



МойОфис Комплект Средств Разработки (SDK)

Руководство программиста

MYOFFICE COLLABORATION SERVER API

ООО «НОВЫЕ ОБЛАЧНЫЕ ТЕХНОЛОГИИ»

**ПРОГРАММНОЕ ОБЕСПЕЧЕНИЕ
«МОЙОФИС КОМПЛЕКТ СРЕДСТВ РАЗРАБОТКИ (SDK)»**

MYOFFICE COLLABORATION SERVER API

РУКОВОДСТВО ПРОГРАММИСТА

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На 185 листах

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1. ВВЕДЕНИЕ

В данном документе представлено описание REST протокола для работы с файловой системой и редакторами МойОфис. Описаны методы, используемые при авторизации (Auth API), работе с файлами (Files API), документами (Document API), а также приведен список нотификаций от сервера и кодов ошибок. Все дальнейшие описания сгенерированы автоматически на основе исходного кода, по этой причине содержимое глав данного документа приведено на английском языке.

2. HTTP verbs

RESTful notes tries to adhere as closely as possible to standard HTTP and REST conventions in its use of HTTP verbs.

Verb	Usage
GET	Used to retrieve a resource.
HEAD	Used to check a resource.
POST	Used to create a new resource.
PATCH	Used to update an existing resource, including partial updates.
DELETE	Used to delete an existing resource.

3. HTTP status codes

RESTful notes tries to adhere as closely as possible to standard HTTP and REST conventions in its use of HTTP status codes.

Status code	Usage
200 OK	The request completed successfully.
202 Accepted	The request has been accepted for processing, but the processing has not been completed.
201 Created	The request has been fulfilled and has resulted in one or more new resources being created.
206 Partial Content	The the server is successfully fulfilling a range request for the target resource by transferring one or more parts of the selected representation that correspond to the satisfiable ranges found in the request's Range header field.
304 Not Modified	The requested resource was not modified.
400 Bad Request	The request was failed. The response body will include an error providing further information.
401 Unauthorized	The request has not been applied because it lacks valid authentication credentials for the target resource.
403 Forbidden	The requested resource cannot be returned because of authorization problems.
404 Not Found	The requested resource did not exist.
500 Internal Server Error	The server encountered an unexpected condition that prevented it from fulfilling the request.

4. Errors

Whenever an error response (status code ≥ 400) is returned, the body will contain a JSON object that describes the problem. The error object has the following structure:

Path	Type	Description
code	String	Error code.
message	String	Error message.

For example, a request that attempts to get file metadata by the non-existent id will produce a **400 Bad Request** response:

```
HTTP/1.1 404 Not Found
X-co-request-id: 44427449563762593056724f56476351
X-WOPI-Correlationid: zoPHsOxzxJryvEeZZonijTDKF4i3XjBU
Content-Type: application/json
Content-Length: 81

{
  "code" : "srv_err_file_not_found",
  "message" : "SrvFileNotFoundException"
}
```

4.1 Error codes

Code	Description
srv_err_unknown	Bad FS response.
srv_err_file_get	File isn't accessible. Error downloading file.
srv_err_upload	Error uploading file.
srv_err_upload_queue_timeout	Error file uploading and file drops out from queue. [Since 2020.01]
srv_err_invalid_param	Invalid parameter in request.
srv_err_fs_access	502/504. Fs API access errors.
srv_err_unauthorized	FS reason (code 1, Not Authorized).
srv_err_file_access_denied	FS reason (code 24, Permissions Denied).
srv_err_file_not_found	FS reason (code 45, Object not found).
srv_err_file_already_exist	FS reason (code 26, Object exists).
srv_err_preview_not_found	Error downloading file preview.
srv_err_thumbnail_not_found	Error on getting thumbnail for a file.

Code	Description
srv_err_thumbnail_generation_not_supported	Thumbnail generation is not supported for such type.
srv_err_prerender_not_found	Prerender is not found because it can be not generated or belongs to another file.
srv_err_prerender_obsolete	Prerender is obsolete. Prerender should be refreshed after file is closed.
srv_err_sharing	Error sharing file.
srv_err_cant_copy_to_itself	Error copying folder to itself.
srv_err_cant_move_to_itself	Error moving folder to itself.
srv_err_excess_of_quota	Error of operation that excess of user quota.
srv_err_multiple_sharing	Error when try to invoke multiple sharing.
srv_err_object_is_not_shared	FS reason (code 66, Object is not shared).
srv_err_file_in_trash	Operation could not be invoked on file in trash.
srv_err_invalid_dir_id	FS reason (code 19, Invalid dirId is passed).
srv_err_invalid_filename	Filename contains incorrect symbols for FS or exceed 255 symbols.
srv_err_incorrect_login	FS reason (code 2, Incorrect login).
srv_err_path_not_found	FS reason (code 58, Path is not found).
srv_err_untrash_path_not_found	File path for operation is not found.
srv_err_cant_share_to_myself	Cannot share to myself.
srv_err_document_is_opened	Document in collaboration cannot be edited.
srv_err_cu_oom	Out of memory in CU.
srv_err_cu_timeout	Conversion is not ended in time on CU.
srv_err_cu_unsuccess	Conversion ends with common CU error (exit code 1).
srv_err_cu_password_protected_file	File to convert is password protected.
srv_err_invalid_zip_request_id	Specified zip request id is expired or invalid.
srv_err_pregen_timeout	Pregen is not generated in time (85 seconds).
srv_err_pregen_not_ready	Pregen is not ready to take requests (queue is full, service restart, not ready).
srv_err_media_not_found	Error on return media. It can be absent in document or server error.
srv_err_media_upload	Error on uploading media to document.
srv_err_tenant_blocked	Tenant is blocked for this user.
srv_err_internal_error	Server internal error occurred.
srv_err_pregen_common	Internal Pregen error (could be misconfigured or restarted).

Code	Description
srv_err_pregen_incompatible_core	Pregen has incompatible core version.
srv_err_jod_exception	JOD conversion error.
srv_err_jod_password_protected_exception	File to convert by JOD is password protected.
srv_err_jod_timeout_exception	JOD conversion is not ended in time.
srv_err_external_host_exception	External host cannot process request due its limitations.
srv_err_invalid_extension	File to convert has invalid extension.
srv_err_user_is_temporary_blocked	User is not found or temporary blocked.
srv_err_ip_is_temporary_blocked	IP is temporarily blocked from access to public link.
srv_err_link_is_temporary_blocked	Link is temporarily blocked for public access.
srv_err_password_has_been_reset_by_admin	Password has been reset by administrator.
srv_err_password_has_been_reset_by_user	Password has been reset by user.
srv_err_pregen_oom	File is corrupted or complicated (so its conversion ended with OOM).
srv_err_fs_exception	400. FS reason.
srv_err_nps_common	Nps conversion is not ended
srv_err_nps_oom	Nps is out of memory.
srv_err_nps_netpbm_timeout	Netpbm conversion is not ended in time
srv_err_fs_password_policy_violation	Password for public link is not match policy

4.2 Error codes for document operations

Code	Description
du_err_timeout	DU doesn't answer on open message.
du_err_container_not_started	Docker container start error.
du_err_cannot_start_du	DU cannot start due internal errors.
du_err_du_was_cleared	DU for document was deleted during lifecycle.
du_err_du_folder_does_not_exist	DU has no working folder.
du_err_queue_error	Message to DU wasn't sent.
du_err_filefailed	DU cannot load/parse document.
du_err_rom_document_cannot_open	Trouble on generating ROM data (re-try in romdocuments.failurescheck.intervalSecs).
du_err_parallel_request	Several documents are trying to open on same DU. Re-try is needed.
du_err_reinit	Removing DU after collaboration.
du_err_file_save_failed	DU cannot save document to FS or local work folder.

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Code	Description
du_err_file_save_io_error	DCM cannot save document because DU has input/output error.
du_err_file_save_low_space	DCM cannot save document because DU has low space.
du_err_file_save_no_file	No file from DU to save by DCM.
srv_err_internal_error	Server internal error occurred.

5. Auth API

5.1 Authenticate user through FS service for mobile

Implementation Notes: This API requires a secure connection, passing password as a plain text. Also, application/json input in body is preferable. If login contains no domain, the configured one is added. If server returns HTTP error 400 with code=526 then valid captcha/captcha_id params are required to proceed.

```
POST /api/v1/auth/login
HTTP/1.1 200 OK
```

5.1.1 Request fields

Path	Type	Description
login	String	FS login string.
password	String	FS password string.
captcha	String	Captcha value from user input. Not required.
captcha_id	String	Captcha id obtained from /api/v1/auth/captcha request. Not required.

5.1.2 Response structure

Path	Type	Description
token	String	User's token for session.

5.1.2 Example request

```
$ curl -XPOST 'https://coapi-stand.devoffice.ru/api/v1/auth/login' -H
'Content-Type: application/json;charset=UTF-8' -d '{
  "login": "login@myoffice.ru",
  "password": "password_for_user"
}'
```

5.1.3 Example response

```
HTTP/1.1 200 OK
Content-Length: 162
Content-Type: application/json
{
  "token" : "03232hw1p0Bx2gY2bFZ",
  "success" : "true"
```

```
}
```

5.2 Authenticate user through FS service for web

Implementation Notes: This API requires a secure connection, passing password as a plain text. Also, application/json input in body is preferable. If login contains no domain, the configured one is added. If server returns HTTP error 400 with code=526 then valid captcha/captcha_id params are required to proceed.

```
POST /login
HTTP/1.1 200 OK
```

5.2.1 Request fields

Path	Type	Description
login	String	FS login string.
password	String	FS password string.
captcha	String	Captcha value from user input. Not required.
captcha_id	String	Captcha id obtained from /api/v1/auth/captcha request. Not required.

5.2.2 Response structure

Path	Type	Description
token	String	User's token for session.

5.2.3 Example request

```
$ curl 'https://auth-stand.devoffice.ru/login' -H 'content-type: application/json' --data '{"login": "login@myoffice.ru", "password": "password_for_user"}
```

5.2.4 Example response

```
HTTP/1.1 200 OK
Content-Length: 162
Content-Type: application/json
{
  "token" : "03232hw1p0Bx2gY2bFZ",
  "success" : "true"
}
```

6. Info API

6.1 Get common info

GET /api/v1/info HTTP/1.1

Response structure

Path	Type	Description
info.exportFormats[].source	String	The source media-types that are allowed for export.
info.exportFormats[].targets[]	Array	Target media-types that are allowed to export .
info.importFormats[].sourceMediaTypes[]	Array	The media-types that are allowed to import into the internal CO formats.
info.importFormats[].sourceExtensions[]	Array	The extensions that are allowed to import into the internal CO formats.
info.importFormats[].target	String	The media-type of internal CO format to import.
info.internalFormats[].mediaType	String	The internal CO formats media-types.
info.internalFormats[].extension	String	The internal CO formats extensions.
info.features	Array	List of additional features enabled on this account.
info.maxUploadSizes	Array	List of max upload sizes for each file type. The most specific type takes precedence.
info.roots[]	Array	The list of root folders (typically Shared, Trash and Personal). See Get file info
info.roles	Array	The list of available roles. (editor viewer)
info.versions.appVersion	String	Current app version.
info.versions.fileApiVersion	String	Current file API version.
info.versions.collaborationApiVersion	String	Current collaboration API version.
info.versions.fileStorageApiVersion	String	Current file storage API versions.
links	Array	Links to available API's.
info.roots[].id	String	The ID of the file.
info.roots[].filename	String	The name of the file.
info.roots[].mediaType	String	The media type of the file.
info.roots[].createdDate	Date	Create time for this file (formatted ISO8601 timestamp)
info.roots[].fileSize	Number	The size of the file in bytes.

Path	Type	Description
info.roots[].lastModifyingUserId	String	The ID of the user who last modified the file.
info.roots[].lastModifyingUserFsId	String	The FS ID of the user who last modified the file.
info.roots[].lastModifyingUserFirstName	String	The first name of the user who last modified the file.
info.roots[].lastModifyingUserMiddleName	String	The middle name of the user who last modified the file.
info.roots[].lastModifyingUserLastName	String	The last name of the user who last modified the file.
info.roots[].modifiedByMeDate	Date	Last time this file was modified by the user (formatted RFC 3339 timestamp).
info.roots[].autoCreationRevisions	Boolean	Should new version of file be created automatically during collaboration.
info.roots[].lastViewedByMeDate	Date	Last time this file was viewed by the user (formatted RFC 3339 timestamp).
info.roots[].sharedWithMeDate	Date	Time at which this file was shared with the user (formatted RFC 3339 timestamp).
info.roots[].modifiedDate	Date	Last time this file was modified by anyone (formatted RFC 3339 timestamp).
info.roots[].parentId	String	The parent folder (parentReferenceId) which contains this file. The root has no parent
info.roots[].creator	String	The original creator (userId) of this file.
info.roots[].creatorFsId	String	The FS ID of the user who create the file.
info.roots[].creatorFirstName	String	The first name of the user who create the file.
info.roots[].creatorMiddleName	String	The middle name of the user who create the file.
info.roots[].creatorLastName	String	The last name of the user who create the file.
info.roots[].properties	Array	The list of file's properties.
info.roots[].checksum	String	An MD5 checksum for the content of this file
info.roots[].headRevisionId	String	The ID of the file's head (last) revision.
info.roots[].isVersion	Boolean	The file is version or not.
info.roots[].prerender	String	The id of prerendered file.
info.roots[].preview	String	The id of preview file.
info.roots[].previewFailureMark	Date	Flag to show unix time of unsuccessful preview generation.
info.roots[].ownerId	String	The owner (userId) of this file.

Path	Type	Description
info.roots[].etag	String	ETag (HTTP Entity Tag) of the file.
info.roots[].ownerFsId	String	The owner (userId) of this file.
info.roots[].publicLinkId	String	Public link id. [Since 2021.03]
info.roots[].tree	String	Absolute path to this file for current user. Set of parent's names and name of the file.
info.roots[].ownerFirstName	String	The owner first name of this file.
info.roots[].ownerLastName	String	The owner last name of this file.
info.roots[].ownerMiddleName	String	The owner middle name of this file.
info.roots[].totalSize	Number	Total size of all file's versions.
info.roots[].currentRevisionObject	Object	Current revision object. See Get file revision
info.roots[].previewClientVersion	String	Version of preview client that generated preview
info.roots[].specialDir	String	Type of special folder, if present
info.roots[].originalFileIdOpt	String	Exist only for version and contained file id
info.roots[].creatorIsDeleted	Boolean	Show that creator is deleted
info.roots[].editorIsDeleted	Boolean	Show that editor is deleted
info.roots[].ownerIsDeleted	Boolean	Show that owner is deleted
info.roots[].ownerAvatar	String	Owner avatar
info.roots[].creatorAvatar	String	Creator avatar
info.roots[].editorAvatar	String	Editor avatar
info.roots[].properties[].id	String	The file's property id.
info.roots[].properties[].key	String	The file's property key.
info.roots[].properties[].value	String	The file's property value.

Example request

```
$ curl 'http://localhost:8080/api/v1/info' -i -X GET \
-H 'X-co-auth-token: f6242af4c9c364a7e0be966edcb3281e'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: gjF25SzCEYhqfsVGEZ1EUM5GvQFtPdBt
X-WOPI-Correlationid: gjF25SzCEYhqfsVGEZ1EUM5GvQFtPdBt
Content-Type:
application/vnd.ncloudtech.cloudoffice.info+json;v=1;charset=UTF-8
```

```
Content-Length: 17939
{
  "info" : {
    "exportFormats" : [ {
      "source" : "application/vnd.collabio.xodocuments.document",
      "targets" : [ "application/vnd.collabio.xodocuments.document",
"application/vnd.openxmlformats-officedocument.wordprocessingml.document",
"application/vnd.oasis.opendocument.text", "application/pdf" ]
    }, {
      "source" : "application/vnd.collabio.xodocuments.spreadsheet",
      "targets" : [ "application/vnd.collabio.xodocuments.spreadsheet",
"application/vnd.openxmlformats-officedocument.spreadsheetml.sheet",
"application/vnd.oasis.opendocument.spreadsheet", "application/pdf" ]
    }, {
      "source" : "application/vnd.collabio.xodocuments.document-template",
      "targets" : [ "application/vnd.collabio.xodocuments.document-template", "application/vnd.openxmlformats-officedocument.wordprocessingml.document",
"application/vnd.oasis.opendocument.text", "application/pdf" ]
    }, {
      "source" : "application/vnd.collabio.xodocuments.spreadsheet-template",
      "targets" : [ "application/vnd.collabio.xodocuments.spreadsheet-template", "application/vnd.openxmlformats-officedocument.spreadsheetml.sheet",
"application/vnd.oasis.opendocument.spreadsheet", "application/pdf" ]
    }, {
      "source" : "application/vnd.oasis.opendocument.text",
      "targets" : [ "application/vnd.oasis.opendocument.text",
"application/vnd.collabio.xodocuments.document", "application/pdf" ]
    }, {
      "source" :
"application/vnd.openxmlformats-officedocument.wordprocessingml.document",
      "targets" : [
"application/vnd.openxmlformats-officedocument.wordprocessingml.document",
"application/vnd.collabio.xodocuments.document", "application/pdf" ]
    }, {
      "source" : "application/rtf",
      "targets" : [ "application/rtf",
"application/vnd.collabio.xodocuments.document", "application/pdf" ]
    }, {
      "source" : "text/plain",
      "targets" : [ "text/plain",
"application/vnd.collabio.xodocuments.document", "application/pdf" ]
    }
  ]
}
```

```
    }, {
      "source" : "application/vnd.oasis.opendocument.text-template",
      "targets" : [ "application/vnd.oasis.opendocument.text-template",
"application/vnd.collabio.xodocuments.document-template",
"application/pdf" ]
    }, {
      "source" :
"application/vnd.openxmlformats-officedocument.wordprocessingml.template",
      "targets" : [
"application/vnd.openxmlformats-officedocument.wordprocessingml.template",
"application/vnd.collabio.xodocuments.document-template",
"application/pdf" ]
    }, {
      "source" : "application/vnd.ms-word.template.macroenabled.12",
      "targets" : [ "application/vnd.ms-word.template.macroenabled.12",
"application/pdf" ]
    }, {
      "source" : "application/vnd.ms-word.document.macroenabled.12",
      "targets" : [ "application/vnd.ms-word.document.macroenabled.12",
"application/pdf" ]
    }, {
      "source" : "application/msword",
      "targets" : [ "application/msword",
"application/vnd.collabio.xodocuments.document",
"application/vnd.collabio.xodocuments.document-template",
"application/pdf" ]
    }, {
      "source" : "application/vnd.ms-excel",
      "targets" : [ "application/vnd.ms-excel",
"application/vnd.collabio.xodocuments.spreadsheet",
"application/vnd.collabio.xodocuments.spreadsheet-template" ]
    }, {
      "source" : "application/vnd.oasis.opendocument.spreadsheet-
template",
      "targets" : [ "application/vnd.oasis.opendocument.spreadsheet-
template", "application/vnd.collabio.xodocuments.spreadsheet-template" ]
    }, {
      "source" :
"application/vnd.openxmlformats-officedocument.spreadsheetml.template",
      "targets" : [
"application/vnd.openxmlformats-officedocument.spreadsheetml.template",
"application/vnd.collabio.xodocuments.spreadsheet-template" ]
    }, {
      "source" : "application/vnd.openxmlformats-
officedocument.spreadsheetml.sheet",
```

```
    "targets" : [
"application/vnd.openxmlformats-officedocument.spreadsheetml.sheet",
"application/vnd.collabio.xodocuments.spreadsheet" ]
    }, {
        "source" : "application/vnd.ms-excel.sheet.macroenabled.12",
        "targets" : [ "application/vnd.ms-excel.sheet.macroenabled.12" ]
    }, {
        "source" : "application/vnd.ms-excel.template.macroenabled.12",
        "targets" : [ "application/vnd.ms-excel.template.macroenabled.12"
]
    }, {
        "source" : "application/vnd.oasis.opendocument.spreadsheet",
        "targets" : [ "application/vnd.oasis.opendocument.spreadsheet",
"application/vnd.collabio.xodocuments.spreadsheet" ]
    }, {
        "source" :
"application/vnd.openxmlformats-officedocument.presentationml.slideshow",
        "targets" : [
"application/vnd.openxmlformats-officedocument.presentationml.slideshow",
"application/pdf" ]
    }, {
        "source" : "application/vnd.collabio.xodocuments.presentation",
        "targets" : [
"application/vnd.collabio.xodocuments.presentation",
"application/vnd.openxmlformats-
officedocument.presentationml.presentation",
"application/vnd.oasis.opendocument.presentation", "application/pdf" ]
    }, {
        "source" : "application/vnd.collabio.xodocuments.presentation-
template",
        "targets" : [ "application/vnd.collabio.xodocuments.presentation-
template", "application/vnd.openxmlformats-
officedocument.presentationml.presentation",
"application/vnd.oasis.opendocument.presentation", "application/pdf" ]
    }, {
        "source" : "application/vnd.oasis.opendocument.presentation",
        "targets" : [ "application/vnd.oasis.opendocument.presentation",
"application/vnd.collabio.xodocuments.presentation", "application/pdf" ]
    }, {
        "source" : "application/vnd.oasis.opendocument.presentation-
template",
        "targets" : [ "application/vnd.oasis.opendocument.presentation-
template", "application/vnd.collabio.xodocuments.presentation-template",
"application/pdf" ]
    }, {
        "source" : "application/vnd.oasis.opendocument.presentation-
template",
        "targets" : [ "application/vnd.oasis.opendocument.presentation-
template", "application/vnd.collabio.xodocuments.presentation-template",
"application/pdf" ]
    }, {
```



```
    "source" :
"application/vnd.openxmlformats-officedocument.presentationml.template",
    "targets" : [
"application/vnd.openxmlformats-officedocument.presentationml.template",
"application/vnd.collabio.xodocuments.presentation-template",
"application/pdf" ]
  }, {
    "source" : "application/vnd.ms-powerpoint",
    "targets" : [
"application/vnd.collabio.xodocuments.presentation",
"application/vnd.collabio.xodocuments.presentation-template",
"application/vnd.ms-powerpoint", "application/pdf" ]
  }, {
    "source" :
"application/vnd.openxmlformats-officedocument.presentationml.presentation",
    "targets" : [
"application/vnd.collabio.xodocuments.presentation",
"application/vnd.openxmlformats-
officedocument.presentationml.presentation", "application/pdf" ]
  }, {
    "source" : "application/vnd.ms-
powerpoint.presentation.macroenabled.12",
    "targets" : [ "application/vnd.ms-
powerpoint.presentation.macroenabled.12", "application/pdf" ]
  }, {
    "source" : "application/vnd.ms-
powerpoint.template.macroenabled.12",
    "targets" : [ "application/vnd.ms-
powerpoint.template.macroenabled.12", "application/pdf" ]
  }, {
    "source" : "application/vnd.ms-
powerpoint.slideshow.macroenabled.12",
    "targets" : [ "application/vnd.ms-
powerpoint.slideshow.macroenabled.12", "application/pdf" ]
  }, {
    "source" : "application/vnd.ms-powerpoint",
    "targets" : [ "application/vnd.ms-powerpoint", "application/pdf" ]
  } ],
  "importFormats" : [ {
    "sourceMediaTypes" : [ "text/plain",
"application/vnd.oasis.opendocument.text", "application/msword",
"application/vnd.openxmlformats-officedocument.wordprocessingml.document",
"application/rtf", "application/vnd.msword.document.macroenabled.12" ],
```

```
    "sourceExtensions" : [ "txt", "odt", "doc", "docx", "rtf", "docm"
  ],
  "target" : "application/vnd.collabio.xodocuments.document"
}, {
  "sourceMediaTypes" : [ "application/vnd.ms-excel",
"application/vnd.openxmlformats-officedocument.spreadsheetml.sheet",
"text/csv", "text/tab-separated-values", "text/tab-separated-values",
"text/tab-separated-values", "text/tab-separated-values",
"application/vnd.oasis.opendocument.spreadsheet", "application/vnd.ms-
excel.sheet.macroenabled.12" ],
  "sourceExtensions" : [ "xls", "xlsx", "csv", "tsv", "tab",
"scsv", "dsv", "ods", "xlsm" ],
  "target" : "application/vnd.collabio.xodocuments.spreadsheet"
}, {
  "sourceMediaTypes" : [ "application/msword",
"application/vnd.oasis.opendocument.text-template",
"application/vnd.openxmlformats-officedocument.wordprocessingml.template"
  ],
  "sourceExtensions" : [ "dot", "ott", "dotx" ],
  "target" : "application/vnd.collabio.xodocuments.document-
template"
}, {
  "sourceMediaTypes" : [ "application/vnd.ms-excel",
"application/vnd.oasis.opendocument.spreadsheet-template",
"application/vnd.openxmlformats-officedocument.spreadsheetml.template" ],
  "sourceExtensions" : [ "xlt", "ots", "xltx" ],
  "target" : "application/vnd.collabio.xodocuments.spreadsheet-
template"
}, {
  "sourceMediaTypes" : [
"application/vnd.oasis.opendocument.presentation", "application/vnd.ms-
powerpoint", "application/vnd.openxmlformats-officedocument.
presentationml.presentation",
"application/vnd.ms-powerpoint.presentation.macroenabled.12",
"application/vnd.ms-powerpoint", "application/vnd.openxmlformats-
officedocument.presentationml.slideshow" ],
  "sourceExtensions" : [ "odp", "ppt", "pps", "pptx", "pptm",
"ppsx" ],
  "target" : "application/vnd.collabio.xodocuments.presentation"
}, {
  "sourceMediaTypes" : [
"application/vnd.oasis.opendocument.presentationtemplate",
"application/vnd.openxmlformats-officedocument.presentationml.template",
"application/vnd.ms-powerpoint" ],
  "sourceExtensions" : [ "otp", "potx", "pot" ],
```

```
        "target" : "application/vnd.collabio.xodocuments.presentation-
template"
    } ],
    "internalFormats" : [ {
        "mediaType" : "application/vnd.collabio.xodocuments.document",
        "extension" : "xodt"
    }, {
        "mediaType" : "application/vnd.collabio.xodocuments.spreadsheet",
        "extension" : "xods"
    }, {
        "mediaType" : "application/vnd.collabio.xodocuments.document-
template",
        "extension" : "xott"
    }, {
        "mediaType" : "application/vnd.collabio.xodocuments.spreadsheet-
template",
        "extension" : "xots"
    }, {
        "mediaType" : "application/vnd.collabio.xodocuments.presentation-
template",
        "extension" : "xotp"
    }, {
        "mediaType" :
"application/vnd.collabio.xodocuments.presentation",
        "extension" : "xodp"
    } ],
    "roles" : [ "editor", "viewer", "denied", "admin" ],
    "roots" : [ {
        "id" : "d7f581a5-95b6-40d6-b224-e311358f1e9c",
        "createdDate" : "2022-07-12T10:37:02.000Z",
        "creator" : "testsrvdocs@srv-one.tacos.devoffice.ru",
        "creatorFsId" : "fb9b09e5d859486bac432e1991201cf0",
        "creatorFirstName" : "testsrvdocs",
        "creatorLastName" : "testsrvdocs",
        "filename" : ".root",
        "lastModifyingUserId" : "testsrvdocs@srv-one.tacos.devoffice.ru",
        "lastModifyingUserFsId" : "fb9b09e5d859486bac432e1991201cf0",
        "lastModifyingUserFirstName" : "testsrvdocs",
        "lastModifyingUserLastName" : "testsrvdocs",
        "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
        "modifiedByMeDate" : "2022-07-12T10:37:02.000Z",
        "modifiedDate" : "2023-02-15T10:10:46.000Z",
        "ownerFsId" : "fb9b09e5d859486bac432e1991201cf0",
        "ownerId" : "testsrvdocs@srv-one.tacos.devoffice.ru",
        "properties" : [ {
            "key" : "special",
```

```
    "value" : "root"
  }, {
    "key" : "name",
    "value" : "folder.root"
  } ],
  "tree" : "/",
  "ownerFirstName" : "testsrvdocs",
  "ownerLastName" : "testsrvdocs",
  "specialDir" : ".root",
  "isVersion" : false,
  "originalFileIdOpt" : null,
  "creatorIsDeleted" : false,
  "editorIsDeleted" : false,
  "ownerIsDeleted" : false,
  "ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
  "creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
  "editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
}, {
  "id" : "1751b90d-07cd-419c-8f2a-cca50b5b8ad7",
  "createdDate" : "2022-07-12T10:37:02.000Z",
  "creator" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "creatorFsId" : "fb9b09e5d859486bac432e1991201cf0",
  "creatorFirstName" : "testsrvdocs",
  "creatorLastName" : "testsrvdocs",
  "filename" : "Shared",
  "lastModifyingUserId" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "lastModifyingUserFsId" : "fb9b09e5d859486bac432e1991201cf0",
  "lastModifyingUserFirstName" : "testsrvdocs",
  "lastModifyingUserLastName" : "testsrvdocs",
  "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
  "modifiedByMeDate" : "2022-07-12T10:37:02.000Z",
  "modifiedDate" : "2022-07-12T10:37:02.000Z",
  "ownerFsId" : "fb9b09e5d859486bac432e1991201cf0",
  "ownerId" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "parentId" : "d7f581a5-95b6-40d6-b224-e311358f1e9c",
  "properties" : [ {
    "key" : "special",
    "value" : "shared"
  } ], {
    "key" : "name",
    "value" : "folder.shared"
  } ],
  "tree" : "/Shared/",
  "ownerFirstName" : "testsrvdocs",
  "ownerLastName" : "testsrvdocs",
  "specialDir" : "Shared",
```

```
"isVersion" : false,
"originalFileIdOpt" : null,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false,
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
}, {
  "id" : "a83642e2-06b5-4465-a0cb-6ea007c5211e",
  "createdDate" : "2022-07-12T10:37:02.000Z",
  "creator" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "creatorFsId" : "fb9b09e5d859486bac432e1991201cf0",
  "creatorFirstName" : "testsrvdocs",
  "creatorLastName" : "testsrvdocs",
  "filename" : "Trash",
  "lastModifyingUserId" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "lastModifyingUserFsId" : "fb9b09e5d859486bac432e1991201cf0",
  "lastModifyingUserFirstName" : "testsrvdocs",
  "lastModifyingUserLastName" : "testsrvdocs",
  "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
  "modifiedByMeDate" : "2022-07-12T10:37:02.000Z",
  "modifiedDate" : "2022-07-12T10:37:02.000Z",
  "ownerFsId" : "fb9b09e5d859486bac432e1991201cf0",
  "ownerId" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "parentId" : "d7f581a5-95b6-40d6-b224-e311358f1e9c",
  "properties" : [ {
    "id" : "inTrash",
    "key" : "inTrash",
    "value" : "true"
  }, {
    "key" : "special",
    "value" : "trash"
  }, {
    "key" : "name",
    "value" : "folder.trash"
  } ],
  "tree" : "/Trash/",
  "ownerFirstName" : "Integration",
  "ownerLastName" : "Docs",
  "specialDir" : "Trash",
  "isVersion" : false,
  "originalFileIdOpt" : null,
  "creatorIsDeleted" : false,
  "editorIsDeleted" : false,
  "ownerIsDeleted" : false,
```

```
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
}, {
  "id" : "_flagged",
  "filename" : "_flagged",
  "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
  "properties" : [ {
    "key" : "special",
    "value" : "flagged"
  }, {
    "key" : "name",
    "value" : "folder.flagged"
  } ],
  "originalFileIdOpt" : null
}, {
  "id" : "_recent",
  "filename" : "_recent",
  "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
  "properties" : [ {
    "key" : "special",
    "value" : "recent"
  }, {
    "key" : "name",
    "value" : "folder.recent"
  } ],
  "originalFileIdOpt" : null
}, {
  "id" : "e3158793-d2b3-4b74-b2fd-d356d80221e1",
  "createdDate" : "2022-07-12T10:37:02.000Z",
  "creator" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "creatorFsId" : "fb9b09e5d859486bac432e1991201cf0",
  "creatorFirstName" : "testsrvdocs",
  "creatorLastName" : "testsrvdocs",
  "filename" : "Corporate",
  "lastModifyingUserId" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "lastModifyingUserFsId" : "fb9b09e5d859486bac432e1991201cf0",
  "lastModifyingUserFirstName" : "testsrvdocs",
  "lastModifyingUserLastName" : "testsrvdocs",
  "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
  "modifiedByMeDate" : "2022-07-12T10:37:02.000Z",
  "modifiedDate" : "2022-07-12T10:37:02.000Z",
  "ownerFsId" : "fb9b09e5d859486bac432e1991201cf0",
  "ownerId" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "parentId" : "d7f581a5-95b6-40d6-b224-e311358f1e9c",
  "properties" : [ {
```

```
    "key" : "special",
    "value" : "corporate"
  }, {
    "key" : "name",
    "value" : "folder.corporate"
  } ],
  "tree" : "/Corporate/",
  "ownerFirstName" : "testsrvdocs",
  "ownerLastName" : "testsrvdocs",
  "specialDir" : "Corporate",
  "isVersion" : false,
  "originalFileIdOpt" : null,
  "creatorIsDeleted" : false,
  "editorIsDeleted" : false,
  "ownerIsDeleted" : false,
  "ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
  "creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
  "editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
} ],
"versions" : {
  "appVersion" : "29.0.5.3",
  "fileApiVersion" : "v1",
  "collaborationApiVersion" : "v1",
  "fileStorageApiVersion" : "{Aristoteles=12.4.5-5483}"
}
},
"links" : [ ]
}
```

7. Files API

7.1 Create folder

A request to create new folder.

```
POST /api/v1/files/makeDir HTTP/1.1
```

Generates [Notification add file/folder](#).

Request structure

Path	Type	Description
parentId	String	The parent folder Id.
filename	String	The name of the folder
conflictStrategy	String	Conflict resolution strategy (keep_both overwrite versioned)

Response structure

See [Get file info](#).

Example request

```
$ curl 'http://localhost:8080/api/v1/files/makeDir' -i -X POST \  
  -H 'Content-Type: application/json' \  
  -H 'X-co-auth-token: 6f916423161c282b7aadee642b4b1381' \  
  -d '{  
    "filename" : "New Folder",  
    "conflictStrategy" : "keep_both",  
    "parentId" : "424b3516-9f62-43e4-8970-aec77367e0b8"  
  }'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 31694962504774506d35597933715373  
X-WOPI-Correlationid: tpTuMx3oSeACdeKsgxNcCGzfkntfAft0  
Content-Type: application/json  
Content-Length: 1727  
  
{  
  "file" : {  
    "id" : "189331451",
```



```
"createdDate" : "2022-04-06T15:55:13.000Z",
"creator" : "testsrvdocs@tacos.devoffice.ru",
"creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
"creatorFirstName" : "r",
"creatorLastName" : "t",
"creatorMiddleName" : "f",
"filename" : "New Folder",
"lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
"lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
"lastModifyingUserFirstName" : "r",
"lastModifyingUserLastName" : "t",
"lastModifyingUserMiddleName" : "f",
"mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
"modifiedByMeDate" : "2022-04-06T15:55:13.000Z",
"modifiedDate" : "2022-04-06T15:55:13.000Z",
"ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
"ownerId" : "testsrvdocs@tacos.devoffice.ru",
"parentId" : "189331396",
"properties" : [ ],
"tree" : "/docs-test-makeDirExample()-w3JIp4WlFM/New Folder/",
"ownerFirstName" : "r",
"ownerLastName" : "t"
"ownerMiddleName" : "f"
"isVersion" : false,
"originalFileIdOpt" : null,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false,
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189331451"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189331451"
} ]
}
```

7.2 Upload chunked file

A request to upload new file with chunked processing.



[Since 2019.02]

```
POST /api/v1/files/uploadChunked HTTP/1.1
```

Generates [Notification add file/folder](#) OR [Notification file import](#).

Request parameters

Parameter	Description
metadata	Metadata for uploaded file, e.g. parentId to specify target folder, filename and mediaType are required.
convert	Boolean flag to force conversion of file to internal format.
conflictStrategy	Conflict resolution strategy (keep_both overwrite versioned)
synchronous	Force upload operation with convert=true to be synchronous.
timezoneOffsetMins	Timezone to be used during the conversion process [Since 2017.03]

Response structure

See [Get file info](#).

Example request



File in curl request should be passed as '-T somefilename.txt'

```
$ curl
'http://localhost:8080/api/v1/files/uploadChunked?convert=false&conflictS
trategy=keep_both&synchronous=true&metadata=%7B%22filename%22%3A%22testfi
le.txt%22%2C%22mediaType%22%3A%22text%2Fplain%22%2C%22parentId%22%3A%2218
9352270%22%7D' -i -X POST \
-H 'X-co-auth-token: 6a8e014016a23a898839c2d139b66f6a' \
-d 'some example content'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 734546306b4e3147304f6e755a6f4432
X-WOPI-Correlationid: qCVdvhxQrAfZ7ZON4iS2GecA8Wl39Fya
```

```
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 1532

{
  "file" : {
    "id" : "189352335",
    "createdDate" : "2022-04-06T15:56:57.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "creatorMiddleName" : "f",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189352336",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "lastModifyingUserMiddleName" : "f",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T15:56:57.000Z",
    "modifiedDate" : "2022-04-06T15:56:57.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189352270",
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-uploadChunkedFileExample()-
84hONI9iKV/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t",
    "ownerMiddleName" : "f",
    "isVersion" : false,
    "originalFileIdOpt" : null,
    "creatorIsDeleted" : false,
    "editorIsDeleted" : false,
    "ownerIsDeleted" : false,
    "ownerAvatar" : "",
    "creatorAvatar" : "",
    "editorAvatar" : ""
  },
  "links" : [ {
    "rel" : "self",
```

```

    "href" : "http://localhost:8080/api/v1/files/189352335"
  }, {
    "rel" : "download",
    "href" : "http://localhost:8080/api/v1/files/189352335/content"
  }, {
    "rel" : "import",
    "href" : "http://localhost:8080/api/v1/files/189352335/import"
  }, {
    "rel" : "preview",
    "href" : "http://localhost:8080/api/v1/files/189352335/preview"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189352335"
  } ]
}

```

7.3 Get file list

A request to list files.

```
GET /api/v1/files?q={query} HTTP/1.1
```

Request parameters

Parameter	Description
q	Urlencoded query json object. See Query object structure
withHasSubFolder	If flag is true, send hasChildFolders property in response. By default is true. hasChildFolders is true when file has sub folder(s), otherwise false

Query object structure

Field	Description
parentId	contains parent folder id.
mediaTypeForLogging	contains media type filter.
sortField	describes field name from JSON File structure. Available values: filename, creator, ownerId, fileSize, modifiedDate, createDate, modifiedByMeDate, sharedWithMeDate, lastViewedByMeDate
sortOrder	describes order of sorting ('asc' - ascending, 'desc' - descending)
searchQuery	contains search query string
searchByContent	if true - search by content, if false - search by filename
searchInShared	if true search in shared folder
searchInCorporate	if true search in corporate folder

Field	Description
offset	contains index of the first element
limit	contains number of elements

Response structure

Path	Type	Description
[]	Array	Array of File objects. See Get file info
[].file.id	String	The ID of the file.
[].file.filename	String	The name of the file.
[].file.mediaType	String	The media type of the file.
[].file.createdDate	Date	Create time for this file (formatted ISO8601 timestamp)
[].file.fileSize	Number	The size of the file in bytes.
[].file.lastModifyingUserId	String	The ID of the user who last modified the file.
[].file.lastModifyingUserFsId	String	The FS ID of the user who last modified the file.
[].file.lastModifyingUserFirstName	String	The first name of the user who last modified the file.
[].file.lastModifyingUserMiddleName	String	The middle name of the user who last modified the file.
[].file.lastModifyingUserLastName	String	The last name of the user who last modified the file.
[].file.modifiedByMeDate	Date	Last time this file was modified by the user (formatted RFC 3339 timestamp).
[].file.autoCreationRevisions	Boolean	Should new version of file be created automatically during collaboration.
[].file.lastViewedByMeDate	Date	Last time this file was viewed by the user (formatted RFC 3339 timestamp).
[].file.sharedWithMeDate	Date	Time at which this file was shared with the user (formatted RFC 3339 timestamp).
[].file.modifiedDate	Date	Last time this file was modified by anyone (formatted RFC 3339 timestamp).
[].file.parentId	String	The parent folder (parentReferenceId) which contains this file. The root has no parent
[].file.creator	String	The original creator (userId) of this file.
[].file.creatorFsId	String	The FS ID of the user who create the file.
[].file.creatorFirstName	String	The first name of the user who create the file.
[].file.creatorMiddleName	String	The middle name of the user who create the file.

Path	Type	Description
[].file.creatorLastName	String	The last name of the user who create the file.
[].file.properties	Array	The list of file's properties.
[].file.checksum	String	An MD5 checksum for the content of this file
[].file.headRevisionId	String	The ID of the file's head (last) revision.
[].file.isVersion	Boolean	The file is versiobn or not.
[].file.prerender	String	The id of prerendered file.
[].file.preview	String	The id of preview file.
[].file.previewFailureMark	Date	Flag to show unix time of unsuccessful preview generation.
[].file.ownerId	String	The owner (userId) of this file.
[].file.etag	String	ETag (HTTP Entity Tag) of the file.
[].file.ownerFsId	String	The owner (userId) of this file.
[].file.publicLinkId	String	Public link id. [Since 2021.03]
[].file.tree	String	Absolute path to this file for current user. Set of parent's names and name of the file.
[].file.ownerFirstName	String	The owner first name of this file.
[].file.ownerLastName	String	The owner last name of this file.
[].file.ownerMiddleName	String	The owner middle name of this file.
[].file.totalSize	Number	Total size of all file's versions.
[].file.currentRevisionObject	Object	Current revision object. See Get file revision
[].file.previewClientVersion	String	Version of preview client that generated preview
[].file.specialDir	String	Type of special folder, if present
[].file.originalFileIdOpt	String	Exist only for version and contained file id
[].file.creatorIsDeleted	Boolean	Show that creator is deleted
[].file.editorIsDeleted	Boolean	Show that editor is deleted
[].file.ownerIsDeleted	Boolean	Show that owner is deleted
[].file.ownerAvatar	String	Owner avatar
[].file.creatorAvatar	String	Creator avatar
[].file.editorAvatar	String	Editor avatar
[].file.properties[].id	String	The file's property id
[].file.properties[].key	String	The file's property key
[].file.properties[].value	String	The file's property value
[].links[].rel	String	Link type

Path	Type	Description
[].links[].href	String	Link reference

Example request

```
$ curl
'http://localhost:8080/api/v1/files?q=%7B%22parentId%22%3A%22189373322%22%2C%22sortField%22%3A%22filename%22%2C%22sortOrder%22%3A%22asc%22%2C%22searchByContent%22%3Afalse%2C%22searchInShared%22%3Afalse%2C%22searchInCorporate%22%3Afalse%2C%22offset%22%3A-1%2C%22limit%22%3A-1%7D' -i -X GET \
-H 'X-co-auth-token: 1ac611c3016eb837f11ff29bdab2daa0'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 4374556f31633332567973547654427a
X-WOPI-Correlationid: Xk4RT0xyj6dpVc2CeSB4Gy6DrsgOys7x
Content-Type:
application/vnd.ncloudtech.cloudoffice.filelist+json;v=1;charset=UTF-8
Content-Length: 3922

[ {
  "file" : {
    "id" : "189373377",
    "createdDate" : "2022-04-06T15:58:53.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "creatorMiddleName" : "f",
    "fileSize" : "null",
    "filename" : "New Folder",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "lastModifyingUserMiddleName" : "f",
    "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
    "modifiedByMeDate" : "2022-04-06T15:58:53.000Z",
    "modifiedDate" : "2022-04-06T15:58:53.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189373322",
    "properties" : [ ],
    "tree" : "/docs-test-getFileListExample()-QgrfcT3y0S/New Folder/",
```

```
"ownerFirstName" : "r",
"ownerLastName" : "t",
"ownerMiddleName" : "t",
"isVersion" : false,
"originalFileIdOpt" : null,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false,
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189373377"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189373377"
} ]
}, {
  "file" : {
    "id" : "189373442",
    "createdDate" : "2022-04-06T15:58:53.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "creatorMiddleName" : "f",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189373443",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "lastModifyingUserMiddleName" : "f",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T15:58:53.000Z",
    "modifiedDate" : "2022-04-06T15:58:53.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189373322",
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-getFileListExample()-QgrfcT3y0S/testfile.txt",
```



```
"ownerFirstName" : "r",
"ownerLastName" : "t",
"ownerMiddleName" : "f",
"isVersion" : false,
"originalFileIdOpt" : null,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false,
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189373442"
}, {
  "rel" : "download",
  "href" : "http://localhost:8080/api/v1/files/189373442/content"
}, {
  "rel" : "import",
  "href" : "http://localhost:8080/api/v1/files/189373442/import"
}, {
  "rel" : "preview",
  "href" : "http://localhost:8080/api/v1/files/189373442/preview"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189373442"
} ]
} ]
```

7.4 Get file children

A request to list files.

```
GET /api/v1/files/{fileId}/children?q={query} HTTP/1.1
```

An alias to [Get file list](#).

Path parameters

Parameter	Description
fileId	The ID of the parent folder.

Request parameters

Parameter	Description
q	Urlencoded query json object. See Query object structure .
withHasSubFolder	If flag is true, send hasChildFolders property in response for every child. By default is false. hasChildFolders is true when file has sub folder(s), otherwise false

Response structure

Path	Type	Description
[]	Array	Array of File objects. See Get file info
[].file.id	String	The ID of the file.
[].file.filename	String	The name of the file.
[].file.mediaType	String	The media type of the file.
[].file.createdDate	Date	Create time for this file (formatted ISO8601 timestamp)
[].file.fileSize	Number	The size of the file in bytes.
[].file.lastModifyingUserId	String	The ID of the user who last modified the file.
[].file.lastModifyingUserFsId	String	The FS ID of the user who last modified the file.
[].file.lastModifyingUserFirstName	String	The first name of the user who last modified the file.
[].file.lastModifyingUserMiddleName	String	The middle name of the user who last modified the file.
[].file.lastModifyingUserLastName	String	The last name of the user who last modified the file.
[].file.modifiedByMeDate	Date	Last time this file was modified by the user (formatted RFC 3339 timestamp).
[].file.autoCreationRevisions	Boolean	Should new version of file be created automatically during collaboration.
[].file.lastViewedByMeDate	Date	Last time this file was viewed by the user (formatted RFC 3339 timestamp).
[].file.sharedWithMeDate	Date	Time at which this file was shared with the user (formatted RFC 3339 timestamp).
[].file.modifiedDate	Date	Last time this file was modified by anyone (formatted RFC 3339 timestamp).
[].file.parentId	String	The parent folder (parentReferenceId) which contains this file. The root has no parent
[].file.creator	String	The original creator (userId) of this file.
[].file.creatorFsId	String	The FS ID of the user who create the file.

Path	Type	Description
[].file.creatorFirstName	String	The first name of the user who create the file.
[].file.creatorMiddleName	String	The middle name of the user who create the file.
[].file.creatorLastName	String	The last name of the user who create the file.
[].file.properties	Array	The list of file's properties.
[].file.checksum	String	An MD5 checksum for the content of this file
[].file.headRevisionId	String	The ID of the file's head (last) revision.
[].file.isVersion	Boolean	The file is version or not.
[].file.prerender	String	The id of prerendered file.
[].file.preview	String	The id of preview file.
[].file.previewFailureMark	Date	Flag to show unix time of unsuccessful preview generation.
[].file.ownerId	String	The owner (userId) of this file.
[].file.etag	String	ETag (HTTP Entity Tag) of the file.
[].file.ownerFsId	String	The owner (userId) of this file.
[].file.publicLinkId	String	Public link id. [Since 2021.03]
[].file.tree	String	Absolute path to this file for current user. Set of parent's names and name of the file.
[].file.ownerFirstName	String	The owner first name of this file.
[].file.ownerLastName	String	The owner last name of this file.
[].file.ownerMiddleName	String	The owner middle name of this file.
[].file.totalSize	Number	Total size of all file's versions.
[].file.currentRevisionObject	Object	Current revision object. See Get file revision
[].file.previewClientVersion	String	Version of preview client that generated preview
[].file.specialDir	String	Type of special folder, if present
[].file.originalFileIdOpt	String	Exist only for version and contained file id
[].file.creatorIsDeleted	Boolean	Show that creator is deleted
[].file.editorIsDeleted	Boolean	Show that editor is deleted
[].file.ownerIsDeleted	Boolean	Show that owner is deleted
[].file.ownerAvatar	String	Owner avatar
[].file.creatorAvatar	String	Creator avatar
[].file.editorAvatar	String	Editor avatar
[].file.properties[].id	String	The file's property id

Path	Type	Description
[].file.properties[].key	String	The file's property key
[].file.properties[].value	String	The file's property value
[].links[].rel	String	Link type
[].links[].href	String	Link reference

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189410907/children?q=%7B%22sortField%22%3A%22filename%22%2C%22sortOrder%22%3A%22asc%22%2C%22searchByContent%22%3Afalse%2C%22searchInShared%22%3Afalse%2C%22searchInCorporate%22%3Afalse%2C%22offset%22%3A-1%2C%22limit%22%3A-1%7D' -i -X GET \
-H 'X-co-auth-token: 507db0e43b6da22ef08da988f9021362'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 766e36475241315877745747704f4348
X-WOPI-Correlationid: IIzC5cMVYOFoCFigPVwffpfxqUXiCfUu
Content-Type:
application/vnd.ncloudtech.cloudoffice.childlist+json;v=1;charset=UTF-8
Content-Length: 3930

[ {
  "file" : {
    "id" : "189410962",
    "createdDate" : "2022-04-06T16:02:07.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "creatorMiddleName" : "f",
    "filename" : "New Folder",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "lastModifyingUserMiddleName" : "f",
    "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
    "modifiedByMeDate" : "2022-04-06T16:02:07.000Z",
    "modifiedDate" : "2022-04-06T16:02:07.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
```

```
"parentId" : "189410907",
"properties" : [ ],
"totalSize" : "null",
"tree" : "/docs-test-getFileChildrenExample()-coTdvzxiYf/New
Folder/",
"ownerFirstName" : "r",
"ownerLastName" : "t",
"ownerMiddleName" : "f",
"isVersion" : false,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false,
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
},
"links" : [ {
"rel" : "self",
"href" : "http://localhost:8080/api/v1/files/189410962"
}, {
"rel" : "link",
"href" : "http://localhost:8080/link/189410962"
} ]
}, {
"file" : {
"id" : "189411027",
"createdDate" : "2022-04-06T16:02:08.000Z",
"creator" : "testsrvdocs@tacos.devoffice.ru",
"creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
"creatorFirstName" : "r",
"creatorLastName" : "t",
"creatorMiddleName" : "f",
"fileSize" : "20",
"filename" : "testfile.txt",
"headRevisionId" : "189411028",
"lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
"lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
"lastModifyingUserFirstName" : "r",
"lastModifyingUserLastName" : "t",
"lastModifyingUserMiddleName" : "f",
"mediaType" : "text/plain",
"modifiedByMeDate" : "2022-04-06T16:02:08.000Z",
"modifiedDate" : "2022-04-06T16:02:08.000Z",
"ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
"ownerId" : "testsrvdocs@tacos.devoffice.ru",
"parentId" : "189410907",
```

```
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-getFileChildrenExample()-
coTdvzxiYf/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t",
    "ownerMiddleName" : "f",
    "isVersion" : false,
    "creatorIsDeleted" : false,
    "editorIsDeleted" : false,
    "ownerIsDeleted" : false,
    "ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
    "creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
    "editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189411027"
  }, {
    "rel" : "download",
    "href" : "http://localhost:8080/api/v1/files/189411027/content"
  }, {
    "rel" : "import",
    "href" : "http://localhost:8080/api/v1/files/189411027/import"
  }, {
    "rel" : "preview",
    "href" : "http://localhost:8080/api/v1/files/189411027/preview"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189411027"
  } ]
} ]
```

7.5 Get file parents

A request to get file's parents

```
GET /api/v1/files/{fileId}/parents HTTP/1.1
```

Returns parents list, ordered from the nearest parent to the top one.

Request parameters

Parameter	Description
fileId	The ID of the file.

Response structure

Path	Type	Description
[].parent.id	String	Parent folder id.
[].parent.filename	String	Parent folder filename.
[].links	Array	Link to the corresponding file object. See Get file info
[].links[].rel	String	Link type
[].links[].href	String	Link reference

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189367628/parents' -i -X GET \
  -H 'X-co-auth-token: ce7a7e4be4bc7b4e6a2e43b53520a612'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 633876537636384d7649687054666648
X-WOPI-Correlationid: jXxLB79xHNUyBBVyT2g6uXuJqHt0uLlh
Content-Type:
application/vnd.ncloudtech.cloudoffice.parentlist+json;v=1;charset=UTF-8
Content-Length: 1219
[ {
  "parent" : {
    "id" : "189367563",
    "filename" : "New Folder"
  },
  "links" : [ {
    "rel" : "file",
    "href" : "http://localhost:8080/api/v1/files/189367563"
  } ]
}, {
  "parent" : {
    "id" : "189367508",
    "filename" : "New Folder"
  },
}
```

```
"links" : [ {
  "rel" : "file",
  "href" : "http://localhost:8080/api/v1/files/189367508"
} ]
}, {
  "parent" : {
    "id" : "189367453",
    "filename" : "docs-test-getFileParentsExample()-2dtPH27npJ"
  },
  "links" : [ {
    "rel" : "file",
    "href" : "http://localhost:8080/api/v1/files/189367453"
  } ]
}, {
  "parent" : {
    "id" : "88458287",
    "filename" : ".root"
  },
  "links" : [ {
    "rel" : "file",
    "href" : "http://localhost:8080/api/v1/files/88458287"
  } ]
} ]
```

7.6 Get file info

A request to get all file's metadata and properties.

```
GET /api/v1/files/{fileId} HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Request parameters

Parameter	Description
withHasSubFolder	If flag is true, send hasChildFolders property in response. By default is true. hasChildFolders is true when file has sub folder(s), otherwise false

Response structure

Path	Type	Description
file	Object	File object metadata
links	Array	Array of links to file object. See File Links
file.id	String	The ID of the file.
file.filename	String	The name of the file.
file.mediaType	String	The media type of the file.
file.createdDate	Date	Create time for this file (formatted ISO8601 timestamp)
file.fileSize	Number	The size of the file in bytes.
file.lastModifyingUserId	String	The ID of the user who last modified the file.
file.lastModifyingUserFsId	String	The FS ID of the user who last modified the file.
file.lastModifyingUserFirstName	String	The first name of the user who last modified the file.
file.lastModifyingUserMiddleName	String	The middle name of the user who last modified the file.
file.lastModifyingUserLastName	String	The last name of the user who last modified the file.
file.modifiedByMeDate	Date	Last time this file was modified by the user (formatted RFC 3339 timestamp).
file.autoCreationRevisions	Boolean	Should new version of file be created automatically during collaboration.
file.lastViewedByMeDate	Date	Last time this file was viewed by the user (formatted RFC 3339 timestamp).
file.sharedWithMeDate	Date	Time at which this file was shared with the user (formatted RFC 3339 timestamp).
file.modifiedDate	Date	Last time this file was modified by anyone (formatted RFC 3339 timestamp).
file.parentId	String	The parent folder (parentReferenceId) which contains this file. The root has no parent
file.creator	String	The original creator (userId) of this file.
file.creatorFsId	String	The FS ID of the user who create the file.
file.creatorFirstName	String	The first name of the user who create the file.
file.creatorMiddleName	String	The middle name of the user who create

Path	Type	Description
		the file.
file.creatorLastName	String	The last name of the user who create the file.
file.properties	Array	The list of file's properties.
file.checksum	String	An MD5 checksum for the content of this file
file.headRevisionId	String	The ID of the file's head (last) revision.
file.isVersion	Boolean	The file is version or not.
file.prerender	String	The id of prerendered file.
file.preview	String	The id of preview file.
file.previewFailureMark	Date	Flag to show unix time of unsuccessful preview generation.
file.ownerId	String	The owner (userId) of this file.
file.etag	String	ETag (HTTP Entity Tag) of the file.
file.ownerFsId	String	The owner (userId) of this file.
file.publicLinkId	String	Public link id. [Since 2021.03]
file.tree	String	Absolute path to this file for current user. Set of parent's names and name of the file.
file.ownerFirstName	String	The owner first name of this file.
file.ownerLastName	String	The owner last name of this file.
file.ownerMiddleName	String	The owner middle name of this file.
file.totalSize	Number	Total size of all file's versions.
file.currentRevisionObject	Object	Current revision object. See Get file revision
file.previewClientVersion	String	Version of preview client that generated preview
file.specialDir	String	Type of special folder, if present
file.originalFileIdOpt	String	Exist only for version and contained file id
file.creatorIsDeleted	Boolean	Show that creator is deleted
file.editorIsDeleted	Boolean	Show that editor is deleted
file.ownerIsDeleted	Boolean	Show that owner is deleted
file.ownerAvatar	String	Owner avatar
file.creatorAvatar	String	Creator avatar

Path	Type	Description
file.editorAvatar	String	Editor avatar
file.properties[].id	String	The file's property id
file.properties[].key	String	The file's property key
file.properties[].value	String	The file's property value
file.currentRevisionObject.checksum	String	An MD5 checksum for the content of the revision
file.currentRevisionObject.createdDate	String	Creation date of the revision
file.currentRevisionObject.fileSize	String	Size of the revision in bytes
file.currentRevisionObject.id	String	Id of the revision
file.currentRevisionObject.isLastRevision	Boolean	Current revision flag
file.currentRevisionObject.mediaType	String	Media type of the revision
file.currentRevisionObject.modifiedDate	String	Modification date of the revision
file.currentRevisionObject.title	String	Title for the revision
file.currentRevisionObject.ownerId	String	The file owner id
file.currentRevisionObject.ownerLogin	String	Login of file's owner
file.currentRevisionObject.ownerEmail	String	Email of file's owner
file.currentRevisionObject.ownerFirstName	String	First name of file's owner
file.currentRevisionObject.ownerLastName	String	Last name of file's owner
file.currentRevisionObject.ownerMiddleName	String	Middle name of file's owner
file.currentRevisionObject.creatorId	String	Revision creator id
file.currentRevisionObject.creatorLogin	String	Login of revision's creator
file.currentRevisionObject.creatorEmail	String	Email of revision's creator
file.currentRevisionObject.creatorFirstName	String	First name of revision's creator
file.currentRevisionObject.creatorMiddleName	String	Middle name of revision's creator
file.currentRevisionObject.creatorLastName	String	Last name of revision's creator
file.currentRevisionObject.pinned	Boolean	Mark to not auto delete revision
file.currentRevisionObject.creatorIsDeleted	Boolean	Mark creator is deleted
file.currentRevisionObject.ownerIsDeleted	Boolean	Mark owner is deleted
file.currentRevisionObject.ownerAvatar	String	Owner avatar
file.currentRevisionObject.creatorAvatar	String	Creator avatar
links[].rel	String	Link type
links[].href	String	Link reference

File Links

Relation	Description
self	A self-reference link to this file.
edit	A link to open this file for viewing or editing.
export	Export URL(s) for the file.
import	Import URL(s) for the file. See Import file
download	Download URL for the file. See Get file content . Valid for non-converted files only.
preview	A link to the file's thumbnail. See Get file preview
prerender	A link to prerendered file content.
view	A link to file's content for audio/video/image/pdf files.
thumbnail	A link to image's thumbnail.
link	A link by which file may be referenced.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189358688' -i -X GET \  
-H 'X-co-auth-token: 9c2130c1fdc03892f9791959b005f263'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 796778526c76774f7475573562474d62  
X-WOPI-Correlationid: So2AhS9XgyHPCsSBelypNY3LK1BTc0Lc  
Content-Type:  
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8  
Content-Length: 3311  
  
{  
  "file" : {  
    "id" : "189358688",  
    "createdDate" : "2022-04-06T15:57:38.000Z",  
    "creator" : "testsrvdocs@tacos.devoffice.ru",  
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",  
    "creatorFirstName" : "r",  
    "creatorLastName" : "t",  
    "creatorMiddleName" : "f",  
    "currentRevisionObject" : {  
      "id" : "189358689",  
      "fileSize" : "20",  
      "creatorId" : "5177189d266a4862ad93b1cda2f5ac2b",  
      "creatorFirstName" : "r",
```

```
"creatorLastName" : "t",
"creatorMiddleName" : "f",
"creatorLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
"creatorEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
"isLastRevision" : true,
"mediaType" : "text/plain",
"ownerId" : "5177189d266a4862ad93b1cda2f5ac2b",
"ownerFirstName" : "r",
"ownerLastName" : "t",
"ownerMiddleName" : "f",
"ownerLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
"ownerEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
"title" : "",
"createdDate" : "2022-04-06T15:57:38.000Z",
"modifiedDate" : "2022-04-06T15:57:38.000Z",
"checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
"pinned" : true,
"creatorIsDeleted" : false,
"ownerIsDeleted" : false,
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
},
"fileSize" : "20",
"filename" : "testfile.txt",
"headRevisionId" : "189358689",
"lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
"lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
"lastModifyingUserFirstName" : "r",
"lastModifyingUserLastName" : "t",
"lastModifyingUserMiddleName" : "f",
"mediaType" : "text/plain",
"modifiedByMeDate" : "2022-04-06T15:57:38.000Z",
"modifiedDate" : "2022-04-06T15:57:38.000Z",
"ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
"ownerId" : "testsrvdocs@tacos.devoffice.ru",
"parentId" : "189358623",
"properties" : [ ],
"totalSize" : "20",
"checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
"tree" : "/docs-test-getFileExample()-jKnIv1lkAM/testfile.txt",
"ownerFirstName" : "r",
"ownerLastName" : "t",
"ownerMiddleName" : "f",
"isVersion" : false,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false,
```

```
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189358688"
}, {
  "rel" : "download",
  "href" : "http://localhost:8080/api/v1/files/189358688/content"
}, {
  "rel" : "import",
  "href" : "http://localhost:8080/api/v1/files/189358688/import"
}, {
  "rel" : "preview",
  "href" : "http://localhost:8080/api/v1/files/189358688/preview"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189358688"
} ]
}
```

Relation	Description
self	A self-reference link to this file.
edit	A link to open this file for viewing or editing.
export	Export URL(s) for the file.
import	Import URL(s) for the file. See Import file
download	Download URL for the file. See Get file content . Valid for non-convered files only.
preview	A link to the file's thumbnail. See Get file preview
prerender	A link to prerendered file content.
view	A link to file's content for audio/video/image/pdf files.
thumbnail	A link to image's thumbnail.
link	A link by which file may be referenced.

7.7 Update file info

A request to update file's metadata and properties. Currently used only for rename.

```
PUT /api/v1/files/{fileId} HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Response structure

Path	Type	Description
file	Object	File object metadata
links	Array	Array of links to file object. See File Links
file.id	String	The ID of the file.
file.filename	String	The name of the file.
file.mediaType	String	The media type of the file.
file.createdDate	Date	Create time for this file (formatted ISO8601 timestamp)
file.fileSize	Number	The size of the file in bytes.
file.lastModifyingUserId	String	The ID of the user who last modified the file.
file.lastModifyingUserFsId	String	The FS ID of the user who last modified the file.
file.lastModifyingUserFirstName	String	The first name of the user who last modified the file.
file.lastModifyingUserMiddleName	String	The middle name of the user who last modified the file.
file.lastModifyingUserLastName	String	The last name of the user who last modified the file.
file.modifiedByMeDate	Date	Last time this file was modified by the user (formatted RFC 3339 timestamp).
file.autoCreationRevisions	Boolean	Should new version of file be created automatically during collaboration.
file.lastViewedByMeDate	Date	Last time this file was viewed by the user (formatted RFC 3339 timestamp).
file.sharedWithMeDate	Date	Time at which this file was shared with the user (formatted RFC 3339 timestamp).
file.modifiedDate	Date	Last time this file was modified by anyone (formatted RFC 3339 timestamp).
file.parentId	String	The parent folder (parentReferenceId) which contains this file. The root has no parent
file.creator	String	The original creator (userId) of this file.
file.creatorFsId	String	The FS ID of the user who create the file.

Path	Type	Description
file.creatorFirstName	String	The first name of the user who create the file.
file.creatorMiddleName	String	The middle name of the user who create the file.
file.creatorLastName	String	The last name of the user who create the file.
file.properties	Array	The list of file's properties.
file.checksum	String	An MD5 checksum for the content of this file
file.headRevisionId	String	The ID of the file's head (last) revision.
file.isVersion	Boolean	The file is version or not
file.prerender	String	The id of prerendered file.
file.preview	String	The id of preview file.
file.previewFailureMark	Date	Flag to show unix time of unsuccessful preview generation.
file.ownerId	String	The owner (userId) of this file.
file.etag	String	ETag (HTTP Entity Tag) of the file.
file.ownerFsId	String	The owner (userId) of this file.
file.publicLinkId	String	Public link id. [Since 2021.03]
file.tree	String	Absolute path to this file for current user. Set of parent's names and name of the file.
file.ownerFirstName	String	The owner first name of this file.
file.ownerLastName	String	The owner last name of this file.
file.ownerMiddleName	String	The owner middle name of this file.
file.totalSize	Number	Total size of all file's versions.
file.currentRevisionObject	Object	Current revision object. See Get file revision
file.previewClientVersion	String	Version of preview client that generated preview
file.specialDir	String	Type of special folder, if present
file.originalFileIdOpt	String	Exist only for version and contained file id
file.creatorIsDeleted	Boolean	Show that creator is deleted
file.editorIsDeleted	Boolean	Show that editor is deleted
file.ownerIsDeleted	Boolean	Show that owner is deleted
file.ownerAvatar	String	Owner avatar
file.creatorAvatar	String	Creator avatar

Path	Type	Description
file.editorAvatar	String	Editor avatar
file.properties[.].id	String	The file's property id.
file.properties[.].key	String	The file's property key.
file.properties[.].value	String	The file's property value.
links[.].rel	String	Link type
links[.].href	String	Link reference

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189348855' -i -X PUT \  
  -H 'Content-Type: application/json' \  
  -H 'X-co-auth-token: b3abd97c3909d2fb6b56d9af23cad2df' \  
  -d '{  
    "id" : "189348855",  
    "createdDate" : "2022-04-06T15:56:46.000Z",  
    "creator" : "testsrvdocs@tacos.devoffice.ru",  
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",  
    "creatorFirstName" : "r",  
    "creatorLastName" : "t",  
    "creatorMiddleName" : "f",  
    "fileSize" : "20",  
    "filename" : "newname.txt",  
    "headRevisionId" : "189348856",  
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",  
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",  
    "lastModifyingUserFirstName" : "r",  
    "lastModifyingUserLastName" : "t",  
    "lastModifyingUserMiddleName" : "f",  
    "mediaType" : "text/plain",  
    "modifiedByMeDate" : "2022-04-06T15:56:47.000Z",  
    "modifiedDate" : "2022-04-06T15:56:47.000Z",  
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",  
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",  
    "parentId" : "189348742",  
    "properties" : [ ],  
    "totalSize" : "20",  
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",  
    "tree" : "/docs-test-updateFileExample()-04PRAdmvgW/testfile.txt",  
    "ownerFirstName" : "r",  
    "ownerLastName" : "t",  
    "ownerMiddleName" : "f"  
    "isVersion" : false,
```

```
"originalFileIdOpt" : null,  
"creatorIsDeleted" : false,  
"editorIsDeleted" : false,  
"ownerIsDeleted" : false,  
"ownerAvatar" : "",  
"creatorAvatar" : "",  
"editorAvatar" : ""  
}'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 585a7364565053417841516474433170  
X-WOPI-Correlationid: jPhx0vFXvCCSRVGyVVJa6jCb0vstbcb0  
Content-Type:  
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8  
Content-Length: 2075  
  
{  
  "file" : {  
    "id" : "189348855",  
    "createdDate" : "2022-04-06T15:56:46.000Z",  
    "creator" : "testsrvdocs@tacos.devoffice.ru",  
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",  
    "creatorFirstName" : "r",  
    "creatorLastName" : "t",  
    "creatorMiddleName" : "f",  
    "fileSize" : "20",  
    "filename" : "newname.txt",  
    "headRevisionId" : "189348856",  
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",  
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",  
    "lastModifyingUserFirstName" : "r",  
    "lastModifyingUserLastName" : "t",  
    "lastModifyingUserMiddleName" : "f",  
    "mediaType" : "text/plain",  
    "modifiedByMeDate" : "2022-04-06T15:56:47.000Z",  
    "modifiedDate" : "2022-04-06T15:56:47.000Z",  
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",  
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",  
    "parentId" : "189348742",  
    "properties" : [ ],  
    "totalSize" : "20",  
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",  
    "tree" : "/docs-test-updateFileExample()-04PRAdmvgW/testfile.txt",  
    "ownerFirstName" : "r",
```

```
"ownerLastName" : "t",
"ownerMiddleName" : "f"
"isVersion" : false,
"originalFileIdOpt" : null,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false,
"ownerAvatar" : "",
"creatorAvatar" : "",
"editorAvatar" : ""
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189348855"
}, {
  "rel" : "download",
  "href" : "http://localhost:8080/api/v1/files/189348855/content"
}, {
  "rel" : "import",
  "href" : "http://localhost:8080/api/v1/files/189348855/import"
}, {
  "rel" : "preview",
  "href" : "http://localhost:8080/api/v1/files/189348855/preview"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189348855"
} ]
}
```

7.8 Get file properties

A request to get file properties.

```
GET /api/v1/files/{fileId}/properties HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Response structure

Path	Type	Description
[]	Array	Array of property objects.

Path	Type	Description
[].links	Array	Array of links to file object. See File Links
[].property.id	String	The file's property id.
[].property.key	String	The file's property key.
[].property.value	String	The file's property value.
[].links[].rel	String	Link type
[].links[].href	String	Link reference

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189389946/properties' -i -X GET \
-H 'X-co-auth-token: bcb087a6aa8b63844aaee7b0b4bda9b4'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 4875416f5a49597858684a3934674d38
X-WOPI-Correlationid: 0e3yGcV8JovGSJlrIIeFGqtvobIWrmQY
Content-Type:
application/vnd.ncloudtech.cloudoffice.propertylist+json;v=1;charset=UTF-8
Content-Length: 411

[ {
  "property" : {
    "id" : "flagged",
    "key" : "flagged",
    "value" : "true"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/flagged"
  } ]
}, {
  "property" : {
    "id" : "custom_my_1",
    "key" : "custom_my_1",
    "value" : "my custom value"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/custom_my_1"
```

```
} ]  
} ]
```

7.9 Set file properties

A request to set file properties.



[Since 2017.01] it's allowed to set custom properties which id/key is started with `custom_` prefix

```
POST /api/v1/files/{fileId}/properties HTTP/1.1
```

Generates [Notification metadata changed](#).

Path parameters

Parameter	Description
fileId	The ID of the file.

Request structure

Path	Type	Description
[].id	String	The ID of the property.
[].key	String	The key of this property.
[].value	String	The value of this property. Use value="undef" for removing custom property

Response structure

Path	Type	Description
[]	Array	Array of property objects.
[].links	Array	Array of links to file object. See File Links
[].property.id	String	The file's property id.
[].property.key	String	The file's property key.
[].property.value	String	The file's property value.
[].links[].rel	String	Link type
[].links[].href	String	Link reference

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189360784/properties' -i -X
POST \
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: b35642d88a3d3c2f896721f3b6999456' \
  -d '[ {
  "id" : "flagged",
  "key" : "flagged",
  "value" : "true"
}, {
  "id" : "custom_my_1",
  "key" : "custom_my_1",
  "value" : "my custom value"
} ]'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 74556b657155367a4166764731416a66
X-WOPI-Correlationid: zJhXH4ccLTWvAcYwnGI37J8X559PeMYp
Content-Type:
application/vnd.ncloudtech.cloudoffice.propertylist+json;v=1;charset=UTF-
8
Content-Length: 411

[ {
  "property" : {
    "id" : "flagged",
    "key" : "flagged",
    "value" : "true"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/flagged"
  } ]
}, {
  "property" : {
    "id" : "custom_my_1",
    "key" : "custom_my_1",
    "value" : "my custom value"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/custom_my_1"
```

```
} ]  
} ]
```

7.10 Check file has sub folder(s)

In some requests to check sub folder(s) and send `hasChildFolders` property in response need to set `withHasSubFolder` parameter to true.

Property `hasChildFolders` is true if file has sub folder(s) otherwise false.

Request examples

```
POST /api/v1/files/?q={query},withHasSubFolder=true HTTP/1.1  
POST /api/v1/files/{fileId}?withHasSubFolder=true HTTP/1.1  
POST /api/v1/files/{linkUid}/children?withHasSubFolder=true HTTP/1.1
```

Example request parameters

Path	Description
q	Urlencoded query json object. See Query object structure.
withHasSubFolder	If flag is true, send <code>hasChildFolders</code> property in response. By default is true. <code>hasChildFolders</code> is true when file has sub folder(s), otherwise false.

Example request

```
$ curl  
'http://localhost:8080/api/v1/files?q=%7B%22parentId%22%3A%22189405957%22%2C%22sortField%22%3A%22filename%22%2C%22sortOrder%22%3A%22asc%22%2C%22searchByContent%22%3Afalse%2C%22searchInShared%22%3Afalse%2C%22searchInCorporate%22%3Afalse%2C%22offset%22%3A-1%2C%22limit%22%3A-1%7D&withHasSubFolder=true' -i -X GET \  
-H 'X-co-auth-token: 78d71bda851e332d4ed5fc67e8ab2963'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 3134576c49583039514d556e7157356c  
X-WOPI-Correlationid: 2MzCRrg4cehoHIjki0qoiK5xgI17jDsz  
Content-Type:  
application/vnd.ncloudtech.cloudoffice.filelist+json;v=1;charset=UTF-8  
Content-Length: 1843
```

```
[ {
  "file" : {
    "id" : "189406012",
    "createdDate" : "2022-04-06T16:01:36.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "creatorMiddleName" : "f",
    "fileSize" : "null",
    "filename" : "New Folder",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "lastModifyingUserMiddleName" : "f",
    "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",
    "modifiedByMeDate" : "2022-04-06T16:01:36.000Z",
    "modifiedDate" : "2022-04-06T16:01:36.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189405957",
    "properties" : [ {
      "id" : "hasChildFolders",
      "key" : "hasChildFolders",
      "value" : "true"
    } ],
    "totalSize" : "null",
    "tree" : "/docs-test-getFileWithHasSubFolderExample()-
c6FzJXTE5q/New Folder/",
    "ownerFirstName" : "r",
    "ownerLastName" : "t",
    "ownerMiddleName" : "f",
    "isVersion" : false,
    "originalFileIdOpt" : null,
    "creatorIsDeleted" : false,
    "editorIsDeleted" : false,
    "ownerIsDeleted" : false,
    "ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
    "creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
    "editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189406012"
```



```
  }, {  
    "rel" : "link",  
    "href" : "http://localhost:8080/link/189406012"  
  } ]  
} ]
```

Example request

```
$ curl  
'http://localhost:8080/api/v1/files?q=%7B%22parentId%22%3A%22189389259%22%2C%22sortField%22%3A%22filename%22%2C%22sortOrder%22%3A%22asc%22%2C%22searchByContent%22%3Afalse%2C%22searchInShared%22%3Afalse%2C%22searchInCorporate%22%3Afalse%2C%22offset%22%3A-1%2C%22limit%22%3A-1%7D&withHasSubFolder=false' -i -X GET \  
-H 'X-co-auth-token: a4c6384a46b23bfd51dacfc11e57e528'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 6966326f7667614c5035666c70703166  
X-WOPI-Correlationid: tU77yowmUA3DPkBYWrCI4e9KWWl0p3aq  
Content-Type:  
application/vnd.ncloudtech.cloudoffice.filelist+json;v=1; charset=UTF-8  
Content-Length: 1750  
  
[ {  
  "file" : {  
    "id" : "189389314",  
    "createdDate" : "2022-04-06T16:00:02.000Z",  
    "creator" : "testsrvdocs@tacos.devoffice.ru",  
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",  
    "creatorFirstName" : "r",  
    "creatorLastName" : "t",  
    "creatorMiddleName" : "f",  
    "fileSize" : "null",  
    "filename" : "New Folder",  
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",  
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",  
    "lastModifyingUserFirstName" : "r",  
    "lastModifyingUserLastName" : "t",  
    "lastModifyingUserMiddleName" : "f",  
    "mediaType" : "application/vnd.ncloudtech.cloudoffice.folder",  
    "modifiedByMeDate" : "2022-04-06T16:00:02.000Z",  
    "modifiedDate" : "2022-04-06T16:00:03.000Z",  
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
```

```
"ownerId" : "testsrvdocs@tacos.devoffice.ru",
"parentId" : "189389259",
"properties" : [ ],
"totalSize" : "null",
"tree" : "/docs-test-getFileWithoutHasSubFolderExample()-
3uKdcoHLOR/New Folder/",
"ownerFirstName" : "r",
"ownerLastName" : "t",
"ownerMiddleName" : "f",
"isVersion" : false,
"originalFileIdOpt" : null,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false,
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189389314"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189389314"
} ]
} ]
```

7.11 Move file to Trash

A request to move file to Trash folder.

```
POST /api/v1/files/{fileId}/trash HTTP/1.1
```

Generates [Notification file move to Trash](#).

Path parameters

Parameter	Description
fileId	The ID of the file.

Response structure

See [Get file info](#)

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189335146/trash' -i -X POST \
-H 'X-co-auth-token: 001217445fa7664cd075c578537e4c09'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 4931634a4a70744444504a7157744267
X-WOPI-Correlationid: bBQNcuvga3dvkSY5e9l2DDZaxmucKKBq
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 2203
{
  "file" : {
    "id" : "189335146",
    "createdDate" : "2022-04-06T15:55:26.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "creatorMiddleName" : "f",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189335147",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "lastModifyingUserMiddleName" : "f",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T15:55:26.000Z",
    "modifiedDate" : "2022-04-06T15:55:26.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "88458295",
    "properties" : [ {
      "id" : "inTrash",
      "key" : "inTrash",
      "value" : "true"
    } ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/Trash/testfile.txt",
```

```
"ownerFirstName" : "r",
"ownerLastName" : "t",
"ownerMiddleName" : "f",
"isVersion" : false,
"originalFileIdOpt" : null,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false,
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189335146"
}, {
  "rel" : "download",
  "href" : "http://localhost:8080/api/v1/files/189335146/content"
}, {
  "rel" : "import",
  "href" : "http://localhost:8080/api/v1/files/189335146/import"
}, {
  "rel" : "preview",
  "href" : "http://localhost:8080/api/v1/files/189335146/preview"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189335146"
} ]
}
```

7.12 Restore file from Trash

A request to move file to Trash folder.

```
POST /api/v1/files/{fileId}/untrash HTTP/1.1
```



[Since 2016.4] Generates [Notification file restore from trash](#)



[Prior to 2016.4] Generates [Notification add file/folder](#) for destination folderId and [Notification file delete](#) for Trash folderId.

Path parameters

Parameter	Description
fileId	The ID of the file.

Response structure

See [Get file info](#).

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189365081/untrash' -i -X  
POST \  
  -H 'X-co-auth-token: ec2851c9ae31daf6872d1c7bbff9fbe2'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 777535575453764f363950656b6a7456  
X-WOPI-Correlationid: 6LGYbxqSy3jeZQR5XdObtay05bemcSJK  
Content-Type:  
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8  
Content-Length: 2277  
{  
  "file" : {  
    "id" : "189365081",  
    "createdDate" : "2022-04-06T15:58:04.000Z",  
    "creator" : "testsrvdocs@tacos.devoffice.ru",  
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",  
    "creatorFirstName" : "r",  
    "creatorLastName" : "t",  
    "creatorMiddleName" : "f",  
    "fileSize" : "20",  
    "filename" : "testfile.txt",  
    "headRevisionId" : "189365082",  
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",  
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",  
    "lastModifyingUserFirstName" : "r",  
    "lastModifyingUserLastName" : "t",  
    "lastModifyingUserMiddleName" : "f",  
    "mediaType" : "text/plain",  
    "modifiedByMeDate" : "2022-04-06T15:58:04.000Z",  
    "modifiedDate" : "2022-04-06T15:58:04.000Z",  
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
```

```
"ownerId" : "testsrvdocs@tacos.devoffice.ru",
"parentId" : "189365016",
"preview" : "189365299",
"previewClientVersion" : "3.2",
"properties" : [ ],
"totalSize" : "20",
"checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
"tree" : "/docs-test-untrashFileExample()-gj14XPiK4q/testfile.txt",
"ownerFirstName" : "r",
"ownerLastName" : "t",
"ownerMiddleName" : "f",
"isVersion" : false,
"originalFileIdOpt" : null,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false,
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189365081"
}, {
  "rel" : "download",
  "href" : "http://localhost:8080/api/v1/files/189365081/content"
}, {
  "rel" : "import",
  "href" : "http://localhost:8080/api/v1/files/189365081/import"
}, {
  "rel" : "preview",
  "href" : "http://localhost:8080/api/v1/files/189365081/preview"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189365081"
} ]
}
```

7.13 Purge Trash folder

A request purge trash folder.

```
DELETE /api/v1/files/{trashFolderId} HTTP/1.1
```

Details

Execute [Delete file](#) with Trash folder ID, which can be retrieved via the [Authenticate user through FS service for mobile](#).

7.14 Delete file

A request to delete the file without an ability to restore it.

```
DELETE /api/v1/files/{fileId} HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189376296' -i -X DELETE \  
-H 'X-co-auth-token: 1c0caa3724db5708a6d4ee3babdc4c74' \  
-H 'X-co-auth-token: 1c0caa3724db5708a6d4ee3babdc4c74'
```

Example response

```
HTTP/1.1 204 No Content  
X-co-request-id: 7632693061396138613736545969774a  
X-WOPI-Correlationid: UsC2e4Xcttuk76hYn9vNeI5Dq87UJtJu
```

7.15 Export file (synchronous)

A request to **synchronous** export/print file to specified format without extra parameters



[Since 2017.01]



Please note this request may execute for a long time, so tune your client's timeout.

```
POST /api/v1/files/{fileId}/syncExport HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Request parameters

Parameter	Description
mediaType	Export file mediaType (See exportFormats[],targets[] array at Authenticate user through FS service for mobile) [Since 2018.01]
timezoneOffsetMins	Timezone to be used during the conversion process [Since 2017.03]

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189415112/syncExport?mediaType=application%2Fpdf' -i -X POST \
  -H 'X-co-auth-token: 26e6add4581e2a3fe67a1a047fec5765' \
  -d '{ }'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 786f585853575a494a52373562683232
X-WOPI-Correlationid: Efbw5cdlWBuECW6qfZpEYLfVNSSE84pe
Content-Disposition: attachment; filename*=UTF-8''testfile.pdf
Content-Type: application/pdf
Content-Length: 32334
[ content of the response is skipped ]
```

7.16 Export file with extra parameters



[Since 2016.4]

A request to **asynchronous** export/print file to specified format with extra parameters.

```
POST /api/v1/files/{fileId}/export HTTP/1.1
```

Generates [Notification file export](#) notification.

Path parameters

Parameter	Description
fileId	The ID of the file.

Request parameters

Parameter	Description
mediaType	Export file mediaType (See exportFormats[.targets[] array at Authenticate user through FS service for mobile) [Since 2018.01]
folderId	Target folder ID
filename	Target file's name [Since 2017.04]
conflictStrategy	Conflict resolution strategy (keep_both overwrite versioned)
timezoneOffsetMins	Timezone to be used during the conversion process [Since 2017.03]

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189357214/export?mediaType=applicatio
n%2Fpdf&folderId=189357149&conflictStrategy=keep_both' -i -X POST \
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: 47594e4041c0ff32416a307192e1e946' \
  -d '{ }'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 76337a5030554555464449426c303549
X-WOPI-Correlationid: Efbw5cdlWBuECW6qfZpEYLfVNSSE84pe
```

7.17 Import file

A request to **asynchronous** import file

```
POST /api/v1/files/{fileId}/import HTTP/1.1
```

Generates [Notification file import](#) notification.

Path parameters

Parameter	Description
fileId	The ID of the file.

Request parameters

Parameter	Description
conflictStrategy	Conflict resolution strategy (keep_both overwrite versioned)
encoding	Encoding for DSV/CSV conversion (CP866 ISO8859_5 KOI8R KOI8U UTF16BE UTF16LE UTF32BE UTF32LE UTF8 Windows1250 Windows1251 Windows1252 auto). [Since 2020.04]
separators	Separators for DSV/CSV conversion. Can be from letters CPSTV. [Since 2020.04]
escape	DSV file escape char (quote double_quote). [Since 2020.04]
timezoneOffsetMins	Timezone to be used during the conversion process [Since 2017.03]

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189332757/import?encoding=iso8859_5&separators=VCP&escape=double_quote&conflictStrategy=keep_both' -i -X POST \
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: b905769bbedcd0cdd1b3e8782c4d34ce' \
  -d '{}'
```

Example response

```
HTTP/1.1 202 Accepted
X-co-request-id: 695344427255416774517a30576b366c
X-WOPI-Correlationid: Efbw5cdlWBuECW6qfZpEYLfVNSSE84pe
```

7.18 Get file content

A request to retrieve file content.

```
GET /api/v1/files/{fileId}/content HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Request parameters

Parameter	Description
download	If this flag set to true, Content-disposition: attach header will be set in response

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189338668/content?download=true' -i -
X GET \
-H 'X-co-auth-token: 3bfc60de06d87b7503f740aaaae204c59'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 503239376a756f333844627362385047
X-WOPI-Correlationid: Efbw5cdlWBuECW6qfZpEYLfVNSSE84pe
Content-Disposition: attachment; filename*=UTF-8''testfile.txt
Content-Type: text/plain
Content-Length: 20

some example content
```

7.19 Check file preview

A request to check whether file preview exists or not.

```
HEAD /api/v1/files/{fileId}/preview HTTP/1.1
```

If the preview file exists, method returns `200 OK` and a `Content-type` header set to preview's file media-type, otherwise it returns `202 Accepted` and schedules file preview generation, its completion can be checked by existence of `preview` field in file's metadata, see [Get file info](#) after the [Notification metadata changed](#) has come.

Path parameters

Parameter	Description
fileId	The ID of the file.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189359605/generatePreview' -i -X POST \
-H 'X-co-auth-token: 434fb885390a82317b29e5bdff1e0d2a'
```

Example response

```
HTTP/1.1 202 Accepted
X-co-request-id: 654c53707a647563745851716c4d6972
X-WOPI-Correlationid: Efbw5cdlWBuECW6qfZpEYLfVNSSE84pe
X-co-web-client-only: true
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189341064/preview' -i -X HEAD \
-H 'X-co-auth-token: 3715b5d6e351854a1bca6d6e77257242'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 327853685a7733356d5a554c61563634
X-WOPI-Correlationid: Efbw5cdlWBuECW6qfZpEYLfVNSSE84pe
X-co-web-client-only: true
```

7.20 Get file preview

A request to get file preview.

```
GET /api/v1/files/{fileId}/preview HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189337552/preview' -i -X GET \
-H 'X-co-auth-token: 698d927daae2b138d5322a9d8b291d73'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 4c57374a614477683549456164514d35
X-WOPI-Correlationid: 4c57374a614477683549456164514d35
X-co-web-client-only: true
Content-Disposition: inline
Content-Type: application/pdf
Content-Length: 15077

[ content of the response is skipped ]
```

7.21 Regenerate preview file

A request to force generate preview file.



[Since 2018.01]

```
POST /api/v1/files/{fileId}/generatePreview HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189359605/generatePreview' -
i -X POST \
-H 'X-co-auth-token: 434fb885390a82317b29e5bdf1e0d2a'
```

Example response

```
HTTP/1.1 202 Accepted
X-co-request-id: 654c53707a647563745851716c4d6972
X-WOPI-Correlationid: 4c57374a614477683549456164514d35
X-co-web-client-only: true

[ content of the response is skipped ]
```

7.22 Get file prerender

A request to get file prerender.

```
GET /api/v1/files/{fileId}/prerender HTTP/1.1
```

If the prerender file exists, method returns 200 OK and a prerender content in response, otherwise it returns 400 Bad request with the error_code set to srv_err_prerender_not_found and schedules file prerender generation, its completion can be checked by existence of prerender field in file's metadata, see [Get file info](#) after the [Notification metadata changed](#) has come.

Path parameters

Parameter	Description
fileId	The ID of the file.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189381605/prerender' -i -X
GET \
-H 'X-co-auth-token: 8711018614e79d7d98aa73dfdc1de7c9'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 70677934566a485735354d326b477252
X-WOPI-Correlationid: 70677934566a485735354d326b477252
Content-Disposition: inline
Content-Type: application/json
Content-Length: 1772
Content-Encoding: gzip

[ content of the response is skipped ]
```

7.23 Regenerate prerender file

A request to force generate prerender file.



[Since 2018.01]

```
POST /api/v1/files/{fileId}/generatePrerender HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189324849/generatePrerender'
-i -X POST \
-H 'X-co-auth-token: cbbf11614934ddc7888e8419cb607116'
```

Example response

```
HTTP/1.1 202 Accepted
X-co-request-id: 525258444a377739544f706b66476f32
X-WOPI-Correlationid: 525258444a377739544f706b66476f32

[ content of the response is skipped ]
```

7.24 Get file's thumbnail

Get file's thumbnail or regenerate if it does not exist.



[Since 2018.01]



Works for images only

```
GET /api/v1/files/{fileId}/thumbnail HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189326318/thumbnail' -i -X  
GET \  
-H 'X-co-auth-token: 887eb6716065dc51e803e73ec9526698'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 35446c6c526e49456171704974634b68  
X-WOPI-Correlationid: 35446c6c526e49456171704974634b68  
Content-Disposition: inline  
Content-Type: image/jpeg  
Content-Length: 3066  
  
[ content of the response is skipped ]
```

7.25 Copy file

```
POST /api/v1/files/{fileId}/copy/{folderId} HTTP/1.1
```

Generates notifications:

[Notification file copy](#) for owner of the file.

[Notification file unshare](#) for share user, if the operation overwrites the file, shared to someone.

Path parameters

Parameter	Description
fileId	The ID of the source file.
folderId	The ID of the target folder.

Request parameters

Parameter	Description
conflictStrategy	Conflict resolution strategy (keep_both overwrite versioned)

Parameter	Description
saveAsTemplate	Save document as template [Since 2017.03] .
timezoneOffsetMins	Timezone to be used during the conversion process [Since 2017.03]
filename	Override target file name [Since 2017.04]

Response structure

See Get file Info [Response structure](#).

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189382891/copy/189383004?conflictStrategy=keep_both' -i -X POST \
  -H 'X-co-auth-token: 96045f5d0489536683333964aa663bed' \
  -H 'Content-Type: application/x-www-form-urlencoded'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 544f5a6c6b373242694c43394e4a4358
X-WOPI-Correlationid: 544f5a6c6b373242694c43394e4a4358
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 2193

{
  "file" : {
    "id" : "189383332",
    "createdDate" : "2022-04-06T15:59:47.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "creatorMiddleName" : "f",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189383333",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "lastModifyingUserMiddleName" : "f",
```

```
"mediaType" : "text/plain",
"modifiedByMeDate" : "2022-04-06T15:59:47.000Z",
"modifiedDate" : "2022-04-06T15:59:47.000Z",
"ownerFsId" : "5177189d266a4862ad93blcda2f5ac2b",
"ownerId" : "testsrvdocs@tacos.devoffice.ru",
"parentId" : "189383004",
"properties" : [ ],
"totalSize" : "20",
"checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
"tree" : "/docs-test-copyFileExample()-zm2d2cxJfP/New
Folder/testfile.txt",
"ownerFirstName" : "r",
"ownerLastName" : "t",
"ownerMiddleName" : "f",
"isVersion" : false,
"originalFileIdOpt" : null,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false,
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189383332"
}, {
  "rel" : "download",
  "href" : "http://localhost:8080/api/v1/files/189383332/content"
}, {
  "rel" : "import",
  "href" : "http://localhost:8080/api/v1/files/189383332/import"
}, {
  "rel" : "preview",
  "href" : "http://localhost:8080/api/v1/files/189383332/preview"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189383332"
} ]
}
```

7.26 Move file

```
POST /api/v1/files/{fileId}/move/{folderId} HTTP/1.1
```

Generates notifications:

[Notification file move](#) for file owner.

[Notification file delete](#) for share user, if the file was moved from the shared folder **[not sent at 2017.04]**.

[Notification add file/folder](#) for share user, if the file was moved to the shared folder.

[Notification file unshare](#) for share user, if the operation overwrites the file, shared to someone.

[Notification file's permissions changed](#) for file owner if the object has parent share.

Path parameters

Parameter	Description
fileId	The ID of the source file.
folderId	The ID of the target folder.

Request parameters

Parameter	Description
conflictStrategy	Conflict resolution strategy (keep_both overwrite versioned)

Response structure

See Get File Info [Response structure](#).

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189339962/move/189340073?conflictStrategy=keep_both' -i -X POST \
  -H 'X-co-auth-token: 354787c9a9f8e8bee22ebd69b7cf2698' \
  -H 'Content-Type: application/x-www-form-urlencoded'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 6e6d7a56347273725947707172485167
X-WOPI-Correlationid: W1ReHTF4HrU8yRDeaKpcFe2cPBP5ALfw
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 2193
```

```
{
  "file" : {
    "id" : "189339962",
    "createdDate" : "2022-04-06T15:56:00.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "creatorMiddleName" : "f",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189339963",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "lastModifyingUserMiddleName" : "f",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T15:56:00.000Z",
    "modifiedDate" : "2022-04-06T15:56:00.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189340073",
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-moveFileExample()-AIvd2JXgTH/New
Folder/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t",
    "ownerMiddleName" : "f",
    "isVersion" : false,
    "originalFileIdOpt" : null,
    "creatorIsDeleted" : false,
    "editorIsDeleted" : false,
    "ownerIsDeleted" : false,
    "ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
    "creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
    "editorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189339962"
  }, {
    "rel" : "download",
```

```

    "href" : "http://localhost:8080/api/v1/files/189339962/content"
  }, {
    "rel" : "import",
    "href" : "http://localhost:8080/api/v1/files/189339962/import"
  }, {
    "rel" : "preview",
    "href" : "http://localhost:8080/api/v1/files/189339962/preview"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/189339962"
  } ]
}

```

7.27 Get file permission

```
GET /api/v1/files/{fileId}/permissions/{permId} HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.
permId	The user's login or groupId.

Response structure

Path	Type	Description
permission	Object	Permission object
links[]	Array	Links for this permission
permission.id	String	The user's login or groupId for this permission.
permission.email	String	The user's email for this permission
permission.fsPermId	String	The user's id or group's id if it's a group permission
permission.parentShareId	String	Shared parent folder
permission.parentShareFilename	String	Parent share filename
permission.shareUserFirstName	String	Share user first name
permission.shareUserLastName	String	Share user last name
permission.shareUserMiddleName	String	Share user middle name
permission.shareUserAvatarId	String	Share user avatar id
permission.role	String	The primary role for this user/group
permission.isGroup	Boolean	Group permission indicator

Path	Type	Description
permission.groupName	String	Permission group name
permission.login	String	Permission user login
permission.isDeleted	Boolean	The user was deleted
links[].rel	String	Link type
links[].href	String	Link reference

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189379374/permissions/testsrvdocs2@ta
cos.devoffice.ru' -i -X GET \
-H 'X-co-auth-token: 325c10bc178bbdf951ab52d1b85b3811'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 62426443314135556475375371674549
X-WOPI-Correlationid: MiLqJgBpfx9xOqzNEJ8KfaTLI49B7JEO
Content-Disposition: inline;filename=f.txt
Content-Type:
application/vnd.ncloudtech.cloudoffice.permission+json;v=1;charset=UTF-8
Content-Length: 601
{
  "permission" : {
    "id" : "testsrvdocs2@tacos.devoffice.ru",
    "email" : "testsrvdocs2@tacos.devoffice.ru",
    "fsPermId" : "d97ad43a5bb14c7fa0564e637f0529d6",
    "isGroup" : false,
    "login" : "testsrvdocs2@tacos.devoffice.ru",
    "role" : "editor",
    "shareUserAvatarId" : "8bd73b29-b7a8-4adb-b703-0d005c235f80",
    "shareUserFirstName" : "a",
    "shareUserLastName" : "s",
    "shareUserMiddleName" : "d",
    "isDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" :
"http://localhost:8080/api/v1/files/testsrvdocs2@tacos.devoffice.ru"
  } ]
}
```

7.28 Get all file permissions

```
GET /api/v1/files/{fileId}/permissions HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Response structure

Path	Type	Description
[]	Array	Array of permission objects. See get permission Response structure
[].permission.id	String	The user's login or groupId for this permission
[].permission.email	String	The user's email for this permission
[].permission.fsPermId	String	The user's id or group's id if it's a group permission
[].permission.parentShareId	String	Shared parent folder
[].permission.parentShareFilename	String	Parent share filename
[].permission.shareUserFirstName	String	Share user first name
[].permission.shareUserLastName	String	Share user last name
[].permission.shareUserMiddleName	String	Share user middle name
[].permission.shareUserAvatarId	String	Share user avatar id
[].permission.role	String	The primary role for this user/group. See roles in [resource-info]
[].permission.isGroup	Boolean	Group permission indicator
[].permission.groupName	String	Permission group name
[].permission.login	String	Permission user login
[].permission.isDeleted	Boolean	The user was deleted
[].links[].rel	String	Link type
[].links[].href	String	Link reference

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189397622/permissions' -i -X
GET \
-H 'X-co-auth-token: 59afe3f300e866b841303729538db9fa'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 306244376c546b4a7353417a514d4e79
X-WOPI-Correlationid: WlGGfVw75B0gvYpMR0w39GZh1P53rxXd
Content-Type:
application/vnd.ncloudtech.cloudoffice.permissionlist+json;v=1;charset=UTF-8
Content-Length: 1201

[ {
  "permission" : {
    "id" : "testsrvdocs@tacos.devoffice.ru",
    "email" : "testsrvdocs@tacos.devoffice.ru",
    "fsPermId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "isGroup" : false,
    "login" : "testsrvdocs@tacos.devoffice.ru",
    "role" : "owner",
    "shareUserFirstName" : "r",
    "shareUserLastName" : "t",
    "shareUserMiddleName" : "f",
    "isDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" :
"http://localhost:8080/api/v1/files/testsrvdocs@tacos.devoffice.ru"
  } ]
}, {
  "permission" : {
    "id" : "testsrvdocs2@tacos.devoffice.ru",
    "email" : "testsrvdocs2@tacos.devoffice.ru",
    "fsPermId" : "d97ad43a5bb14c7fa0564e637f0529d6",
    "isGroup" : false,
    "login" : "testsrvdocs2@tacos.devoffice.ru",
    "role" : "editor",
    "shareUserAvatarId" : "8bd73b29-b7a8-4adb-b703-0d6c234f80",
    "shareUserFirstName" : "a",
    "shareUserLastName" : "s",
    "shareUserMiddleName" : "d",
    "isDeleted" : false
  },
  "links" : [ {
    "rel" : "self",
    "href" :
"http://localhost:8080/api/v1/files/testsrvdocs2@tacos.devoffice.ru"
```



```
} ]  
} ]
```

7.29 Add multiple file permissions

```
POST /api/v1/files/{fileId}/permissions/multiple HTTP/1.1
```

Generates [Notification file share](#).

Path parameters

Parameter	Description
fileId	The ID of the file.

Request fields

Path	Type	Description
sendEmail	Boolean	Send email after set permission or not
userMessage	String	User message to add in email
permissionStrategy	String	Permission strategy
permissions[]	Array	Array of permission objects. See add permission [resources-add-permission-fields]
permissions[].id	String	The user's login or groupId for this permission
permissions[].email	String	The user's email for this permission
permissions[].fsPermId	String	The user's id or group's id if it's a group permission
permissions[].parentShareId	String	Shared parent folder
permissions[].parentShareFilename	String	Parent share filename
permissions[].shareUserFirstName	String	Share user first name
permissions[].shareUserLastName	String	Share user last name
permissions[].shareUserMiddleName	String	Share user middle name
permissions[].shareUserAvatarId	String	Share user avatar id
permissions[].role	String	The primary role for this user/group
permissions[].isGroup	Boolean	Group permission indicator

Path	Type	Description
permissions[].groupName	String	Permission group name
permissions[].login	String	Permission user login
permissions[].isDeleted	Boolean	The user was deleted

Response structure

Path	Type	Description
content[]	Array	Array of permission objects
content[].links[]	Array	Permission's links
links[]	Array	This request links
content[].permission.id	String	The user's login or groupId for this permission
content[].permission.email	String	The user's email for this permission
content[].permission.fsPermId	String	The user's id or group's id if it's a group permission
content[].permission.parentShareId	String	Shared parent folder
content[].permission.parentShareFilename	String	Parent share filename
content[].permission.shareUserFirstName	String	Share user first name
content[].permission.shareUserLastName	String	Share user last name
content[].permission.shareUserMiddleName	String	Share user middle name
content[].permission.shareUserAvatarId	String	Share user avatar id
content[].permission.role	String	The primary role for this user/group
content[].permission.isGroup	Boolean	Group permission indicator
content[].permission.groupName	String	Permission group name
content[].permission.login	String	Permission user login
content[].permission.isDeleted		The user was deleted
content[].links[].rel	String	Link type
content[].links[].href	String	Link reference
links[].rel	String	Link type
links[].href	String	Link reference

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189386174/permissions/multiple' -i -X
POST \
```

```
-H 'Content-Type: application/json' \  
-H 'X-co-auth-token: 9984ce04e7c90904bda50723e917d812' \  
-d '{  
  "permissions" : [ {  
    "id" : "testsrvdocs2@tacos.devoffice.ru",  
    "email" : "testsrvdocs2@tacos.devoffice.ru",  
    "isGroup" : false,  
    "role" : "editor"  
  } ],  
  "sendEmail" : false,  
  "userMessage" : "",  
  "permissionStrategy" : "DEFAULT"  
}'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 70416146587a54785568545a75555651  
X-WOPI-Correlationid: KGyI2rAHLlo8JdmDbKD81Z8HSWT58REJ  
Content-Type:  
application/vnd.ncloudtech.cloudoffice.permissionlist+json;v=1;charset=UTF-8  
Content-Length: 667  
{  
  "links" : [ {  
    "rel" : "self",  
    "href" :  
"http://localhost:8080/api/v1/files/189386174/permissions/multiple"  
  } ],  
  "content" : [ {  
    "permission" : {  
      "id" : "testsrvdocs2@tacos.devoffice.ru",  
      "email" : "testsrvdocs2@tacos.devoffice.ru",  
      "isGroup" : false,  
      "role" : "editor",  
      "shareUserAvatarId" : "8bd73b29-b7a8-4adb-b703-0d005c235f80",  
      "shareUserFirstName" : "a",  
      "shareUserLastName" : "s",  
      "shareUserMiddleName" : "d"  
    },  
    "links" : [ {  
      "rel" : "self",  
      "href" :  
"http://localhost:8080/api/v1/files/testsrvdocs2@tacos.devoffice.ru"  
    } ]  
  } ]  
}
```

```
}
```

7.30 Modify permission role

```
PUT /api/v1/files/{fileId}/permissions/{permId} HTTP/1.1
```

Generates [Notification file's permissions changed](#).

Path parameters

Parameter	Description
fileId	The ID of the file.
permId	The user's login or groupId.

Request fields

Path	Type	Description
id	String	The user's login or groupId for this permission.
fsPermId	String	The user's id or groupId for this permission.
email	String	The user's email for this permission.
role	String	The primary role for this user/group.
isGroup	Boolean	Group permission indicator.

Request parameters

Parameter	Description
sendEmail	Should server send email

Response structure

See Get Permission [Response structure](#).

Example request

```
$ curl  
'http://localhost:8080/api/v1/files/189413843/permissions/testsrvdocs2@ta  
cos.devoffice.ru' -i -X PUT \  
  -H 'Content-Type: application/json' \  
  -H 'X-co-auth-token: 02d8e21739b77e7543163824140607ad' \  
  -d '{
```

```
"id" : "testsrvdocs2@tacos.devoffice.ru",
"email" : "testsrvdocs2@tacos.devoffice.ru",
"fsPermId" : "07169c7868a343e5835c4c5db8255087",
"isGroup" : false,
"role" : "viewer"
}'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 556169754172596c454c7a6234666e6f
X-WOPI-Correlationid: HJ1SG6fbkPEeWWoSVPLLZHTdCwYwyHyV
Content-Disposition: inline;filename=f.txt
Content-Type:
application/vnd.ncloudtech.cloudoffice.permission+json;v=1;charset=UTF-8
Content-Length: 519
{
  "permission" : {
    "id" : "testsrvdocs2@tacos.devoffice.ru",
    "email" : "testsrvdocs2@tacos.devoffice.ru",
    "fsPermId" : "07169c7868a343e5835c4c5db8255087",
    "isGroup" : false,
    "role" : "viewer",
    "shareUserAvatarId" : "8bd73b29-b7a8-4adb-b703-0d005c235f80",
    "shareUserFirstName" : "a",
    "shareUserLastName" : "s",
    "shareUserMiddleName" : "s"
  },
  "links" : [ {
    "rel" : "self",
    "href" :
"http://localhost:8080/api/v1/files/testsrvdocs2@tacos.devoffice.ru"
  } ]
}
```

7.31 Delete file permission

```
DELETE /api/v1/files/{fileId}/permissions/{permId} HTTP/1.1
```

Generates [Notification file unshare](#).

Path parameters

Parameter	Description
fileId	The ID of the file.
permId	The user's login or groupId.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189390959/permissions/testsrvdocs2@ta  
cos.devoffice.ru' -i -X DELETE \  
-H 'X-co-auth-token: 4a36eedab979f7903e43754faf7826d4'
```

Example response

```
HTTP/1.1 204 No Content  
X-co-request-id: 54636472554e5a72484e3267524d3845  
X-WOPI-Correlationid: 54636472554e5a72484e3267524d3845
```

7.32 Request access to file

```
POST /api/v1/files/{fileId}/requestAccess HTTP/1.1
```

Sends email to the file owner or cloud notification to the owner's Android device with permission request.

Path parameters

Parameter	Description
fileId	The ID of the file.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189417710/requestAccess' -i  
-X POST \  
-H 'X-co-auth-token: 9ebf7e147bacb3bbdf815bc060d7d345' \  
-H 'X-Tenant-ID: stub'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 4e4f4c777477525a37664f5847595652
```

7.33 Request access to file by managers

```
POST /api/v1/files/{fileId}/requestAccess/managers HTTP/1.1
```

Sends email to the file managers or cloud notification to the managers Android device with permission request.

Path parameters

Parameter	Description
fileId	The ID of the file.

Request body

```
{
  "message" : "text",
  "fileManagers" : [ {
    "email" : "email@email.com",
    "locale" : "US-us",
    "firstName" : "Jon"
  } ]
}
```

Example request

```
$ curl 'http://localhost:8080/api/v1/files/4198b347-4489-4bde-
a06ca69626aedcf6/
requestAccess/managers' -i -X POST \
-H 'X-co-auth-token: d4df686556681a2e31243405cf859d9a' \
-H 'X-Tenant-ID: stub' \
-d '{
  "message" : "text",
  "fileManagers" : [ {
    "email" : "email@email.com",
    "locale" : "US-us",
    "firstName" : "Jon"
  } ]
}'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 4e4f4c777477525a37664f5847595652
```

7.34 Send file by email

A request to export file.

```
POST /api/v1/files/{fileId}/email HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Request parameters

Parameter	Description
recipient	Array with recipient emails
userMessage	User message to add in email.
attachFile	Attach file itself or send link to the file instead.
mediaType	Attachment mediaType (See exportFormats[].targets[] array at Authenticate user through FS service for mobile) [Since 2018.01]

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189409595/email' -i -X POST \
  -H 'X-co-auth-token: 157eb0031e3b1954ea3d73dca0e96964' \
  -d 'recipient=%5B%22testsrvdocs%40tacos.devoffice.ru%22%5D&userMessage=Here%27s+the+file+you+asked+for&attachFile=true&mediaType=application%2Fvnd.oasis.opendocument.text'
```

Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 67664574556351394872585153513930
X-WOPI-Correlationid: zZ0CBpHfNyChopTMH8XVe6k4Z0Erj1C2
```

7.35 Zip files and folders

A request to download zipped files and folders.



[Since 2017.01]



Please note this request may execute for a long time, so tune your client's timeout.

```
GET /api/v1/files/zip HTTP/1.1
```

Request parameters

Parameter	Description
id	File id's to be included to archive
filename	Generated archive file name

Example request

```
$ curl  
'http://localhost:8080/api/v1/files/zip?id=189393382&id=189393548&filename=myarchive.zip' -i -X GET \  
-H 'X-co-auth-token: 7c20e57cf9eeb818f7fd376a6940b84f'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 69686e6e616377765364615a6c627243  
X-WOPI-Correlationid: 69686e6e616377765364615a6c627243  
Content-Disposition: attachment; filename*=UTF-8''myarchive.zip  
Content-Type: application/zip  
Content-Length: 398  
  
[ content of the response is skipped ]
```

7.36 Create zip request by json



[Since 2017.03]

Put files' ids to temporary store for future zip download.

```
POST /api/v1/files/zip HTTP/1.1
```

Response fields

Path	Type	Description
requestId	String	Generated request id for future download

Example request

```
$ curl 'http://localhost:8080/api/v1/files/zip' -i -X POST \  
-H 'Content-Type: application/json' \  
-H 'X-co-auth-token: 1b6b225806459f78a277478489ae53cb' \  
-d '[ "file1", "file2", "file3" ]'
```

Response structure

```
{  
  "requestId" : "6e454a684e543669736b335158366472"  
}
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 79544f67374c6c507a44656c4631717a  
X-WOPI-Correlationid: 79544f67374c6c507a44656c4631717a  
Content-Type: application/json  
Content-Length: 54  
  
{  
  "requestId" : "6e454a684e543669736b335158366472"  
}
```

7.37 Create zip request by form



[Since 2022.03]

Put files' ids to temporary store for future zip download.

```
POST /api/v1/files/zipForm HTTP/1.1
```

Request parameters

Parameter	Description
id	File id's to be included to archive

Response fields

Path	Type	Description
requestId	String	Generated request id for future download

Example request

```
$ curl 'http://localhost:8080/api/v1/files/zipForm' -i -X POST \  
  -H 'X-co-auth-token: 1cd299b2ac8225357585a0de48195e39' \  
  -d 'id=file1&id=file2&id=file3'
```

Response structure

```
{  
  "requestId" : "6d6f764c66596d795a3431794f566832"  
}
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 346c56756d38364f3845624c786c3153  
X-WOPI-Correlationid: 346c56756d38364f3845624c786c3153  
Content-Type: application/json  
Content-Length: 54  
  
{  
  "requestId" : "6d6f764c66596d795a3431794f566832"  
}
```

7.38 Create zip request by form (deprecated)



[Since 2017.03]



[Deprecated 2022.03]

Put files' ids to temporary store for future zip download.

```
GET /api/v1/files/zip HTTP/1.1
```

Request parameters

Parameter	Description
id	File id's to be included to archive

Response fields

Path	Type	Description
requestId	String	Generated request id for future download

Example request

```
$ curl 'http://localhost:8080/api/v1/files/zip' -i -X GET \  
-H 'Content-Type: application/x-www-form-urlencoded' \  
-H 'X-co-auth-token: 89c70122e97d33d70919981f16ca1d9d' \  
-d 'id=file1&id=file2&id=file3'
```

Response structure

```
{  
  "requestId" : "6d667277663746384f4a446c59746767"  
}
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 6c587143377938497559696f635a4f43  
X-WOPI-Correlationid: 6c587143377938497559696f635a4f43  
X-co-deprecated: true  
Content-Type: application/json  
Content-Length: 54  
  
{  
  "requestId" : "6d667277663746384f4a446c59746767"  
}
```

7.39 Zip files from request id



[Since 2017.03]

Zip files specified in previous zip request ([Create zip request by json](#)).

Path parameters

Parameter	Description
zipRequestId	Id of a zip request created before this request

Request parameters

Parameter	Description
filename	Result file name. If not specified, default name will be set

Example request

```
$ curl 'http://localhost:8080/api/v1/files/zip/535a7537334d5144454b646431624762?filename=newfile.zip' -i -X GET \
-H 'X-co-auth-token: 292e88be07fb1d8d6095d43f7de39353'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 77646b52534c65545673783244744776
X-WOPI-Correlationid: 77646b52534c65545673783244744776
X-co-zip-request-id: 535a7537334d5144454b646431624762
Content-Disposition: attachment; filename*=UTF-8''newfile.zip
Content-Type: application/zip
Content-Length: 398
```

7.40 Upload new file revision

A request to upload a new file revision meta.

```
POST /api/v1/files/{fileId}/upload
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Response structure

Path	Type	Description
file	Object	File object metadata
links	Array	Array of links to file object. See File Links
file.id	String	The ID of the file.
file.filename	String	The name of the file.
file.mediaType	String	The media type of the file.

Path	Type	Description
file.createdDate	Date	Create time for this file (formatted ISO8601 timestamp)
file.fileSize	Number	The size of the file in bytes
file.lastModifyingUserId	String	The ID of the user who last modified the file
file.lastModifyingUserFsId	String	The FS ID of the user who last modified the file
file.lastModifyingUserFirstName	String	The first name of the user who last modified the file
file.lastModifyingUserMiddleName	String	The middle name of the user who last modified the file
file.lastModifyingUserLastName	String	The last name of the user who last modified the file
file.modifiedByMeDate	Date	Last time this file was modified by the user (formatted RFC 3339 timestamp)
file.autoCreationRevisions	Boolean	Should new version of file be created automatically during collaboration
file.lastViewedByMeDate	Date	Last time this file was viewed by the user (formatted RFC 3339 timestamp)
file.sharedWithMeDate	Date	Time at which this file was shared with the user (formatted RFC 3339 timestamp)
file.modifiedDate	Date	Last time this file was modified by anyone (formatted RFC 3339 timestamp)
file.parentId	String	The parent folder (parentReferenceId) which contains this file. The root has no parent
file.creator	String	The original creator (userId) of this file
file.creatorFsId	String	The FS ID of the user who create the file
file.creatorFirstName	String	The first name of the user who create the file
file.creatorMiddleName	String	The middle name of the user who create the file
file.creatorLastName	String	The last name of the user who create the file
file.properties	Array	The list of file's properties
file.checksum	String	An MD5 checksum for the content of this file
file.headRevisionId	String	The ID of the file's head (last) revision
file.isVersion	Boolean	The file is version or not
file.prerender	String	The id of prerendered file
file.preview	String	The id of preview file
file.previewFailureMark	Date	Flag to show unix time of unsuccessful preview generation
file.ownerId	String	The owner (userId) of this file
file.etag	String	ETag (HTTP Entity Tag) of the file

Path	Type	Description
file.ownerFsId	String	The owner (userId) of this file
file.publicLinkId	String	Public link id [Since 2021.03]
file.tree	String	Absolute path to this file for current user. Set of parent's names and name of the file
file.ownerFirstName	String	The owner first name of this file
file.ownerLastName	String	The owner last name of this file
file.ownerMiddleName	String	The owner middle name of this file
file.totalSize	Number	Total size of all file's versions
file.currentRevisionObject	Object	Current revision object. See Get file revision
file.previewClientVersion	String	Version of preview client that generated preview
file.specialDir	String	Type of special folder, if present
file.originalFileIdOpt	String	Exist only for version and contained file id
file.creatorIsDeleted	Boolean	Show that creator is deleted
file.editorIsDeleted	Boolean	Show that editor is deleted
file.ownerIsDeleted	Boolean	Show that owner is deleted
file.ownerAvatar	String	Owner avatar
file.creatorAvatar	String	Creator avatar
file.editorAvatar	String	Editor avatar
file.properties[.id]	String	The file's property id
file.properties[.key]	String	The file's property key
file.properties[.value]	String	The file's property value
links[.rel]	String	Link type
links[.href]	String	Link reference

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189395629/upload' -i -X POST \
\
  -H 'Content-Type: multipart/form-data' \
  -H 'X-co-auth-token: 0912abf38257a6845dc4585a15db70ec' \
  -F 'file=@testfile.txt;type=text/plain'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 7768643678654d657154427330686e6f
X-WOPI-Correlationid: b86PxbkBVglrRWtt6VJuYgnrD7zHwA5
Content-Type:
application/vnd.ncloudtech.cloudoffice.file+json;v=1;charset=UTF-8
Content-Length: 2087

{
  "file" : {
    "id" : "189395629",
    "createdDate" : "2022-04-06T16:00:27.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "creatorMiddleName" : "f",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189395979",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "lastModifyingUserMiddleName" : "f",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T16:00:27.000Z",
    "modifiedDate" : "2022-04-06T16:00:27.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189395564",
    "properties" : [ ],
    "totalSize" : "41",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-uploadNewFileRevisionExample()-
VNxcS2JT44/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t",
    "ownerMiddleName" : "f",
    "isVersion" : false,
    "originalFileIdOpt" : null,
    "creatorIsDeleted" : false,
    "editorIsDeleted" : false,
    "ownerIsDeleted" : false,
    "ownerAvatar" : "",
```



```
"creatorAvatar" : "",
"editorAvatar" : "",
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189395629"
}, {
  "rel" : "download",
  "href" : "http://localhost:8080/api/v1/files/189395629/content"
}, {
  "rel" : "import",
  "href" : "http://localhost:8080/api/v1/files/189395629/import"
}, {
  "rel" : "preview",
  "href" : "http://localhost:8080/api/v1/files/189395629/preview"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189395629"
} ]
}
```

7.41 Get file revision

A request to get a file revision meta

```
GET /api/v1/files/{fileId}/revisions/{revId}
```

Path parameters

Parameter	Description
fileId	Id of a file
revId	Id of a revision

Response structure

Path	Type	Description
revision	Object	Revision object
links[]	Array	Common hypermedia links
revision.checksum	String	An MD5 checksum for the content of the revision
revision.createdDate	String	Creation date of the revision
revision.fileSize	String	Size of the revision in bytes
revision.id	String	Id of the revision

Path	Type	Description
revision.isLastRevision	Boolean	Current revision flag
revision.mediaType	String	Media type of the revision
revision.modifiedDate	String	Modification date of the revision
revision.title	String	Title for the revision
revision.ownerId	String	The file owner id
revision.ownerLogin	String	Login of the file's owner
revision.ownerEmail	String	Email of the file's owner
revision.ownerFirstName	String	First name of the file's owner
revision.ownerLastName	String	Last name of the file's owner
revision.ownerMiddleName	String	Middle name of the file's owner
revision.creatorId	String	Revision creator id
revision.creatorLogin	String	Login of revision's creator
revision.creatorEmail	String	Email of revision's creator
revision.creatorFirstName	String	First name of revision's creator
revision.creatorMiddleName	String	Middle name of revision's creator
revision.creatorLastName	String	Last name of revision's creator
revision.pinned	Boolean	Mark to not auto delete revision
revision.creatorIsDeleted	Boolean	Mark creator is deleted
revision.ownerIsDeleted	Boolean	Mark owner is deleted
revision.ownerAvatar	String	Owner avatar
revision.creatorAvatar	String	Creator avatar
links[].rel	String	Link type
links[].href	String	Link reference

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189384739/revisions/189385141' -i -X
GET \
-H 'X-co-auth-token: 1cfa7d30e3124306557461f275418f0b'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 34704f75614d6e6b315469463158756c
X-WOPI-Correlationid: 34704f75614d6e6b315469463158756c
```

```
Content-Type:
application/vnd.ncloudtech.cloudoffice.revision+json;v=1;charset=UTF-8
Content-Length: 1209

{
  "revision" : {
    "id" : "189385141",
    "fileSize" : "20",
    "creatorId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "a",
    "creatorLastName" : "s",
    "creatorMiddleName" : "d",
    "creatorLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "creatorEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "isLastRevision" : true,
    "mediaType" : "text/plain",
    "ownerId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerFirstName" : "a",
    "ownerLastName" : "s",
    "ownerMiddleName" : "d",
    "ownerLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "ownerEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "title" : "testfile.txt",
    "createdDate" : "2022-04-06T15:59:52.000Z",
    "modifiedDate" : "2022-04-06T15:59:52.000Z",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "pinned" : true,
    "creatorIsDeleted" : false,
    "ownerIsDeleted" : false,
    "ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
    "creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189385141"
  } ]
}
```

7.42 Update file revision metadata

A request to update a file revision metadata (title).

```
PUT /api/v1/files/{fileId}/revisions/{revId}
```

Path parameters

Parameter	Description
fileId	Id of a file
revId	Id of a revision

Request fields

Path	Type	Description
title	String	Revision title.

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189330065/revisions/189330375' -i -X
PUT \
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: cbf316901c9a49943ece503adf21cbc1' \
  -d '{
  "title" : "simpleTitle"
}'
```

Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 724f587549533266634a776333557731
X-WOPI-Correlationid: 724f587549533266634a776333557731
```

7.43 Get file revisions

A request to get a file revisions meta.

```
GET /api/v1/files/{fileId}/revisions
```

Path parameters

Parameter	Description
fileId	Id of a file to fetch revisions

Response structure

Path	Type	Description
[]	Array	Array of file's revisions.
[].revision	Object	Revision object
[].links[]	Array	Common hypermedia links
[].revision.checksum	String	An MD5 checksum for the content of the revision
[].revision.createdDate	String	Creation date of the revision
[].revision.fileSize	String	Size of the revision in bytes
[].revision.id	String	Id of the revision
[].revision.isLastRevision	Boolean	Current revision flag
[].revision.mediaType	String	Media type of the revision
[].revision.modifiedDate	String	Modification date of the revision
[].revision.title	String	Title for the revision
[].revision.ownerId	String	The file owner id
[].revision.ownerLogin	String	Login of the file's owner
[].revision.ownerEmail	String	Email of the file's owner
[].revision.ownerFirstName	String	First name of the file's owner
[].revision.ownerLastName	String	Last name of the file's owner
[].revision.ownerMiddleName	String	Middle name of the file's owner
[].revision.creatorId	String	Revision creator id
[].revision.creatorLogin	String	Login of revision's creator
[].revision.creatorEmail	String	Email of revision's creator
[].revision.creatorFirstName	String	First name of revision's creator
[].revision.creatorMiddleName	String	Middle name of revision's creator
[].revision.creatorLastName	String	Last name of revision's creator
[].revision.pinned	Boolean	Mark to not auto delete revision
[].revision.creatorIsDeleted	Boolean	Mark creator is deleted
[].revision.ownerIsDeleted	Boolean	Mark owner is deleted
[].revision.ownerAvatar	String	Owner avatar
[].revision.creatorAvatar	String	Creator avatar
[].links[].rel	String	Link type

Path	Type	Description
[].links[].href	String	Link reference

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189407886/revisions' -i -X  
GET \  
-H 'X-co-auth-token: a38df30283b5386308cb9305fc944661'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 54344a4e49675244365136536378306f  
X-WOPI-Correlationid: 54344a4e49675244365136536378306f  
Content-Type:  
application/vnd.ncloudtech.cloudoffice.revisionlist+json;v=1;charset=UTF-  
8  
Content-Length: 1077  
  
[ {  
  "revision" : {  
    "id" : "189407887",  
    "fileSize" : "20",  
    "creatorId" : "5177189d266a4862ad93b1cda2f5ac2b",  
    "creatorFirstName" : "a",  
    "creatorLastName" : "s",  
    "creatorMiddleName" : "d",  
    "creatorLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",  
    "creatorEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",  
    "isLastRevision" : false,  
    "mediaType" : "text/plain",  
    "ownerId" : "5177189d266a4862ad93b1cda2f5ac2b",  
    "ownerFirstName" : "a",  
    "ownerLastName" : "s",  
    "ownerMiddleName" : "d",  
    "ownerLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",  
    "ownerEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",  
    "title" : "",  
    "createdDate" : "2022-04-06T16:01:55.000Z",  
    "modifiedDate" : "2022-04-06T16:01:55.000Z",  
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",  
    "pinned" : true,  
    "creatorIsDeleted" : false,  
    "ownerIsDeleted" : false  
  },  
}
```

```
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189407887"
} ]
}, {
  "revision" : {
    "id" : "189408194",
    "fileSize" : "20",
    "creatorId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "a",
    "creatorLastName" : "s",
    "creatorMiddleName" : "f",
    "creatorLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "creatorEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "isLastRevision" : true,
    "mediaType" : "text/plain",
    "ownerId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerFirstName" : "a",
    "ownerLastName" : "s",
    "ownerMiddleName" : "d",
    "ownerLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "ownerEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "title" : "testfile.txt",
    "createdDate" : "2022-04-06T16:01:56.000Z",
    "modifiedDate" : "2022-04-06T16:01:56.000Z",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "pinned" : true,
    "creatorIsDeleted" : false,
    "ownerIsDeleted" : false,
    "ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
    "creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189408194"
  } ]
} ]
```

7.44 Get revision content

A request to get revision content.

```
GET /api/v1/files/{fileId}/revisions/{revId}/content
```

Path parameters

Parameter	Description
fileId	Id of a file
revId	Id of a revision

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189345396/revisions/189345704/content' -i -X GET \ -H 'X-co-auth-token: e9a17b0f2bd8885ea0898a3e0dc8d2d5'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 665344356e313159593662466737384b
X-WOPI-Correlationid: 665344356e313159593662466737384b
Content-Type: text/plain
Content-Length: 20

[some example content]
```

7.45 Create new revision



[Since 2017.02]

A request to create new revision based on current version.

```
POST /api/v1/files/{fileId}/revisions/create
```

Path parameters

Parameter	Description
fileId	Id of a file

Request parameters

Parameter	Description
title	Revision title

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189363765/versions/create?title=SampleTitle' -i -X POST \
  -H 'X-co-auth-token: 0d51fd8f506d0e917e988ce633859458' \
  -H 'Content-Type: application/x-www-form-urlencoded'
```

Example response

```
HTTP/1.1 202 Accepted
X-co-request-id: 3576526e506e57417961353976516a31
X-WOPI-Correlationid: 3576526e506e57417961353976516a31
```

7.46 Delete revision



[Since 2017.02]

A request to delete file's revision. It's impossible to remove a revision of a file opened for collaboration.

```
DELETE /api/v1/files/{fileId}/versions/{revId}
```

Path parameters

Parameter	Description
fileId	Id of a file
revId	Id of a revision

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189387417/versions/189387727' -i -X
DELETE \
  -H 'X-co-auth-token: e938ba0fa10bd53f56e11ce86d355a7d'
```

Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 4e4d794444393838666b714b53474a55
X-WOPI-Correlationid: 4e4d794444393838666b714b53474a55
```

7.47 Restore revision



[Since 2017.02]

A request to restore file's revision. Specified revision will be copied to a new revision. It's impossible to restore a revision of a file opened for collaboration.

```
POST /api/v1/files/{fileId}/revisions/{revId}/restore
```

Path parameters

Parameter	Description
fileId	Id of a file
revId	Id of a revision

Response structure

Path	Type	Description
revision	Object	Revision object
links[]	Array	Common hypermedia links
revision.checksum	String	An MD5 checksum for the content of the revision
revision.createdDate	String	Creation date of the revision
revision.fileSize	String	Size of the revision in bytes
revision.id	String	Id of the revision
revision.isLastRevision	Boolean	Current revision flag
revision.mediaType	String	Media type of the revision
revision.modifiedDate	String	Modification date of the revision
revision.title	String	Title for the revision
revision.ownerId	String	The file owner id
revision.ownerLogin	String	Login of file's owner
revision.ownerEmail	String	Email of file's owner
revision.ownerFirstName	String	First name of file's owner
revision.ownerLastName	String	Last name of file's owner
revision.ownerMiddleName	String	Middle name of file's owner
revision.creatorId	String	Revision creator id
revision.creatorLogin		Login of revision's creator

revision.creatorEmail	String	Email of revision's creator
revision.creatorFirstName	String	First name of revision's creator
revision.creatorMiddleName	String	Middle name of revision's creator
revision.creatorLastName	String	Last name of revision's creator
revision.pinned	Boolean	Mark to not auto delete revision
revision.creatorIsDeleted	Boolean	Mark creator is deleted
revision.ownerIsDeleted	Boolean	Mark owner is deleted
revision.ownerAvatar	String	Owner avatar
revision.creatorAvatar	String	Creator avatar
links[].rel	String	Link type
links[].href	String	Link reference

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189402868/versions/189403176/restore
?title=SampleTitle' -i -X POST \
  -H 'X-co-auth-token: 1458fab4ac8b58fdf542e89aa8433c28' \
  -H 'Content-Type: application/x-www-form-urlencoded'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 49787357424349315548723656563678
X-WOPI-Correlationid: 49787357424349315548723656563678
Content-Type: application/json
Content-Length: 1208

{
  "revision" : {
    "id" : "189403499",
    "fileSize" : "20",
    "creatorId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "a",
    "creatorLastName" : "s",
    "creatorMiddleName" : "d",
    "creatorLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "creatorEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
    "isLastRevision" : true,
    "mediaType" : "text/plain",
    "ownerId" : "5177189d266a4862ad93b1cda2f5ac2b",
```

```
"ownerFirstName" : "a",
"ownerLastName" : "s",
"ownerMiddleName" : "d",
"ownerLogin" : "testsrvdocs@srv-one.tacos.devoffice.ru",
"ownerEmail" : "testsrvdocs@srv-one.tacos.devoffice.ru",
"title" : "SampleTitle",
"createdDate" : "2022-04-06T16:01:14.000Z",
"modifiedDate" : "2022-04-06T16:01:14.000Z",
"checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
"pinned" : false,
"creatorIsDeleted" : false,
"ownerIsDeleted" : false,
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049"
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189403499"
} ]
}
```

7.48 Create new file from revision



[Since 2017.02]

A request to create a new file based on specified revision.

```
POST /api/v1/files/{fileId}/revisions/{revId}/newFile
```

Path parameters

Parameter	Description
fileId	Id of a file
revId	Id of a revision

Request parameters

Parameter	Description
folderId	Target folder id
conflictStrategy	Conflict resolution strategy (keep_both overwrite versioned)
filename	Filename for created file
timezoneOffsetMins	Timezone to be used during the conversion process

[Since 2017.03] (For prerender regeneration)

Response structure

Path	Type	Description
file	Object	File object metadata
links	Array	Array of links to file object. See File Links
file.id	String	The ID of the file
file.filename	String	The name of the file
file.mediaType	String	The media type of the file
file.createdDate	Date	Create time for this file (formatted ISO8601 timestamp)
file.fileSize	Number	The size of the file in bytes
file.lastModifyingUserId	String	The ID of the user who last modified the file
file.lastModifyingUserFsId	String	The FS ID of the user who last modified the file
file.lastModifyingUserFirstName	String	The first name of the user who last modified the file
file.lastModifyingUserMiddleName	String	The middle name of the user who last modified the file
file.lastModifyingUserLastName	String	The last name of the user who last modified the file
file.modifiedByMeDate	Date	Last time this file was modified by the user (formatted RFC 3339 timestamp)
file.autoCreationRevisions	Boolean	Should new version of file be created automatically during collaboration
file.lastViewedByMeDate	Date	Last time this file was viewed by the user (formatted RFC 3339 timestamp)
file.sharedWithMeDate	Date	Time at which this file was shared with the user (formatted RFC 3339 timestamp)
file.modifiedDate	Date	Last time this file was modified by anyone (formatted RFC 3339 timestamp)
file.parentId	String	The parent folder (parentReferenceId) which contains this file. The root has no parent
file.creator	String	The original creator (userId) of this file
file.creatorFsId	String	The FS ID of the user who create the file
file.creatorFirstName	String	The first name of the user who create the file
file.creatorMiddleName	String	The middle name of the user who create the file
file.creatorLastName	String	The last name of the user who create the file
file.properties	Array	The list of file's properties

Path	Type	Description
file.checksum	String	An MD5 checksum for the content of this file
file.headRevisionId	String	The ID of the file's head (last) revision
file.isVersion	Boolean	The file is version or not
file.prerender	String	The id of prerendered file
file.preview	String	The id of preview file
file.previewFailureMark	Date	Flag to show unix time of unsuccessful preview generation
file.ownerId	String	The owner (userId) of this file
file.etag	String	ETag (HTTP Entity Tag) of the file
file.ownerFsId	String	The owner (userId) of this file
file.publicLinkId	String	Public link id. [Since 2021.03]
file.tree	String	Absolute path to this file for current user. Set of parent's names and name of the file
file.ownerFirstName	String	The owner first name of this file
file.ownerLastName	String	The owner last name of this file
file.ownerMiddleName	String	The owner middle name of this file
file.totalSize	Number	Total size of all file's versions
file.currentRevisionObject	Object	Current revision object. See Get file revision
file.previewClientVersion	String	Version of preview client that generated preview
file.specialDir	String	Type of special folder, if present
file.originalFileIdOpt	String	Exist only for version and contained file id
file.creatorIsDeleted	Boolean	Show that creator is deleted
file.editorIsDeleted	Boolean	Show that editor is deleted
file.ownerIsDeleted	Boolean	Show that owner is deleted
file.ownerAvatar	String	Owner avatar
file.creatorAvatar	String	Creator avatar
file.editorAvatar	String	Editor avatar
file.properties[.].id	String	The file's property id
file.properties[.].key	String	The file's property key
file.properties[.].value	String	The file's property value
links[.].rel	String	Link type
links[.].href	String	Link reference

Example request

```
$ curl
'http://localhost:8080/api/v1/files/189327754/revisions/189328052/newFile
' -i -X POST \
  -H 'X-co-auth-token: e2d5dafebd68b1a0234754dbf48ef21f' \
  -H 'Content-Type: application/x-www-form-urlencoded'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 5863674a53526963584a32674d483241
X-WOPI-Correlationid: 5863674a53526963584a32674d483241
Content-Type: application/json
Content-Length: 1498

{
  "file" : {
    "id" : "189328549",
    "createdDate" : "2022-04-06T15:55:02.000Z",
    "creator" : "testsrvdocs@tacos.devoffice.ru",
    "creatorFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "creatorFirstName" : "r",
    "creatorLastName" : "t",
    "creatorMiddleName" : "d",
    "fileSize" : "20",
    "filename" : "testfile.txt",
    "headRevisionId" : "189328550",
    "lastModifyingUserId" : "testsrvdocs@tacos.devoffice.ru",
    "lastModifyingUserFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "lastModifyingUserFirstName" : "r",
    "lastModifyingUserLastName" : "t",
    "lastModifyingUserMiddleName" : "d",
    "mediaType" : "text/plain",
    "modifiedByMeDate" : "2022-04-06T15:55:02.000Z",
    "modifiedDate" : "2022-04-06T15:55:02.000Z",
    "ownerFsId" : "5177189d266a4862ad93b1cda2f5ac2b",
    "ownerId" : "testsrvdocs@tacos.devoffice.ru",
    "parentId" : "189327645",
    "properties" : [ ],
    "totalSize" : "20",
    "checksum" : "e0e102b9ff40785fac8902d8bcbf2279",
    "tree" : "/docs-test-createNewFileFromRevisionExample()-
lmEXDUEOxn/New Folder/testfile.txt",
    "ownerFirstName" : "r",
    "ownerLastName" : "t",
```

```
"ownerMiddleName" : "d",
"isVersion" : false,
"creatorIsDeleted" : false,
"editorIsDeleted" : false,
"ownerIsDeleted" : false,
"ownerAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"creatorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
"editorAvatar" : "a00bbb30-993e-4632-925f-152939195049",
},
"links" : [ {
  "rel" : "self",
  "href" : "http://localhost:8080/api/v1/files/189328549"
}, {
  "rel" : "download",
  "href" : "http://localhost:8080/api/v1/files/189328549/content"
}, {
  "rel" : "import",
  "href" : "http://localhost:8080/api/v1/files/189328549/import"
}, {
  "rel" : "preview",
  "href" : "http://localhost:8080/api/v1/files/189328549/preview"
}, {
  "rel" : "link",
  "href" : "http://localhost:8080/link/189328549"
} ]
}
```

7.49 Get file owner info



[Since 2017.03]

A request to get file owner info for same tenant user.

```
GET /api/v1/files/{fileId}/owner HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Response structure

```
{
  "email" : "testsrvdocs@tacos.devoffice.ru",
}
```



```
"id" : "5177189d266a4862ad93b1cda2f5ac2b",
"isInTrash" : false,
"locale" : "en-US",
"login" : "testsrvdocs@tacos.devoffice.ru",
"mediaType" : "text/plain",
"name" : "r t"
}
```

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189380514/owner' -i -X GET \
-H 'X-co-auth-token: 1663c133ced23b9ca33dfde2b1022f8a'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 776d324b7a73656e334f787767585669
X-WOPI-Correlationid: 776d324b7a73656e334f787767585669
Content-Type: application/json
Content-Length: 268

{
  "email" : "testsrvdocs@tacos.devoffice.ru",
  "id" : "5177189d266a4862ad93b1cda2f5ac2b",
  "isInTrash" : false,
  "locale" : "en-US",
  "login" : "testsrvdocs@tacos.devoffice.ru",
  "mediaType" : "text/plain",
  "name" : "r t"
}
```

7.50 Get file's content

Get file content with inline disposition.



[Since 2019.01]

```
GET /api/v1/files/{fileId}/view HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189392086/view' -i -X GET \  
-H 'X-co-auth-token: 07b129496c0aa6bcc611c88a4c049f7f'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 4750746f677345583430355153554978  
X-WOPI-Correlationid: 4750746f677345583430355153554978  
Content-Disposition: inline  
Content-Type: text/plain  
Content-Length: 20  
  
[ content of the response is skipped ]
```

7.51 File collaboration info



[Since 2017.03]

Check if file is opened on DU.

```
GET /api/v1/files/{fileId}/isOpened HTTP/1.1
```

Path parameters

Parameter	Description
fileId	Id of a file

Example request

```
$ curl 'http://localhost:8080/api/v1/files/notopened/isOpened' -i -X  
GET \  
-H 'X-co-auth-token: 105bae1c7114555008fd27d53306f1a8'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 575349334739746c6a4148734b335847  
X-WOPI-Correlationid: 575349334739746c6a4148734b335847  
Content-Type: application/json  
Content-Length: 5
```

```
false
```

7.52 List recently opened files

```
GET /api/v1/files/recent HTTP/1.1
```

Request parameters

Parameter	Description
applicationName	Application name is used to filter recent files by their media type. If not specified, all files will be returned.

Example request

```
$ curl  
'http://localhost:8080/api/v1/files/recent?applicationName=document' -i  
-X GET \  
-H 'X-co-auth-token: e3252b22ac5aefe5b0082a33c8764836'
```

Example response

```
[ {  
  "file" : {  
    "id" : "03221g9u33fVDWSd1bU",  
    "createdDate" : "2018-05-11T13:45:30.000Z",  
    "creator" : "docs@32-2-t5.devoffice.ru",  
    "fileSize" : "7118",  
    "filename" : "Новый документ (2).xodt",  
    "headRevisionId" : "03221g9u33fXAeTgdp6",  
    "lastViewedByMeDate" : "2018-05-11T13:45:44.000Z",  
    "mediaType" : "application/vnd.collabio.xodocuments.document",  
    "modifiedByMeDate" : "2018-05-11T13:45:30.000Z",  
    "modifiedDate" : "2018-05-11T13:45:30.000Z",  
    "ownerFsId" : "U3221hwoVw9BpMzlnrr",  
    "ownerId" : "docs@32-2-t5.devoffice.ru",  
    "parentId" : "03221hwoVw9Cr9mGBJ1",  
    "properties" : [ ],  
    "totalSize" : "7118",  
    "checksum" : "494f4d2af7eacf85ea43500c75482ada",  
    "ownerFirstName" : "Doc",  
    "autoCreationRevisions" : true,  
    "ownerLastName" : "Documentator"  
  },  
  "links" : [ {
```

```
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/O3221g9u33fVDWSd1bU"
  }, {
    "rel" : "edit",
    "href" : "http://localhost:8080/edit/O3221g9u33fVDWSd1bU"
  }, {
    "rel" : "export",
    "href" :
"http://localhost:8080/api/v1/files/O3221g9u33fVDWSd1bU/export"
  }, {
    "rel" : "prerender",
    "href" :
"http://localhost:8080/api/v1/files/O3221g9u33fVDWSd1bU/prerender"
  }, {
    "rel" : "link",
    "href" : "http://localhost:8080/link/O3221g9u33fVDWSd1bU"
  } ]
}, {
  "file" : {
    "id" : "O3221g9u31ZepfGyd3Q",
    "createdDate" : "2018-05-11T13:45:11.000Z",
    "creator" : "docs@32-2-t5.devoffice.ru",
    "fileSize" : "7118",
    "filename" : "Новый документ.xodt",
    "headRevisionId" : "O3221g9u31Zhc7cvFoq",
    "lastViewedByMeDate" : "2018-05-11T13:45:17.000Z",
    "mediaType" : "application/vnd.collabio.xodocuments.document",
    "modifiedByMeDate" : "2018-05-11T13:45:11.000Z",
    "modifiedDate" : "2018-05-11T13:45:11.000Z",
    "ownerFsId" : "U3221hwoVw9BpMzlnrr",
    "ownerId" : "docs@32-2-t5.devoffice.ru",
    "parentId" : "O3221hwoVw9Cr9mGBJ1",
    "properties" : [ ],
    "totalSize" : "7118",
    "checksum" : "494f4d2af7eacf85ea43500c75482ada",
    "ownerFirstName" : "Doc",
    "ownerLastName" : "Documentator"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/O3221g9u31ZepfGyd3Q"
  }, {
    "rel" : "edit",
    "href" : "http://localhost:8080/edit/O3221g9u31ZepfGyd3Q"
  }, {
    "rel" : "export",
```

```
    "href" :  
"http://localhost:8080/api/v1/files/03221g9u31ZepfGyd3Q/export"  
  }, {  
    "rel" : "prerender",  
    "href" :  
"http://localhost:8080/api/v1/files/03221g9u31ZepfGyd3Q/prerender"  
  }, {  
    "rel" : "link",  
    "href" : "http://localhost:8080/link/03221g9u31ZepfGyd3Q"  
  } ]  
} ]
```

7.53 Generate additional (hidden) files

Send command to generate additional (hidden) files.

```
POST /api/v1/queues/generate HTTP/1.1
```

Request parameters

Parameter	Description
fileId	Source file id for processing
fsToken	Current user's FS token
fsLogin	Current user's FS login
command	Convert operation
timezoneOffsetMins	Timezone to be used during the conversion process.

Example request

```
$ curl 'http://localhost:8080/api/v1/queues/generate' -i -X POST \  
  -H 'X-co-auth-token: 58e338d091f1f18b277ea26f7655d901' \  
  -d  
'fileId=189351038&fsToken=722be6187de1abbc216fea9340e76fbd&fsLogin=testsr  
vdocs%40tacos.devoffice.ru&command=preview'
```

Example response

```
HTTP/1.1 204 No Content  
X-co-request-id: 4b4d48444f4652456b41335237463650  
X-WOPI-Correlationid: 4b4d48444f4652456b41335237463650
```

7.54 Create new public link



[Since 2021.03]

A request to create new public link for the file with desired ttl.

```
POST /api/v1/files/{fileId}/public HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.

Request fields

Path	Type	Description
ttlSec	Number	Time to live of the public link
password	String	Password for the public link
isCorporate	Boolean	Flag that public link is corporate
type	PublikLinkType	Type of public link main or mail

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189418715/public' -i -X POST \
\
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: 4eb317e6cf28d7081415de717006cc20' \
  -d '{
  "ttlSec" : 3600,
  "password" : "Passw0rd!",
  "isCorporate" : false,
  "type" : "main"
}'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 48355867527a6b676f6c4a466a503076
X-WOPI-Correlationid: 48355867527a6b676f6c4a466a503076
Content-Type:
application/vnd.ncloudtech.cloudoffice.publiclink+json;v=1;charset=UTF-8
Content-Length: 245
```

```
{
  "url" : "http://localhost:8080/public/dbel130bf-ad3f-4ba4-9220-068e34757553",
  "password" : "Passw0rd!",
  "uid" : "dbel130bf-ad3f-4ba4-9220-068e34757553",
  "startTime" : "2022-04-06T16:02:43.000Z",
  "endTime" : "2022-04-06T17:02:43.000Z",
  "type" : "main"
}
```

7.55 Get file public links



[Since 2021.03]

A request to get a list of the existing public links to an object.

```
GET /api/v1/files/{fileId}/public HTTP/1.1
```

Response structure

Path	Type	Description
[].url	String	The URL of the public link
[].startTime	Date	The time of creation of the public link
[].endTime	Date	The time of ending life of the public link
[].uid	String	The UID of the public link
[].password	String	Password of the public link
[].unlockingTime	Date	The time of ending lock of the public link
[].type	PublicLinkType	Type of public link main or mail
[].authorFirstName	String	First name of public link's creator
[].authorLastName	String	Last name of public link's creator
[].authorMiddleName	String	Middle name of public link's creator

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189366484/public' -i -X GET \
-H 'X-co-auth-token: 287e2c9b5ad3f9325238a96b63733af2'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 6f79454d37466b687a6b38584e4c4631
X-WOPI-Correlationid: 6f79454d37466b687a6b38584e4c4631
Content-Type:
application/vnd.ncloudtech.cloudoffice.publiclinklist+json;v=1;charset=UTF-8
Content-Length: 298

[ {
  "url" : "http://localhost:8080/public/77435ff8-d307-4efb-a4f7-a09b2ef12039",
  "uid" : "77435ff8-d307-4efb-a4f7-a09b2ef12039",
  "startTime" : "2022-04-06T15:58:15.000Z",
  "type" : "main",
  "authorFirstName" : "a",
  "authorLastName" : "s",
  "authorMiddleName" : "d"
} ]
```

7.56 Delete file public link



[Since 2021.03]

A request to delete the public link.

```
DELETE /api/v1/files/{fileId}/public HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The Id of the file.
linkUid	The UID of the link for the file.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/189349742/public/ac2b3818-0236-41cb-a79f-70bf1710b66b' -i -X DELETE \
-H 'X-co-auth-token: 9e1cd05bec0629f562afb5f66ab45c36'
```


Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 484b764272304f686349724d666c5555
X-WOPI-Correlationid: 484b764272304f686349724d666c5555
```

7.57 Get file public link's properties



[Since 2021.03]

A request to get the publicly shared file's properties (limited set).

```
GET /api/v1/public/{linkUid} HTTP/1.1
```

Path parameters

Parameter	Description
linkUid	The UID of the link for the file

Response structure

Path	Type	Description
file	Object	File object metadata
links	Array	Array of links to file object. See File Links
file.id	String	The ID of the file
file.filename	String	The name of the file
file.mediaType	String	The media type of the file
file.publicLink	Object	The public link properties of the file
file.fileSize	String	The size of the file in bytes
file.modifiedDate	Date	Last time this file was modified by anyone (formatted RFC 3339 timestamp)
file.properties	Array	The list of file's properties
file.publicLinkId	String	Public link id. [Since 2021.03]
file.totalSize	String	Total size of all file's versions
file.createdDate	Date	Create time for this file (formatted ISO8601 timestamp)
file.properties[.].id	String	The file's property id
file.properties[.].key	String	The file's property key

Path	Type	Description
file.properties[].value	String	The file's property value
file.publicLink.type	String	Type of public links
links[].rel	String	Link type
links[].href	String	Link reference

Example request

```
$ curl 'http://localhost:8080/api/v1/public/ade7d543-19b8-40cd-8ded-0939007231be' -i -X GET \  
-H 'X-co-auth-token: 6a0733488f9fd5b4754b7744e85391bd'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 4b646f437364353974686c4858633971  
X-WOPI-Correlationid: 4b646f437364353974686c4858633971  
Content-Type:  
application/vnd.ncloudtech.cloudoffice.file+json;v=1; charset=UTF-8  
Content-Length: 1181  
  
{  
  "file" : {  
    "id" : "189355212",  
    "mediaType" : "text/plain",  
    "publicLink" : {  
      "type" : "main"  
    },  
    "filename" : "testfile.txt",  
    "properties" : [{  
      "id" : "link-with-password",  
      "key" : "link-with-password",  
      "value" : "true"  
    }, {  
      "id" : "shared-by-link",  
      "key" : "shared-by-link",  
      "value" : "true"  
    } ],  
    "publicLinkId" : "56766537657356756-f43645",  
    "fileSize" : "20",  
    "totalSize" : "20",  
    "modifiedDate" : "2024-01-28T22:01:14.00Z",  
    "createdDate" : "2024-01-28T22:01:14.00Z",
```

```
"links" : [ {  
  "rel" : "self",  
  "href" : "http://localhost:8080/api/v1/public/ade7d543-19b8-40cd-  
8ded-0939007231be"  
}, {  
  "rel" : "preview",  
  "href" : "http://localhost:8080/api/v1/public/ade7d543-19b8-40cd-  
8ded-0939007231be/preview"  
} ]  
}
```

7.58 Get file's content by link



[Since 2021.03]

A request to get file content by the public link.

```
GET /api/v1/public/{linkUid}/content HTTP/1.1
```

Path parameters

Parameter	Description
linkUid	The UID of the link for the file.

Example request

```
$ curl 'http://localhost:8080/api/v1/public/b2e5947d-b3fb-4a07-ba37-  
fc0236a31df3/content?accessToken=hjdivzoeylmnutdziizjxsduhhwugh' -i -X  
GET \  
  -H 'X-co-auth-token: 8e8a2cd607788b22765b3bc3409dbb90' \  
  -H 'If-None-Match: b2e5947d-b3fb-4a07-ba37-fc0236a31df3'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 506734466131427175447930366d6548  
X-WOPI-Correlationid: 506734466131427175447930366d6548  
Content-Disposition: attachment; filename*=UTF-8''testfile.txt  
Content-Length: 20  
Content-Type: text/plain  
  
[ content of the response is skipped ]
```

7.59 Get file preview's content by link



[Since 2021.03]

A request to get file preview's content by the public link.

```
GET /api/v1/public/{linkUid}/preview HTTP/1.1
```

Path parameters

Parameter	Description
linkUid	The UID of the link for the file.

Example request

```
$ curl 'http://localhost:8080/api/v1/public/b2e5947d-b3fb-4a07-ba37-fc0236a31df3/content?accessToken=hjdivzoeylmnutdziizjxsduhhwugh' -i -X GET \
-H 'X-co-auth-token: 8e8a2cd607788b22765b3bc3409dbb90' \
-H 'If-None-Match: b2e5947d-b3fb-4a07-ba37-fc0236a31df3'
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 506734466131427175447930366d6548
X-WOPI-Correlationid: 506734466131427175447930366d6548
Content-Disposition: attachment; filename*=UTF-8''testfile.txt
Content-Length: 20
Content-Type: text/plain

[ content of the response is skipped ]
```

7.60 Get access token by link



[Since 2021.03]

A request to get access token by the public link.

```
POST /api/v1/public/{linkUid}/access HTTP/1.1
```

Path parameters

Parameter	Description
linkUid	The UID of the link for the file.

Request parameters

Path	Type	Description
password	String	Password for the public link

Example request

```
$ curl 'http://localhost:8080/api/v1/public/afd6fec0-8647-4fb3-89e4-82116edc1822/access' -i -X POST \  
  -H 'Content-Type: application/json' \  
  -H 'X-co-auth-token: 17281326cbce235f64eaccfd5486ab60' \  
  -d '{  
    "password" : "AcsdH76-n"  
  }'
```

Example response

```
HTTP/1.1 200 OK  
X-co-request-id: 45755458425a714d474877374c4a7778  
X-WOPI-Correlationid: 45755458425a714d474877374c4a7778  
Content-Type:  
application/vnd.ncloudtech.cloudoffice.file+json;v=1; charset=UTF-8  
Content-Length: 56  
  
{  
  "accessToken" : "oksepzuxmjlmldnkkwauegjcemyxcekn"  
}
```

7.61 Check access token for link



[Since 2022.01]

Head request to check access token for the public link.

```
HEAD /api/v1/public/{linkUid}/access HTTP/1.1
```

Path parameters

Parameter	Description
linkUid	The UID of the link for the file.

Request parameters

Parameter	Description
accessToken	The access token for file

Example request

```
$ curl 'http://localhost:8080/api/v1/public/4c411ee2-aa85-4653-alf1-88d574863b6d/access?accessToken=yfbtqkiglayczkzswdjldatzjwjdmepn' -i -X HEAD \
-H 'X-co-auth-token: a3d5ec5e796a781bb21dc3ba5cd529fd' \
-H 'Content-Type: application/x-www-form-urlencoded'
```

Example response for invalid token request

```
HTTP/1.1 403 Forbidden
X-co-request-id: 4a71534a7a4a6e497535414658384231
X-WOPI-Correlationid: 4a71534a7a4a6e497535414658384231
Content-Type: application/json
Content-Length: 89
{
  "code" : "srv_err_file_access_denied",
  "message" : "SrvFileAccessDeniedException ",
}
```

Example body for invalid token request

```
{
  "code" : "srv_err_file_access_denied",
  "message" : "SrvFileAccessDeniedException ",
}
```

7.62 Export with conversion or print file by public link



[Since 2021.04]

A request to export with conversion or print file public link.

```
POST /api/v1/public/{linkUid}/syncExport HTTP/1.1
```

Path parameters

Parameter	Description
linkUid	The UID of the link.

Request parameters

Parameter	Description
mediaType	Target Media type.
download	The mark to so set content disposition, true = inline, false=attach
accessToken	The access token for file
locale	Locale
timezoneOffsetMins	Time zone in minutes, if missed will be set as 0

Example request

```
$ curl 'http://localhost:8080/api/v1/public/c0ffdde3-ac97-4c78-ab5c-e929fca5c5de/syncExport' -i -X POST \  
  -H 'X-co-auth-token: b4dc56dea9050a9dc22a37f7b20c9ffc' \  
  -H 'Content-type: application/x-www-form-urlencoded'
```

Example response headers

```
HTTP/1.1 200 OK  
X-co-request-id: 306f344a477535665a566e7957493267  
X-WOPI-Correlationid: 306f344a477535665a566e7957493267  
Content-Disposition: inline  
ETag: W/"e0e102b9ff40785fac8902d8bcbf2279"  
Content-Type: application/pdf  
Content-Length: 31921  
  
[ content of the response is skipped ]
```

7.63 Get the list of nested files by UID



[Since 2021.04]

A request to get nested files by public link.

```
POST /api/v1/public/{linkUid}/children HTTP/1.1
```

Path parameters

Parameter	Description
linkUid	The UID of the link.

Request parameters

Parameter	Description
accessToken	The access token for folder
q	Urlencoded query json object. See Query object structure .
withHasSubFolder	If flag is true, send hasChildFolders property in response for every child. By default is true. hasChildFolders is true when file has sub folder(s), otherwise false

Example request

```
$ curl 'http://localhost:8080/api/v1/public/009b3136-6fb8-48cc-8790-f6f641285468/children?q=%7B%22parentId%22%3A%22189399938%22%2C%22searchByContent%22%3Afalse%2C%22searchInShared%22%3Afalse%2C%22searchInCorporate%22%3Afalse%2C%22offset%22%3A-1%2C%22limit%22%3A-1%7D&accessToken=dbewqqrilgjrzwlgmxqvuhjzatnpfgm' -i -X GET \
-H 'X-co-auth-token: bc15c48e79aa57738e09ada6d12166ff'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: 5a357855534349486c4a716451335575
X-WOPI-Correlationid: 5a357855534349486c4a716451335575
Content-Type:
application/vnd.ncloudtech.cloudoffice.filelist+json;v=1;charset=UTF-8
Content-Length: 625

[ content of the response is skipped ]
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 5a357855534349486c4a716451335575
X-WOPI-Correlationid: 5a357855534349486c4a716451335575
Content-Type:
application/vnd.ncloudtech.cloudoffice.filelist+json;v=1;charset=UTF-8
```


Content-Length: 1668

```
[ {
  "file" : {
    "id" : "189400003",
    "mediaType" : "text/plain",
    "filename" : "testfile.txt",
    "properties" : [ ],
    "publicLinkId" : "e0e102-b9ff40-8902d-bf2279",
    "fileSize" : "20",
    "totalSize" : "20",
    "modifiedDate" : "2022-04-06T16:00:47.000Z",
    "createdDate" : "2022-04-06T16:00:47.000Z"
  },
  "links" : [ {
    "rel" : "self",
    "href" : "http://localhost:8080/api/v1/files/189400003"
  }, {
    "rel" : "preview",
    "href" : "http://localhost:8080/api/v1/files/189400003/preview"
  } ]
} ]
```

7.64 Get file content by the public link for folder



[Since 2021.04]

Get file content by the public link for folder.

```
POST /api/v1/public/{linkUid}/{fileId}/content HTTP/1.1
```

Path parameters

Parameter	Description
linkUid	The UID of the link for the folder.
fileId	The file id.

Request parameters

Parameter	Description
accessToken	The access token for file

Example request

```
$ curl 'http://localhost:8080/api/v1/public/fa90864f-305e-4461-b692-b8ce6eba1773/189377641/content?accessToken=wicwfqcfsafgrpwxjbgppgmbhxixwp  
ej' -i -X GET \  
-H 'X-co-auth-token: fde99812fd52fe2b0e1e7ed4bf48f3e5' \  
-H 'If-None-Match: fa90864f-305e-4461-b692-b8ce6eba1773'
```

Example response headers

```
HTTP/1.1 200 OK  
X-co-request-id: 493845366b4e78505130597265386745  
X-WOPI-Correlationid: 493845366b4e78505130597265386745  
Content-Disposition: attachment; filename*=UTF-8''testfile.txt  
Content-Length: 20  
Content-Type: text/plain  
  
[ content of the response is skipped ]
```

7.65 Export the file accessible by the public link to the external type for folder



[Since 2021.04]

A request to export with conversion or print file public link for folder.

```
POST /api/v1/public/{linkUid}/{fileId}/syncExport HTTP/1.1
```

Path parameters

Parameter	Description
linkUid	The UID of the link.
fileId	The id of the file.

Request parameters

Parameter	Description
mediaType	Target Media type.
download	The mark to set content disposition, true = inline, false = attach
accessToken	The access token for file
locale	Locale

Parameter	Description
timezoneOffsetMins	Timezone to be used during the conversion process [Since 2017.03]

Example request

```
$ curl 'http://localhost:8080/api/v1/public/7541ed87-b2c0-4856-8ba3-435f79e60c22/189406752/syncExport' -i -X POST \  
-H 'X-co-auth-token: c6cec2eaa0fb7558fad27d15995d643d' \  
-d '  
'mediaType=application%2Fpdf&download=false&accessToken=wjwjlslsnisoaysgog  
vlccjkzmlsflxa&locale=Ru-ru&timezoneOffsetMins=-180'
```

Example response headers

```
HTTP/1.1 200 OK  
X-co-request-id: 694533504b59436a476f314639445647  
X-WOPI-Correlationid: 694533504b59436a476f314639445647  
Content-Disposition: inline  
ETag: W/"e0e102b9ff40785fac8902d8bcbf2279"  
Content-Type: application/pdf  
Content-Length: 14733  
  
[ content of the response is skipped ]
```

7.66 Get list parent files tree for file by link UID



[Since 2021.04]

Get list parent files tree for file by link UID.

```
POST /api/v1/public/{linkUid}/{fileId}/parents HTTP/1.1
```

Path parameters

Parameter	Description
linkUid	The UID of the link for the folder.
fileId	The file id.

Request parameters

Parameter	Description
accessToken	The access token for file

Example request

```
$ curl 'http://localhost:8080/api/v1/public/2c7d7dcd-b2c9-4e4d-add6-615dbc0f561a/189336250/parents?accessToken=xcgrhtjvnaexntsytshfmqluxpdcekegag' -i -X GET \
-H 'X-co-auth-token: 4c8a83b5f6f01a40211e3487dd870282'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: 6b4c58714f7343504830726662486165
X-WOPI-Correlationid: 6b4c58714f7343504830726662486165
Content-Type:
application/vnd.ncloudtech.cloudoffice.parentlist+json;v=1;charset=UTF-8
Content-Length: 709

[ content of the response is skipped ]
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 6b4c58714f7343504830726662486165
X-WOPI-Correlationid: 6b4c58714f7343504830726662486165
Content-Type:
application/vnd.ncloudtech.cloudoffice.parentlist+json;v=1;charset=UTF-8
Content-Length: 709

[ {
  "parent" : {
    "id" : "189336250",
    "filename" : "testfile.txt"
  },
  "links" : [ {
    "rel" : "file",
    "href" : "http://localhost:8080/api/v1/files/189336250"
  } ]
}, {
  "parent" : {
    "id" : "189336185",
```

```
    "filename" : "New Folder"
  },
  "links" : [ {
    "rel" : "file",
    "href" : "http://localhost:8080/api/v1/files/189336185"
  } ]
}, {
  "parent" : {
    "id" : "189336130",
    "filename" : "New Folder"
  },
  "links" : [ {
    "rel" : "file",
    "href" : "http://localhost:8080/api/v1/files/189336130"
  } ]
} ]
```

7.67 Get preview for file by link UID and file id



[Since 2021.04]

Get preview for file by link UID and file id.

```
POST /api/v1/public/{linkUid}/{fileId}/preview HTTP/1.1
```

Path parameters

Parameter	Description
linkUid	The UID of the link for the folder.
fileId	The file id.

Request parameters

Parameter	Description
accessToken	The access token for file

Example request

```
$ curl 'http://localhost:8080/api/v1/public/6bd93a0a-38a0-48fa-9191-0f3d26254e3b/189412134/preview?accessToken=djsldhrwcquonsguxikofupbxwwcopn' -i -X GET \
-H 'X-co-auth-token: 830044960e0404623cb1eb945a0914d2' \
-H 'If-None-Match: 6bd93a0a-38a0-48fa-9191-0f3d26254e3b'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: 446737634156716d534c6e384f43424a
X-WOPI-Correlationid: 446737634156716d534c6e384f43424a
X-co-web-client-only: true
ETag: W/"e0e102b9ff40785fac8902d8bcbf2279"
Content-Disposition: attachment; filename*=UTF-8''1649260944831.$$.testfile.pdf
Content-Length: 15077
Content-Type: application/pdf

[ content of the response is skipped ]
```

7.68 Put files' ids to temporary store for future zip download by public link and consume json



[Since 2021.04]

Put files' ids to temporary store for future zip download by public link and consume json.

```
POST /api/v1/public/zip HTTP/1.1
```

Example request

```
$ curl 'http://localhost:8080/api/v1/public/zip' -i -X POST \
  -H 'Content-Type: application/json' \
  -H 'X-co-auth-token: cd552625c19ff0db4b4c2e6eb41f14fa' \
  -d '[ "file1", "file2", "file3" ]'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: 4c6866755150534c396a784a65395679
X-WOPI-Correlationid: 4c6866755150534c396a784a65395679
Content-Type: application/json
Content-Length: 54

[ content of the response is skipped ]
```

Example response

```
HTTP/1.1 200 OK
```

```
X-co-request-id: 4c6866755150534c396a784a65395679
X-WOPI-Correlationid: 4c6866755150534c396a784a65395679
Content-Type: application/json
Content-Length: 54

{
  "requestId" : "4f514d65314d5a6b5050317933456c4f"
}
```

7.69 Put files' ids to temporary store for future zip download by public link and consume form



[Since 2021.04]

Put files' ids to temporary store for future zip download by public link and consume form.

```
POST /api/v1/public/zipForm HTTP/1.1
```

Request parameters

Parameter	Description
id	File id's to be included to archive

Example request

```
$ curl 'http://localhost:8080/api/v1/public/zipForm' -i -X POST \
  -H 'X-co-auth-token: 2d4c9e003746e8ab7817397784972488' \
  -d 'id=file1&id=file2&id=file3'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: 32594e763136726565566d65484d6c77
X-WOPI-Correlationid: 32594e763136726565566d65484d6c77
Content-Type: application/json
Content-Length: 54

[ content of the response is skipped ]
```

Example response

```
HTTP/1.1 200 OK
```

```
X-co-request-id: 32594e763136726565566d65484d6c77
X-WOPI-Correlationid: 32594e763136726565566d65484d6c77
Content-Type: application/json
Content-Length: 54

{
  "requestId" : "6744374d564567466e466e6735533879"
}
```

7.70 Put files' ids to temporary store for future zip download by public link and consume form



[Since 2021.04]



[Deprecated 2022.03]

Put files' ids to temporary store for future zip download by public link and consume form.

```
POST /api/v1/public/zip HTTP/1.1
```

Request parameters

Parameter	Description
id	File id's to be included to archive

Example request

```
$ curl 'http://localhost:8080/api/v1/public/zip' -i -X POST \
  -H 'X-co-auth-token: 93edala8e5941cbe32b8b4548a317910' \
  -d 'id=file1&id=file2&id=file3'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: 3576584d566e71655a37386864774c44
X-WOPI-Correlationid: 3576584d566e71655a37386864774c44
X-co-deprecated: true
Content-Type: application/json
Content-Length: 54

[ content of the response is skipped ]
```


Example response

```
HTTP/1.1 200 OK
X-co-request-id: 3576584d566e71655a37386864774c44
X-WOPI-Correlationid: 3576584d566e71655a37386864774c44
X-co-deprecated: true
Content-Type: application/json
Content-Length: 54

{
  "requestId" : "6877335965563945564b41593955694a"
}
```

7.71 Zip files by link UID specified in previous zip request



[Since 2021.04]

Zip files by link UID specified in previous zip request.

```
POST /api/v1/public/{linkUid}/zip/{zipRequestId} HTTP/1.1
```

Path parameters

Parameter	Description
linkUid	The UID of the link for the folder.
zipRequestId	Id of a zip request created before this request

Request parameters

Parameter	Description
accessToken	The access token for file
filename	Result file name. If not specified, default name will be set

Example request

```
$ curl 'http://localhost:8080/api/v1/public/9737bc8e-ac64-4b98-9525-4f12f084f501/zip/6672657276645745504e5a7a54727774?accessToken=ynglvxzfnsnliaiibrcqbubtufqwcgai&filename=newfile.zip' -i -X GET \
-H 'X-co-auth-token: 80516dbeb62b7a3f4728516a8896470c'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: 5148646e667a427873516553516a427a
X-WOPI-Correlationid: 5148646e667a427873516553516a427a
X-co-zip-request-id: 6672657276645745504e5a7a54727774
Content-Disposition: attachment; filename*=UTF-8''newfile.zip
Content-Type: application/zip
Content-Length: 398

[ content of the response is skipped ]
```

Example response

```
HTTP/1.1 200 OK
X-co-request-id: 5148646e667a427873516553516a427a
X-WOPI-Correlationid: 5148646e667a427873516553516a427a
X-co-zip-request-id: 6672657276645745504e5a7a54727774
Content-Disposition: attachment; filename*=UTF-8''newfile.zip
Content-Type: application/zip

Content-Length: 398

[ content of the response is skipped ]
```

7.72 TUS create file upload

A request to create new file upload.



[Since 2022.04]

```
POST /api/v1/files/uploadResumable HTTP/1.1
```

Example request

```
$ curl 'http://localhost:8080/api/v1/files/uploadResumable' -i -X POST \
-H 'X-co-auth-token: d4df686556681a2e31243405cf859d9a' \
-H 'X-FS-Token: f4b2adc9b1926479434d560ca155679c' \
-H 'Tus-Resumable: 1.0.0' \
-H 'Upload-Length: 20' \
-H 'Upload-Metadata: fsToken
ZjRiMmFkYzliMTkyNjQ3OTQzNGQ1NjBjYTE1NTY3OWM=,metaParams
eyJmaWxlbmFtZSI6InRlc3RmaWx1LnR4dCI6Im1lZGhhVHlwZSI6InRleHQvcGxhaW4iLCJ
wYXJlbnRjZCI6Im
```

```
YwZTJhOGI4LTg2NjYtNGRjZC04ODk0LTQzY2IzN2Q1NWQwMCJ9' \  
-H 'metadata:  
{ "filename": "testfile.txt", "mediaType": "text/plain", "parentId": "f0e2a8b  
8-8666-4dcd-  
8894-43cb37d55d00"}' \  
-d 'convert=false&conflictStrategy=keep_both&synchronous=true'
```

Request headers

Parameter	Description
Upload-Metadata	Metadata of upload.
Tus-Resumable	Version of the protocol.
Upload-Length	Indicates the size of the entire upload in bytes.

Response headers

Parameter	Description
Tus-Resumable	Version of the protocol.
Location	Path to load content.

Example response

```
HTTP/1.1 201 Created  
X-co-request-id: 4e4a3241613649357766394b6e355743  
X-WOPI-Correlationid: 4e4a3241613649357766394b6e355743  
Tus-Resumable: 1.0.0  
Location: /api/v1/files/uploadResumable/fbca054e-9052-4110-8d10-  
79e1dccb592f
```

7.73 TUS put file upload

A request to put chunk upload by TUS protocol.



[Since 2022.04]

```
PATCH /api/v1/files/uploadResumable HTTP/1.1
```

Example request

```
PATCH /api/v1/files/uploadResumable/cccdf385-4e46-42c2-846c-  
25f36ed17694 HTTP/1.1
```

```
X-co-auth-token: d4df686556681a2e31243405cf859d9a
X-FS-Token: f4b2adc9b1926479434d560ca155679c
Upload-Length: 20
Tus-Resumable: 1.0.0
Content-Type: application/offset+octet-stream
Upload-Offset: 0
Content-Length: 20
Host: localhost:8080

[some example content]
```

Request headers

Parameter	Description
Tus-Resumable	Version of the protocol.
Upload-Offset	The Upload-Offset request and response header indicates a byte offset within a resource.

Response headers

Parameter	Description
Tus-Resumable	Version of the protocol.
Upload-Expires	Data of upload expires.
Upload-Offset	The Upload-Offset request and response header indicates a byte offset within a resource.

Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 7252434b44327133517a686b56614242
X-WOPI-Correlationid: 7252434b44327133517a686b56614242
Tus-Resumable: 1.0.0
Upload-Offset: 20
Upload-Expires: Sat, 09 Jul 2022 02:43:59 GMT
```

7.74 TUS delete file upload

A request to delete upload by TUS protocol.



[Since 2022.04]

```
DELETE /api/v1/files/uploadResumable HTTP/1.1
```

Example request

```
DELETE /api/v1/files/uploadResumable/f1b7e278-5e22-4ca7-8b42-3e01978faa3d HTTP/1.1
X-co-auth-token: d4df686556681a2e31243405cf859d9a
X-FS-Token: f4b2adc9b1926479434d560ca155679c
X-Tenant-ID: default
Tus-Resumable: 1.0.0
Content-Type: application/offset+octet-stream
Host: localhost:8080
```

Response headers

Parameter	Description
Tus-Resumable	Version of the protocol.

Example response

```
HTTP/1.1 204 No Content
X-co-request-id: 714b5462743177577536646a71435763
X-WOPI-Correlationid: 714b5462743177577536646a71435763
Tus-Resumable: 1.0.0
```

7.74 Get history operations for file

Get history operations for file



[Since 2.3 (November)]

```
GET /api/v1/{fileId}/history HTTP/1.1
```

Path parameters

Parameter	Description
fileId	The ID of the file.
offset	Offset of operations, used for pagination. By default = 0.
limit	Limit of operations, used for pagination. By default = 0.
period	Time period for operations.

Example request

```
$ curl 'http://localhost:8080/api/v1/files/c50b0133-ac62-4a0f-af73-1220eff26a74/history?offset=0&limit=5&period=3600' -i -X GET \
-H 'X-co-auth-token: 66d5a198d7eb4ecc239952bca46248ec'
```

Example response headers

```
HTTP/1.1 200 OK
X-co-request-id: kjjzfkBDUQQ25re3merMp4T0Pup95Xu0
X-WOPI-Correlationid: kjjzfkBDUQQ25re3merMp4T0Pup95Xu0
Content-Type: application/json
Content-Length: 1626

[ content of the response is skipped ]
```

Response fields

Path	Type	Description
[].	Array	Array of HistoryOperation objects.
[].operationTime	String	The time of creation of operation (formatted ISO 8601 timestamp).
[].publicLinkExpirationTime	Data	The time of expiration of the public link (formatted ISO 8601 timestamp).
[].publicLinkBlockedUntilTime	Data	The blocked until time of the public link (formatted ISO 8601 timestamp).
[].historyOperationType	String	Type of history operation.
[].fileName	String	File name.
[].destinationDirId	String	Destination directory id.
[].destinationDirName	String	Destination directory name.
[].oldName	String	Old name of file.
[].isPasswordProtected	Boolean	Mark of password protected.
[].byAdmin	Boolean	Mark of admin operation.
[].userProfile.firstName	String	First name of user
[].userProfile.lastName	String	Last name of user
[].userProfile.middleName	String	Middle name of user
[].userProfile.id	String	Unique identifier of user
[].userProfile.email	String	User email.
[].userProfile.login	String	User login.

Path	Type	Description
[].userProfile.avatarId	String	User avatar id
[].userProfile.isDeleted	Boolean	User is deleted
[].recipient.role	String	The primary role for this user
[].recipient.recipientType	String	Recipient type
[].recipient.groupName	String	Name of the group
[].recipient.userProfile	Object	User profile structure
[].recipient.userProfile.avatarId	String	User avatar Id
[].recipient.userProfile.email	String	User email
[].recipient.userProfile.firstName	String	First name of user
[].recipient.userProfile.isDeleted	String	Flag user is deleted
[].recipient.userProfile.id	String	Unique identifier of user
[].recipient.userProfile.lastName	String	Last name of user
[].recipient.userProfile.login	String	User login
[].recipient.userProfile.middleName	String	Middle name of user

Example response

```

HTTP/1.1 200 OK
X-co-request-id: kjjzfkBDUQQ25re3merMp4T0Pup95Xu0
X-WOPI-Correlationid: e0F4SrBldnyMqVhHsmhBpvQf5SQegqHp
Content-Type: application/json
Content-Length: 1380
[
  {
    "operationTime" : "2022-11-14T11:48:31.000Z",
    "publicLinkExpirationTime" : "2022-11-14T11:48:31.000Z",
    "userProfile" : {
      "avatarId" : "a00bbb30-993e-4632-925f-152939195049",
      "isDeleted" : false,
      "email" : "testsrvdocs@srv-one.tacos.devoffice.ru",
      "firstName" : "testsrvdocs",
      "lastName" : "testsrvdocs",
      "login" : "testsrvdocs@srv-one.tacos.devoffice.ru",
      "middleName" : "",
      "id" : "f904-89D3-A1234"
    },
    "historyOperationType" : "share_object",
    "recipient" : {
      "role" : "editor",

```

```
"recipientType" : "user"
"userProfile" : {
  "avatarId" : " a00bbb30-993e-4632-925f-152939195049",
  "isDeleted" : false,
  "email" : "testsr@srv-one.ta.dev.ru",
  "firstName" : "testsrvdocs2",
  "lastName" : "testsrvdocs2",
  "login" : "testsrvdocs2@srv-one.tacos.devoffice.ru",
  "middleName" : "f",
  "id" : "f904-89D3-A1234"
}
}
},{
"operationTime" : "2022-11-14T11:48:31.000Z",
"userProfile" : {
  "avatarId" : "a00bbb30-993e-4632-925f-152939195049",
  "isDeleted" : false,
  "email" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "firstName" : "testsrvdocs",
  "lastName" : "testsrvdocs",
  "login" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "middle_name" : "",
  "id" : "f904-89D3-A1235"
},
"historyOperationType" : "create_public_link",
"isPasswordProtected" : true
}, {
"operationTime" : "2022-11-14T11:48:30.000Z",
"userProfile" : {
  "avatarId" : "a00bbb30-993e-4632-925f-152939195049",
  "isDeleted" : false,
  "email" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "firstName" : "testsrvdocs",
  "lastName" : "testsrvdocs",
  "login" : "testsrvdocs@srv-one.tacos.devoffice.ru",
  "middleName" : "",
  "id" : "f904-89D3-A1236"
},
"historyOperationType" : "upload_document"
} ]
```


8. Notifications

CO server provides push notifications service intended to notify client about changes made to the cloud file system to perform well-timed user UI update as well as about async file operations results such as import/export, printing etc.

Notifications are sent via the websocket channel and each notification payload contains JSON object with following fields

Field	Description
operation	Name of the performed operation
objectId	ID of the file object
dirId	Source or target folder ID (depends on the file operation)
destDirId	Target folder ID
objectName	Name of the file object
sourceId	ID of the source file used for conversion (may be hidden one)
usedBytes	Used disk space
totalBytes	Total disk space
revisionId	Revision id
email	Email for operation [Since 2018.03]
login	Login of initiator for operation [Since 2019.01]
newId	New file id if it is changed during operation (e.g. move from shared) [Since 2019.03]
time	Time of initiation for operation [Since 2020.01]
requestId	ID of the user initiated operation. Returned in the X-co-request-id header in the response to synchronous API request.
errorCode	SRV error code.
group	For group shared notifications will be true if it is group sharing.
userId	User id for shared notifications. For group shared notifications will contain groupId.
changedValues	Map with changed file properties for FILE_METADATA_CHANGE and FILE_CUSTOM_PROPS_CHANGE (such as fileNameChanged, fileCorrupted).
customProperties	Map with custom file properties.
deletedKeys	List of deleted file properties for FILE_CUSTOM_PROPS_CHANGE.

8.1 Notification payload example

```
{
  "operation": "FILE_ADD",
  "sourceId": "Obox1hwy5pxjgyhPyyX",
  "objectId": "Obox1hwy5pxjgyhPyyX",
  "dirId": "Obox1hvuEKWmp2WifMG",
  "requestId": "28c577c7629546496babbe2a11768b35"
}
```

8.2 Subscribe to the file notifications

```
GET /api/v1/files/subscribe HTTP/1.1

HTTP/1.1 101 Switching Protocols
Upgrade: websocket
Connection: Upgrade
```

8.3 Register specified callback URL for notifications

```
POST /api/v1/notifications/callbacks/register

HTTP/1.1 204 OK
```

Parameters

Parameter	Description
callbackUrl	callback URL to call after notification receive
category	(multiple) Categories to subscribe (not requested will be filtered). Possible values: all/document/file/revision/user/mail

8.4 Unregister specified callback URL from notifications

```
POST /api/v1/notifications/callbacks/unregister

HTTP/1.1 204 OK
```

Parameters

Parameter	Description
callbackUrl	callback URL to call after notification receive

8.5 Send email with specified parameters

```
POST /api/v1/notifications/templates/email
```

```
HTTP/1.1 204 OK
```

Parameters

Parameter	Description
json_params	JSON string with all required parameters

8.6 Send email with feedback

```
POST /api/v1/notifications/templates/feedback
```

Request multipart form data

Part	Description
file	The file to be attached.
json_params	JSON string with subject and text for feedback.

Example request

```
$ curl -i -X POST
'http://localhost:9092/api/v1/notifications/templates/feedback' -H
'content-type: multipart/form-data' -H 'x-co-auth-token:
088a87cad73d50d7cf626b31623b40f7' -F
'json_params={"subject": "333", "description": "111"}' -F "file=@log-
file.txt;type=text/plain"
```

Example response

```
HTTP/1.1 204 No content
Content-Length: 0
```

8.7 Notification add file/folder

Parameter	Description
operation	FILE_ADD
objectId	object id
dirId	target folder id

Parameter	Description
requestId	request id
category	FILE

8.8 Notification file import

Succeeded

Parameter	Description
operation	FILE_ADD_CONVERTED
objectId	object id
sourceId	id of the source file used for conversion (may be hidden one)
dirId	target folder id
requestId	request id
category	FILE

Failed

Parameter	Description
operation	FILE_CONVERSION_ERROR
objectName	file name
objectId	object id
sourceId	id of the source file used for conversion (may be hidden one)
dirId	target folder id
requestId	request id
category	FILE

8.9 Notification file export

Succeeded

Parameter	Description
operation	FILE_EXPORT_COMPLETED
sourceId	source file id
objectId	object id

Parameter	Description
dirId	target folder id
requestId	request id
category	FILE

Failed

Parameter	Description
operation	FILE_EXPORT_ERROR
objectName	file name
sourceId	id of the source file user for conversion (may be hidden one)
objectId	not available
requestId	request id
category	FILE

8.10 Notification file copy

Parameter	Description
operation	FILE_COPY
objectId	object id
dirId	target folder id
requestId	request id
category	FILE

8.11 Notification file move

Parameter	Description
operation	FILE_MOVE
objectId	object id
dirId	source folder id
sourceId	source file id
destDirId	target folder id
requestId	request id
category	FILE

8.12 Notification file id was changed during operation



[Since 2021.01]

Parameter	Description
operation	FILE_ID_CHANGED
objectId	object id
newFileId	new file id
requestId	request id
category	FILE

8.13 Notification file move to Trash

For file owner

Parameter	Description
operation	FILE_TRASH
objectId	object id
dirId	source folder id
requestId	request id
category	FILE

For all shares

Parameter	Description
operation	FILE_UNSHARE
objectId	object id
dirId	source folder id
requestId	request id
category	FILE

8.14 Notification file delete

Parameter	Description
operation	FILE_DELETE
objectId	object id

Parameter	Description
requestId	request id
category	FILE

8.15 Notification metadata changed

For file owner

Parameter	Description
operation	FILE_METADATA_CHANGE
objectId	object id
requestId	request id
category	FILE

For all shares

Parameter	Description
operation	FILE_METADATA_CHANGE_SHARED
objectId	object id
requestId	request id
category	FILE

8.16 Notification file's properties changed

For file owner

Parameter	Description
operation	FILE_METADATA_CHANGE
objectId	object id
requestId	request id
category	FILE

For target user

Parameter	Description
operation	FILE_CUSTOM_PROPS_CHANGE
objectId	object id

Parameter	Description
dirId	object parent id
changedValues	Map of changed values
deletedKeys	List of deleted values
requestId	request id
category	FILE

8.17 Notification file share

For file owner

Parameter	Description
operation	FILE_METADATA_CHANGE
objectId	object id
requestId	request id
category	FILE

For target user

Parameter	Description
operation	FILE_SHARE
objectId	object id
dirId	source folder id
requestId	request id
category	FILE

8.18 Notification file share denied

For file owner

Parameter	Description
operation	FILE_METADATA_CHANGE
objectId	object id
requestId	request id
category	FILE

For target user

Parameter	Description
operation	FILE_UNSHARE
objectId	object id
dirId	source folder id
requestId	request id
category	FILE

8.19 Notification file unshare

For file owner

Parameter	Description
operation	FILE_METADATA_CHANGE
objectId	object id
requestId	request id
category	FILE

For target user

Parameter	Description
operation	FILE_UNSHARE
objectId	object id
dirId	source folder id
requestId	request id
category	FILE

8.20 Notification file unshare by shared user

For shared user

Parameter	Description
operation	FILE_UNSHARE
objectId	object id
dirId	source folder id
requestId	request id

Parameter	Description
category	FILE

For file owner

Parameter	Description
operation	FILE_METADATA_CHANGE
objectId	object id
requestId	request id
category	FILE

8.21 Notification file's permissions changed

Parameter	Description
operation	FILE_SHARE_UPDATE
objectId	object id
newId	new object id, if it is changed during operation [Since 2019.03]
requestId	request id
category	FILE

8.22 Notification file's permissions changed to denied

Parameter	Description
operation	FILE_UNSHARE
objectId	object id
requestId	request id
category	FILE

8.23 File save by DCM failed



[Since 2017.02]

Parameter	Description
operation	FILE_SAVE_ERROR
objectId	object id
requestId	request id

Parameter	Description
revisionId	object revision id [Since 2020.01]
category	FILE,DOCUMENT

8.24 File save by DCM failed due low space



[Since 2021.01]

Parameter	Description
operation	DOCUMENT_LOW_SPACE
objectId	object id
requestId	request id
revisionId	object revision id
category	DOCUMENT

8.25 Notification file send as attachment

Failed

Parameter	Description
operation	FILE_ATTACH_ERROR
objectId	object id
sourceId	id of the source file used for conversion (may be hidden one)
dirId	target folder id
requestId	request id
category	FILE

Attach size exceeded

Parameter	Description
operation	FILE_ATTACH_TOO_BIG
objectId	object id
sourceId	id of the source file used for conversion (may be hidden one)
dirId	target folder id
requestId	request id

Parameter	Description
category	FILE

8.26 Conversion failed

Parameter	Description
operation	FILE_ATTACH_CONVERSION_ERROR
objectName	file name
objectId	object id
sourceId	id of the source file used for conversion (may be hidden one)
dirId	target folder id
requestId	request id
category	FILE

8.27 Notification running low disk space

Parameter	Description
operation	FILE_LOW_SPACE
usedBytes	used disk space
totalBytes	total disk space
category	FILE

8.28 Public link creation



[Since 2021.04]

Parameter	Description
operation	FILE_PUBLIC_LINK_SHARE
objectId	object id
requestId	request id
publicLink	public link object with link uid
category	FILE

8.29 Public link deletion



[Since 2021.04]

Parameter	Description
operation	FILE_PUBLIC_LINK_DELETE
objectId	object id
requestId	request id
publicLink	public link object with link uid
category	FILE

8.30 Notification tenant settings changed



[Since 2022.05]

8.31 For tenant users

Parameter	Description
operation	TENANT_SETTINGS_CHANGED
category	USER

8.31 Notification user profile changed

Parameter	Description
operation	USER_PROFILE_CHANGED
category	USER

8.32 User's token can be expired or invalid

Parameter	Description
operation	AUTH_TOKEN_CAN_BE_EXPIRED
category	USER
userId	user id
login	fs login of user
requestId	request id

8.33 Notification user profile changed



[Since 2017.01]

Parameter	Description
operation	USER_PROFILE_PICTURE_CHANGED
category	USER

8.34 Notification user quota changed



[Since 2016.4]

Parameter	Description
operation	QUOTAS_CHANGED
totalBytes	Total user's file storage space
usedBytes	Used storage space
category	USER

8.35 Notification file restore from trash



[Since 2016.4]

Parameter	Description
operation	FILE_UNTRASH
destDirId	target folder id (parent id) [Since 2017.01]
objectId	restored object id - may differ from source id
dirId	trash folder id [Since 2017.01]
requestId	request id
category	FILE

8.36 Notification max path length reached during zip file creation



[Since 2017.01]

Parameter	Description
operation	ZIP_MAX_PATH_LENGTH_REACHED

Parameter	Description
objectName	file name with long path
requestId	request id
zipRequestId	zip request id [Since 2021.01]
category	FILE

8.37 Notification zip cannot be prepared completely



[Since 2017.04]

Parameter	Description
operation	ZIP_ADD_TO_ARCHIVE_ERROR
objectName	zip file name
requestId	request id
objectId	object id
zipRequestId	zip request id [Since 2021.01]
category	FILE
dirId	object parent's id [Since 2020.02]
mediaType	FILE [Since 2020.02]

8.38 Notification zip prepared completely



[Since 2020.02]

Parameter	Description
operation	ZIP_ADD_SELECTED_SUCCESS
requestId	request id
objectId	object id
zipRequestId	zip request id [Since 2021.01]
category	FILE

8.39 Notification zip prepared with errors

Not every files in the path were added to the archive



[Since 2020.02]

Parameter	Description
operation	ZIP_ADD_SELECTED_WARN
requestId	request id
objectId	selected object id
zipRequestId	zip request id [Since 2021.01]
category	FILE

8.40 Notification file editing state

Document was saved by collaborator (content was changed)



[Since 2017.01]

Parameter	Description
operation	DOCUMENT_SAVE_SUCCEEDED
objectId	object id
dirId	object parent's id
requestId	request id
revisionId	object revision id [Since 2020.01]
category	DOCUMENT

Document ROM representation was saved by DU (content was changed)



[Since 2019.01]

Parameter	Description
operation	DOCUMENT_ROM_SAVE_SUCCEEDED
objectId	object id
dirId	object parent's id
requestId	request id

Parameter	Description
revisionId	object revision id [Since 2020.01]
category	DOCUMENT

Document was opened by collaborator (viewer or editor)



[Since 2017.01]

Parameter	Description
operation	DOCUMENT_OPEN_SUCCEEDED
objectId	object id
dirId	object parent's id
requestId	request id
revisionId	object revision id [Since 2020.01]
category	DOCUMENT

Attempt to open document was unsuccessful



[Since 2017.01]

Parameter	Description
operation	DOCUMENT_OPEN_ERROR
objectId	object id
dirId	object parent's id
requestId	request id
category	DOCUMENT

Document was closed by all collaborators



[Since 2017.01]

Parameter	Description
operation	DOCUMENT_CLOSE_SUCCEEDED
objectId	object id
dirId	object parent's id
requestId	request id

Parameter	Description
category	DOCUMENT

8.41 Notification revisions processing

File revision was added



[Since 2017.02]

Parameter	Description
operation	FILE_REVISION_ADD
objectId	file id
revisionId	new revision id
requestId	request id
category	REVISION

File revision creation failed



[Since 2017.02]

Parameter	Description
operation	FILE_REVISION_ADD_ERROR
objectId	file id
revisionId	new revision id
errorCode	SRV error code
requestId	request id
category	REVISION

File revision was removed



[Since 2017.02]

Parameter	Description
operation	FILE_REVISION_DELETE
objectId	file id
revisionId	revision id

Parameter	Description
requestId	request id
category	REVISION

File revision was updated



[Since 2017.03]

Parameter	Description
operation	FILE_REVISION_UPDATE
objectId	file id
revisionId	revision id
requestId	request id
category	REVISION

8.42 Notification file preview is ready



[Since 2018.01]

Parameter	Description
operation	FILE_PREVIEW_READY
objectId	object id
requestId	request id
category	FILE

8.43 Notification media uploading state

Media upload ended successfully



[Since 2018.01]

Parameter	Description
operation	DOCUMENT_MEDIA_UPLOAD_SUCCEEDED
objectId	object id
sourceId	media id
requestId	request id

Parameter	Description
category	DOCUMENT

Media upload ended with error



[Since 2018.01]

Parameter	Description
operation	DOCUMENT_MEDIA_UPLOAD_ERROR
objectId	object id
sourceId	media id
requestId	request id
category	DOCUMENT

8.44 Notification mail sending state

Mail was sent successfully



[Since 2018.03]

Parameter	Description
operation	MAIL_SENT
objectId	object id
objectName	name of object or recipient (sender smtpToUser)
email	email of recipient (smtpTo address)
sourceId	source object id used for conversion (may be hidden one)
requestId	request id
category	MAIL

Mail was not sent



[Since 2018.03]

Parameter	Description
operation	MAIL_SENT_ERROR
objectId	object id

МойОфис

Parameter	Description
objectName	name of object or recipient (sender smtpToUser)
email	email of recipient (smtpTo address)
sourceId	source object id used for conversion (may be hidden one)
requestId	request id
category	MAIL

9. Document API

9.1 Open document

A request to start new DU in order to open document

```
GET /api/v1/documents/{docId}/subscribe HTTP/1.1
```

Path parameters

Parameter	Description
docId	The ID of the file.

Request parameters

Parameter	Description
timezoneOffsetMins	Timezone to be used during the conversion process.

Example request

```
$ curl  
'https://localhost:9094/api/v1/documents/O3232hs18Aav0CUzW1X/subscribe' -  
H 'X-co-auth-token: 8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 101 Switching Protocols  
Upgrade: websocket  
Connection: Upgrade
```

9.2 Create new document from user's template



[Since 2019.01]

A request to create new document from template document for future opening it

```
POST /api/v1/documents/{docId} HTTP/1.1
```

Path parameters

Parameter	Description
docId	File ID in storage to be used as template for new file. [Since 2019.01]

Request fields

Path	Type	Description
filename	String	The suggested name of the file.
parentId	String	The parent folder (parentReferenceId) which contains this file. The root has no parent
mediaTypeForLogging	String	The media type of the new file or template (application/vnd.collabio.xodocuments.document).

Response structure

Path	Type	Description
id	String	The ID of the file in storage.
filename	String	The name of the real file.
parentId	String	The parent folder (parentReferenceId) which contains this file. The root has no parent
mediaTypeForLogging	String	The media type of the created file (application/vnd.collabio.xodocuments.document).

Example request

```
$ curl -XPOST
'http://localhost:9094/api/v1/documents/O3231hpR9pL5WEirt2X1' -H 'X-co-
auth-token: 8705adfeb88111b472e089a6af6aa929' -H 'Content-Type:
application/json;charset=UTF-8' -d '{
  "filename": "mydoc.xodt",
  "parentId": "O3231hpR9pL5WEirt2X",
  "mediaTypeForLogging": "application/vnd.collabio.xodocuments.document"
}'
```

Example response

```
HTTP/1.1 200 OK
Content-Length: 162
Content-Type: application/json;charset=UTF-8

{
```

```
"id" : "03232hwlp0Bx2gY2bFZ",  
"parentId" : "03231hpR9pL5WEirt2X",  
"filename" : "mydoc (2).xodt",  
"mediaTypeForLogging" : "application/vnd.collabio.xoduments.document"  
}
```

9.3 Create new empty document from default template



[Since 2019.01]

A request to create new empty document for future opening it.

```
POST /api/v1/documents HTTP/1.1
```

Request fields

Path	Type	Description
filename	String	The suggested name of the file.
parentId	String	The parent folder (parentReferenceId) which contains this file. The root has no parent
mediaTypeForLogging	String	The media type of the new file or template (application/vnd.collabio.xoduments.document).
lang	String	The language of the template file (en-US)

Response structure

Path	Type	Description
id	String	The ID of the file in storage.
filename	String	The name of the real file.
parentId	String	The parent folder (parentReferenceId) which contains this file. The root has no parent
mediaTypeForLogging	String	The media type of the created file (application/vnd.collabio.xoduments.document).
lang	String	The language of the template file (en-US ru-RU).

Example request

```
$ curl 'http://localhost:9094/api/v1/documents' -H 'X-co-auth-token:  
8705adfeb88111b472e089a6af6aa929' -H 'Content-Type:  
application/json;charset=UTF-8' -d '{  
  "filename": "mydoc.xodt",
```



```
"parentId": "03231hpR9pL5WEirt2X",  
"mediaTypeForLogging": "application/vnd.collabio.xodocuments.document",  
"lang": "en-US"  
'
```

Example response

```
HTTP/1.1 200 OK  
Content-Length: 162  
Content-Type: application/json;charset=UTF-8  
  
{  
  "id" : "03232hw1p0Bx2gY2bFZ",  
  "parentId" : "03231hpR9pL5WEirt2X",  
  "filename" : "mydoc (2).xodt",  
  "mediaTypeForLogging": "application/vnd.collabio.xodocuments.document",  
  "lang" : "en-US"  
}
```

9.4 Get media from opened document

A request to get content of media file, that is bundled in already opened document.

```
GET /api/v1/documents/{docId}/media/{mediaId:.+} HTTP/1.1
```

Path parameters

Parameter	Description
docId	The ID of the file.
mediaId	The ID of the media file.

Request parameters

Parameter	Description
quality	Quality for returned picture (S M L) [Since 2017.01]

Example request

```
$ curl  
'http://localhost:9094/api/v1/documents/03232hs18Aav0CUzW1X/media/3a43d90  
1-66d8-467f-82e7-6aaad2984bcc' -H 'X-co-auth-token:  
8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 200 OK
Content-Disposition: inline;filename=3a43d901-66d8-467f-82e7-
6aaad2984bcc
Content-Type: image/png;charset=UTF-8

[some example content]
```

9.5 Get media by range from opened document



[Since 2019.03]

Get unpacked media from DU by Range header. Media ID is parsed by Core from DOM XML media references."

```
GET /api/v1/documents/{docId}/media/{mediaId:.+}/stream
```

Path parameters

Parameter	Description
docId	The ID of the file.
mediaId	The ID of the media file.

Request headers

Header	Description
Range	Range for bytes which will return in response

Example request

```
$ curl
'http://localhost:9094/api/v1/documents/03221h19JyMhcYfuOwS/media/test.png/stream' -H 'X-co-auth-token: 8705adfeb88111b472e089a6af6aa929' -H
'Range: bytes=0-'
```

Example response

```
HTTP/1.1 206 OK
Content-Length: 24977
Content-Range: bytes 0-24976/24977
```

```
Content-Type: image/png
```

```
[some example content]
```

9.6 Post new media file to opened document

A request to put new media file to be bundled in already opened document.

```
POST /api/v1/documents/{docId}/media HTTP/1.1
```

Path parameters

Parameter	Description
docId	The ID of the file.

Request multipart form data

Part	Description
file	The file to be uploaded.

Example request

```
$ curl -i -X POST -H "Content-Type: multipart/form-data" -F  
"file=@image.png"  
'http://localhost:9094/api/v1/documents/O3232hs18Aav0CUzW1X/media' -H 'X-  
co-auth-token: 8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 204 No content  
Content-Length: 0
```

9.7 Get collaborators' info for an opened document



[Since 2020.01]

Get collaborators' info for an opened document. Only for shared users. Will return set of language, e-mail and avatar for all collaborators.

```
GET /api/v1/documents/{docId}/collaborators
```

Path parameters

Parameter	Description
docId	The ID of the file.

Example request

```
$ curl  
'http://localhost:9094/api/v1/documents/03221hl9JyMhcYfuOwS/collaborators  
' -H 'X-co-auth-token: 8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 200 OK  
Content-Type: application/json  
[  
  {  
    "avatar": "03221hjpxDLGB5zYain",  
    "email": "test@test.ru",  
    "login": "login@test.ru",  
    "lang": "en-US"  
  }  
]
```

9.8 Put new media file to opened document by downloading it from external URL



[Since 2018.02]

A request to put new media (downloading it by URL) to be bundled in already opened document.

```
PUT /api/v1/documents/{docId}/media HTTP/1.1
```

Path parameters

Parameter	Description
docId	The ID of the file.

Request parameters

Parameter	Description
mediaId	The ID of the media file.
url	The URL to external resource with media.

Example request

```
$ curl -i -X PUT  
'http://localhost:9094/api/v1/documents/O3232hsl8Aav0CUzW1X/media?url=http://example.com/test.jpg&mediaId=imageId' -H 'X-co-auth-token: 8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 204 No content  
Content-Length: 0
```

9.9 Get Pregon for document (readonly)



[Since 2017.01]

A request to get Pregon representation of document.

```
POST /api/v1/documents/{docId}/readonly HTTP/1.1
```

Path parameters

Parameter	Description
docId	The ID of the file.

Request headers

Header	Description
If-None-Match	Etag of file. Response is 304 if Etag is not changed for DOM file (so file's content is not changed)

Request fields

Path	Type	Description
wholeDocument	Boolean	Flag to use pregen for whole document's content (true)

Example request

```
$ curl -i -X POST
'http://localhost:9094/api/v1/documents/03232hs18Aav0CUzW1X/readonly' -H
'X-co-auth-token: 8705adfeb88111b472e089a6af6aa929' -H 'Content-Type:
application/json' -d '{"wholeDocument":true}'
```

Example response

```
HTTP/1.1 200 OK
ETag: W/e57578a33e7308551d043308530e959a
Content-Disposition: inline;filename=ROM_DOM_03232hs18Aav0CUzW1X
Content-Type: application/vnd.ncloudtech.cloudoffice.internal.pregen

[some example content]
```

9.10 Get Search data from Pregen for document (readonly)



[Since 2.8]

A request to get search data for Pregen representation of document.

```
POST /api/v1/documents/{docId}/searchData HTTP/1.1
```

Path parameters

Parameter	Description
docId	The ID of the file.

Request headers

Header	Description
If-None-Match	Etag of file. Response is 304 if Etag is not changed for DOM file (so file's content is not changed)

Example request

```
$ curl -I -X POST
'http://localhost:9095/api/v1/documents/o3546546/searchData'
-H 'X-co-auth-token: 6576765765767567657576'
-H 'Content-Type: application/json'
```

Example response

```
HTTP/1.1 200 OK
ETag: W/e57578a33e7308551d043308530e959a
content-encoding: gzip
content-type: application/json

[some example content zipped]
```

9.11 Check if document content was changed (readonly)



[Since 2017.01]

A request to check if document content was changed from last request.

```
HEAD /api/v1/documents/{docId}/readonly HTTP/1.1
```

Path parameters

Parameter	Description
docId	The ID of the file.

Request headers

Header	Description
If-None-Match	Etag of file. Response is 304 if Etag is not changed for DOM file (so file's content is not changed)

Example request

```
$ curl -i -X HEAD
'http://localhost:9094/api/v1/documents/O3232hs18Aav0CUzW1X/readonly' -H
'If-None-Match: W/ad72fad837e1e3b55b2b00468c19af79' -H 'X-co-auth-token:
8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 200 OK
ETag: W/e57578a33e7308551d043308530e959a
```

9.11 Save document changes to FS by DU

A request to save document changes to FS by DU if it's opened for editing.

```
POST /api/v1/documents/{docId}/save HTTP/1.1
```

Path parameters

Parameter	Description
docId	The ID of the file.

Example request

```
$ curl -i -X POST
'http://localhost:9094/api/v1/documents/O3232hs18Aav0CUzW1X/save' -H 'X-
co-auth-token: 8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 200 OK
```

9.12 Get DuEdit info from IMC



[Since 2020.01]

A request to get collaboration information for a document if it's opened.

```
GET /api/v1/documents/{docId} HTTP/1.1
```

Path parameters

Parameter	Description
docId	The ID of the file.

Example request

```
$ curl -i -X GET
'http://localhost:9094/api/v1/documents/O3232hs18Aav0CUzW1X' -H 'X-co-
auth-token: 8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 200 OK
Content-Type: application/json;charset=UTF-8

{
  "revision": "157",
  "savedByDu": false
}
```

9.13 Stop collaboration and force exit DU



[Since 2020.01]

A request to stop collaboration and clear all resources (DU) for it, if document is opened.

```
DELETE /api/v1/documents/{docId} HTTP/1.1
```

Path parameters

Parameter	Description
docId	The ID of the file.

Example request

```
$ curl -i -X DELETE
'http://localhost:9094/api/v1/documents/O3232hs18Aav0CUzW1X' -H 'X-co-
auth-token: 8705adfeb88111b472e089a6af6aa929'
```

Example response

```
HTTP/1.1 204 No content
```