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QX File API

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QUIXILVER FILE API

This REST API is used to get information about files that are stored in a QuiXilver workspace. Data is returned in JSON objects.

The URLs below are given using the `fileServerEndPoint` variable. The concrete value of this variable depends on the actual QX server used, e.g.:

QX Server	fileServerEndPoint
US Production	https://relay1.quixilver.com/QXFileServer

Authentication

For the API to work, the user must already have established a QuiXilver session.

When used in QuiXilver¹ applications, the session is established when logging in, and no further action is necessary for the developer.

File Object

The API returns file object with all the information about a file(in JSON format). It contains the following data:

Parameter	Description
id	The id of the file
zone	GUID of the workspace where the file is stored
section	Folder where the file is stored
name	Name of the file
isSection	Set to TRUE for folders
size	File size in Bytes
createdBy	User who created the file
createdAt	Date/Time of the file creation (initial upload)
version	Consecutive version number. This is the internal version number assigned by QuiXilver, not a user-defined version number.
updatedBy	User who updated the file last
updatedAt	Date/Time of the last update
iconLink	Link to the file type icon
thumbnailLink	Link to thumbnail. This value is null when the file type is not supported.
previewLink	Link to preview. This value is null when the file type is not supported. For files that contain multiple pages (e.g., office and .pdf documents), add a "page" URL query parameter to get the desired page.
pageCount	Number of pages in the file. This value is null when the file type is not supported.

¹ Note that currently only applications running inside QuiXilver Online – the browser version of QuiXilver – are fully supported.

Get a list of files

URL: fileServerEndPoint/api/1/files

HTTP-Method: GET

The following parameters are added to the call as URL Query String parameters.

Request-Parameters:

Parameter	Description	Required
pageSize	Used for pagination: Number of files returned. Min.: 1 Max: 1'000	No
page	Pagination, number of the page to be returned. Numbering starts from 1.	No
zone	GUID of the workspace	No
section	Name of the folder	No
name	Name of the file/folder (wildcards not supported yet)	No
isSection	Flag to indicate what type of files should be returned : True: folders only False: files only If the parameter is not set, files and folders will be returned.	No
query	Not supported yet. above params are "=" operator, but "query" will support other operators.	No

Response:

Parameter	Description
items	Array of file objects with meta data about each file. (see below)

Get a single file by ID

URL: fileServerEndPoint/api/1/files/{id}

HTTP-Method: GET

Path-Parameters:

Parameter	Description	Required	Default
id	The id of the file to be returned	Yes	-

Response:

Parameter	Description
File object	The meta data about that file

Get a single file by pathname

URL: fileServerEndPoint/api/1/files/{zone}/{path}

HTTP-Method: GET

Path-Parameters:

Parameter	Description	Required	Default
zone	The GUID of the workspace where the file is stored	Yes	-
path	The path of the file	Yes	

Response:

Parameter	Description
File object	The meta data about that file

EXAMPLES

JavaScript / Ajax Code

This code can be used inside QuiXilver applications running on QuiXilver Online. It retrieves a list of all files in the current workspace, displays the names as an unordered list, and allows to :

```
<body>
<ul id='file_list'>
</ul>
<script language="javascript" type="text/javascript">

    var ok = Initialize();

    // Define the endpoints of the QX file (relay) server
    // and the QX Online server
    var fsEndpoint = getCookie('fileServerEndPoint');
    var tcEndpoint = getCookie('thinclientEndPoint');

    // Get the ID of the current workspace
    var zoneID = getCookie("zoneID");

    var fileList = $('#file_list');

    // We call the API using AJAX
    $.ajax({
        url:      fsEndpoint + 'api/1/files',
        type:     'GET',
        data:     {
                    zone: zoneID,      // Only files from current WS
                    isSection: false   // Only files, no folders
                },
        success:  function (d) {
                    if (!d || !$_.isArray(d.items)) {
                        return;
                    }
                    // Now add the files to the the file list
                    for (var i = 0; i < d.items.length; i++) {
                        var file = d.items[i];

                        // append file information to the list item
                        var fileUrl = tcEndpoint + "/File/Show?fileID=" + file.id;
                        $("<li><a href=" + fileUrl + ">" + file.name + "</a></li>").appendTo(fileList);
                    }
                }
    });
</script>
</body>
```

Barebone HTTP/JSON Call

Below an example is shown how a list of files is retrieved by using HTTP/JSON directly. Basically, this is also the call that goes over the wire when using the JavaScript/Ajax code listed in the previous example.

Request URL:

```
http://relay1.quixilver.com/QXFileServer/Api/1/files?zone=e8fa07f2-0f99-48ae-9f7c-a0156afd5702&isSection=false
```

Response:

```
{
  "items": [
    {
      "id": "abd96e89-118c-412d-ad87-a7ba88c5092e",
      "zone": "e8fa07f2-0f99-48ae-9f7c-a0156afd5702",
      "section": "",
      "name": "Colouring.pptx",
      "isSection": false,
      "createdBy": "haller",
      "createdAt": "2012-08-07T09:15:14.633",
      "version": 1,
      "size": 277680,
      "updatedBy": "haller",
      "updatedAt": "2013-11-19T14:10:31.06",
      "pageCount": 4,
      "iconLink": "http://online.quixilver.com/resource/icon/pptx",
      "thumbnailLink": null,
      "previewLink": "http://relay1.quixilver.com/QXFileServer/api/1/preview/abd96e89-118c-412d-ad87-a7ba88c5092e?ver=1"
    },
    {
      "id": "8be8cbec-8a0d-41eb-933a-455386aa6acf",
      "zone": "e8fa07f2-0f99-48ae-9f7c-a0156afd5702",
      "section": "",
      "name": "Copy of Questionary for Dynamic Computing Services.xls",
      "isSection": false,
      "createdBy": "haller",
      "createdAt": "2012-08-07T09:15:14.633",
      "version": 1,
      "size": 40960,
      "updatedBy": "haller",
      "updatedAt": "2013-11-19T14:12:10.827",
      "pageCount": 1,
      "iconLink": "http://online.quixilver.com/resource/icon/xls",
      "thumbnailLink": null,
      "previewLink": "http://relay1.quixilver.com/QXFileServer/api/1/preview/8be8cbec-8a0d-41eb-933a-455386aa6acf?ver=1"
    },
    {
      "id": "87ced9b0-6e12-4f67-b6b8-93ea9a308153",
      "zone": "e8fa07f2-0f99-48ae-9f7c-a0156afd5702",
      "section": "",
      "name": "Installation.docx",
      "isSection": false,
      "createdBy": "haller",
      "createdAt": "2012-08-07T09:15:14.633",
      "version": 1,
      "size": 64106,
      "updatedBy": "haller",
      "updatedAt": "2013-11-19T14:09:54",
      "pageCount": 3,
      "iconLink": "http://online.quixilver.com/resource/icon/docx",
      "thumbnailLink": null,
      "previewLink": "http://relay1.quixilver.com/QXFileServer/api/1/preview/87ced9b0-6e12-4f67-b6b8-93ea9a308153?ver=1"
    },
    {
      "id": "a1c2f41f-f5d9-4c97-b462-f4d2273780b9",
      "zone": "e8fa07f2-0f99-48ae-9f7c-a0156afd5702",
      "section": ""
    }
  ]
}
```

```

"name": "YokosukaMuseum.pdf",
"isSection": false,
"createdBy": "haller",
"createdAt": "2012-08-07T09:15:14.633",
"version": 1,
"size": 589879,
"updatedBy": "haller",
"updatedAt": "2013-11-19T14:09:11.377",
"pageCount": 4,
"iconLink": "http://online.quixilver.com/resource/icon/pdf",
"thumbnailLink": null,
"previewLink": "http://relay1.quixilver.com/QXFileServer/api/1/preview/a1c2f41f-f5d9-4c97-b462-
f4d2273780b9?ver=1"
},
{
  "id": "e91b34aa-75ab-4546-aba1-a9face53e860",
  "zone": "e8fa07f2-0f99-48ae-9f7c-a0156afd5702",
  "section": "FileAttachments",
  "name": "biodenta.jpg",
  "isSection": false,
  "createdBy": "cynthia",
  "createdAt": "2013-03-22T13:24:27.097",
  "version": 1,
  "size": 2074,
  "updatedBy": "cynthia",
  "updatedAt": "2013-03-22T13:24:27.117",
  "pageCount": null,
  "iconLink": "http://online.quixilver.com/resource/icon/jpg",
  "thumbnailLink": "http://relay1.quixilver.com/QXFileServer/api/1/thumbnails/e91b34aa-75ab-4546-aba1-
a9face53e860?ver=1",
  "previewLink": "http://relay1.quixilver.com/QXFileServer/api/1/preview/e91b34aa-75ab-4546-aba1-
a9face53e860?ver=1"
},
{
  "id": "0eb494a9-6495-404b-87b1-537560a179a1",
  "zone": "e8fa07f2-0f99-48ae-9f7c-a0156afd5702",
  "section": "FileAttachments",
  "name": "ch1.jpg",
  "isSection": false,
  "createdBy": "cynthia",
  "createdAt": "2013-03-22T04:11:47.987",
  "version": 1,
  "size": 19324,
  "updatedBy": "cynthia",
  "updatedAt": "2013-03-22T10:26:09.837",
  "pageCount": null,
  "iconLink": "http://online.quixilver.com/resource/icon/jpg",
  "thumbnailLink": "http://relay1.quixilver.com/QXFileServer/api/1/thumbnails/0eb494a9-6495-404b-87b1-
537560a179a1?ver=1",
  "previewLink": "http://relay1.quixilver.com/QXFileServer/api/1/preview/0eb494a9-6495-404b-87b1-
537560a179a1?ver=1"
},
{
  "id": "a61d95be-202b-4674-8303-88cd03b85626",
  "zone": "e8fa07f2-0f99-48ae-9f7c-a0156afd5702",
  "section": "FileAttachments",
  "name": "ch2.jpg",
  "isSection": false,
  "createdBy": "cynthia",
  "createdAt": "2013-03-22T11:02:58.56",
  "version": 1,
  "size": 20571,
  "updatedBy": "cynthia",
  "updatedAt": "2013-03-22T11:02:58.577",
  "pageCount": null,
  "iconLink": "http://online.quixilver.com/resource/icon/jpg",
  "thumbnailLink": "http://relay1.quixilver.com/QXFileServer/api/1/thumbnails/a61d95be-202b-4674-8303-
88cd03b85626?ver=1",
  "previewLink": "http://relay1.quixilver.com/QXFileServer/api/1/preview/a61d95be-202b-4674-8303-
88cd03b85626?ver=1"
},
{
  "id": "12afe17c-b990-4423-a0ce-d5573bfbfd359",
  "zone": "e8fa07f2-0f99-48ae-9f7c-a0156afd5702",
  "section": "FileAttachments",
  "name": "ch3.jpg",
  "isSection": false,

```



```

    "createdBy": "haller",
    "createdAt": "2013-03-22T10:37:08.17",
    "version": 1,
    "size": 28355,
    "updatedBy": "haller",
    "updatedAt": "2013-03-22T10:37:08.193",
    "pageCount": null,
    "iconLink": "http://online.quixilver.com/resource/icon/jpg",
    "thumbnailLink": "http://relay1.quixilver.com/QXFileServer/api/1/thumbnails/12afe17c-b990-4423-a0ce-
d5573bfbd359?ver=1",
    "previewLink": "http://relay1.quixilver.com/QXFileServer/api/1/preview/12afe17c-b990-4423-a0ce-
d5573bfbd359?ver=1"
  },
  {
    "id": "1977a357-2301-4828-903a-2c06990a160d",
    "zone": "e8fa07f2-0f99-48ae-9f7c-a0156afd5702",
    "section": "FileAttachments",
    "name": "ch4.jpg",
    "isSection": false,
    "createdBy": "haller",
    "createdAt": "2013-03-22T04:39:17.233",
    "version": 1,
    "size": 35143,
    "updatedBy": "haller",
    "updatedAt": "2013-03-22T10:28:17.007",
    "pageCount": null,
    "iconLink": "http://online.quixilver.com/resource/icon/jpg",
    "thumbnailLink": "http://relay1.quixilver.com/QXFileServer/api/1/thumbnails/1977a357-2301-4828-903a-
2c06990a160d?ver=1",
    "previewLink": "http://relay1.quixilver.com/QXFileServer/api/1/preview/1977a357-2301-4828-903a-
2c06990a160d?ver=1"
  },
  {
    "id": "12f821a4-bb09-477a-842e-355875f0f9f1",
    "zone": "e8fa07f2-0f99-48ae-9f7c-a0156afd5702",
    "section": "FileAttachments",
    "name": "jp2.jpg",
    "isSection": false,
    "createdBy": "cynthia",
    "createdAt": "2013-03-22T10:47:25.123",
    "version": 1,
    "size": 19065,
    "updatedBy": "cynthia",
    "updatedAt": "2013-03-22T10:47:25.137",
    "pageCount": null,
    "iconLink": "http://online.quixilver.com/resource/icon/jpg",
    "thumbnailLink": "http://relay1.quixilver.com/QXFileServer/api/1/thumbnails/12f821a4-bb09-477a-842e-
355875f0f9f1?ver=1",
    "previewLink": "http://relay1.quixilver.com/QXFileServer/api/1/preview/12f821a4-bb09-477a-842e-
355875f0f9f1?ver=1"
  },
  {
    "id": "2fc00bb8-dc0e-4317-9459-42b4633861ce",
    "zone": "e8fa07f2-0f99-48ae-9f7c-a0156afd5702",
    "section": "FileAttachments",
    "name": "us2.jpg",
    "isSection": false,
    "createdBy": "cynthia",
    "createdAt": "2013-03-22T11:03:27.377",
    "version": 1,
    "size": 9411,
    "updatedBy": "cynthia",
    "updatedAt": "2013-03-22T11:03:27.39",
    "pageCount": null,
    "iconLink": "http://online.quixilver.com/resource/icon/jpg",
    "thumbnailLink": "http://relay1.quixilver.com/QXFileServer/api/1/thumbnails/2fc00bb8-dc0e-4317-9459-
42b4633861ce?ver=1",
    "previewLink": "http://relay1.quixilver.com/QXFileServer/api/1/preview/2fc00bb8-dc0e-4317-9459-
42b4633861ce?ver=1"
  }
]
}

```