View file security permissions

REST API reference

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View file security permissions

View file security permissions

Overview

This API displays the effective permission granted to a Windows or UNIX user on the specified file or folder path. A path within the FlexCache volume is not supported.

Examples

Retrieving the effective permission for the specified Windows user on the specified path of an SVM.

```
# The API:
curl -X GET "https://10.63.26.252/api/protocols/file-security/effective-
permissions/cf5f271a-1beb-11ea-8fad-
005056bb645e/administrator/windows/%2F?share.name=sh1&return_records=true"
-H "accept: application/json" -H "authorization: Basic <CREDENTIALS>"

# The response:
{
"svm": {
  "uuid": "cf5f271a-1beb-11ea-8fad-005056bb645e",
  "name": "vs1"
},
"user": "administrator",
"type": "windows",
"path": "/",
"share": {
  "path": "/"
},
"file_permission": [
  "read",
  "write",
  "append",
  "read_ea",
  "write_ea",
  "execute",
  "delete_child",
  "read_attributes",
  "write_attributes",
  "delete",
  "read_control",
  "write_dac",
  "write_owner",
  "synchronize",
  "system_security"
],
"share_permission": [
  "read",
  "read_ea",
  "execute",
  "read_attributes",
  "read_control",
  "synchronize"
]
}
```

Retrieve effective security permissions on a file

GET `/protocols/file-security/effective-permissions/{svm.uuid}/{path}`

Introduced In: 9.8

Retrieves effective security permissions on a file.

Related ONTAP commands

- `vserver security file-directory show-effective-permissions`

Parameters

Name	Type	In	Required	Description
path	string	path	True	File Path
user	string	query	True	User_Name
share.name	string	query	False	Share Name
type	string	query	False	User Type
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

Name	Type	Description
file_permissions	array[string]	Specifies the effective permission granted to a user on the specified file or folder path.

Name	Type	Description
path	string	Specifies the path of the file or the folder for which you want to display effective permissions. The path is relative to the SVM root volume. If "-share-name" is specified then path will be relative to the share path.
share	share	
share_permissions	array[string]	Specifies the effective permission granted to a user on the specified file or folder path.
svm	svm_reference	SVM, applies only to SVM-scoped objects.
type	string	Specifies the user type. The following values are allowed: • windows - Windows user • unix - UNIX user
user	string	Specifies the user for which effective permission needs to be displayed for the specified path.

Example response


```
{
  "file_permissions": [
    "string"
  ],
  "path": "/dir1/dir2",
  "share": {
    "name": "string",
    "path": "string"
  },
  "share_permissions": [
    "string"
  ],
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "type": "string",
  "user": "cifs1/administrator"
}
```


Error

```
Status: Default, Ontap error response codes | error code | description | |
---------- | ---------- | | 262278     | user is a required field | |
655865     | the specified path cannot be used if the file does not exist
| | 655470     | the specified share does not exist |
```

Name	Type	Description
error	returned_error	

Example error


```
{
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```


Definitions

See Definitions

share

Name	Type	Description
name	string	Displays the file or directory effective permission for the mentioned user, only for files and directories contained where the specified path is relative to the root of the specified share. If this parameter is not specified, the SVM root volume is taken as the default. If this parameter is specified, the effective share permission of the user is also displayed. Wildcard query characters are not supported.
path	string	Displays the CIFS share path.

href

Name	Type	Description
href	string	

_links

Name	Type	Description
self	href	

svm_reference

SVM, applies only to SVM-scoped objects.

Name	Type	Description
_links	_links	
name	string	The name of the SVM. This field cannot be specified in a PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

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