



# **View and update shadow copy information**

## **REST API reference**

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# View and update shadow copy information

## View and update shadow copy information

Microsoft Remote Volume Shadow Copy Services (VSS) is an extension of the existing Microsoft VSS infrastructure. Previously, VSS could be used for backup services only for data stored on the local disk. This limited the use of VSS to applications that stored data either on a local disk or on SAN-based storage. With Remote VSS, Microsoft has extended the VSS infrastructure to support the shadow copying of SMB shares. Server applications, such as, Hyper-V are now storing VHD files on SMB file shares. With these new extensions, it is possible to take application consistent shadow copies for virtual machines that store data and configuration files on shares.

### Retrieving Shadow copy sets for all SVMs

```
# The API:
GET /api/protocols/cifs/shadowcopy-sets

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/shadowcopy-sets?fields=*&return_records=true&return_timeout=15" -H "accept: application/json" -H "authorization: Basic <CREDENTIALS>"

# The Response:
{
  "records": [
    {
      "uuid": "27ed1b79-97f6-11ec-8ad1-0050568e57be",
      "svm": {
        "uuid": "dfb8e00d-9498-11ec-9f9d-0050568e57be",
        "name": "vs1"
      },
      "keep_snapshots": true
    },
    {
      "uuid": "388be551-97f6-11ec-8ad1-0050568e57be",
      "svm": {
        "uuid": "dfb8e00d-9498-11ec-9f9d-0050568e57be",
        "name": "vs1"
      },
      "keep_snapshots": false
    },
    {
      "uuid": "525104ef-9f96-11ec-82fd-0050568e57be",
      "svm": {
        "uuid": "fdb5bd8b-9498-11ec-9f9d-0050568e57be",
```

```
    "name": "vs2"
  },
  "keep_snapshots": false
},
{
  "uuid": "66f8f723-9f96-11ec-82fd-0050568e57be",
  "svm": {
    "uuid": "fdb5bd8b-9498-11ec-9f9d-0050568e57be",
    "name": "vs2"
  },
  "keep_snapshots": true
}
],
"num_records": 4
}
```

---

### Retrieving information for a specific shadow copy set

---

```
# The API:
GET /api/protocols/cifs/shadowcopy-sets/{uuid}

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/shadowcopy-sets/525104ef-9f96-11ec-82fd-0050568e57be?fields=*" -H "accept: application/json"

# The Response:
{
  "uuid": "525104ef-9f96-11ec-82fd-0050568e57be",
  "svm": {
    "uuid": "fdb5bd8b-9498-11ec-9f9d-0050568e57be",
    "name": "vs2"
  },
  "keep_snapshots": false
}
```

---

### Updating the keep-snapshot property of a specific shadow copy set

---

```
# The API:
GET /api/protocols/cifs/shadowcopy-sets/{uuid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/cifs/shadowcopy-sets/525104ef-9f96-11ec-82fd-0050568e57be" -H "accept: application/json" -H "Content-Type: application/json" -d "{ \"keep_snapshots\": true}"
```

## Retrieving shadow copy information for all SVMs

```
# The API:
GET /api/protocols/cifs/shadow-copies

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/shadow-copies?fields=*&return_records=true&return_timeout=15" -H "accept: application/json"

# The Response:
{
  "records": [
    {
      "svm": {
        "uuid": "dfb8e00d-9498-11ec-9f9d-0050568e57be",
        "name": "vs1"
      },
      "shadowcopy_set": {
        "uuid": "9169cd4a-a421-11ec-b82e-0050568e57be"
      },
      "uuid": "919fbc80-a421-11ec-b82e-0050568e57be",
      "share": {
        "name": "sh1"
      },
      "client_uuid": "918536b7-a421-11ec-b82e-0050568e57be",
      "volume": {
        "uuid": "e117c8f6-9498-11ec-9f9d-0050568e57be",
        "name": "vol1"
      }
    },
    {
      "svm": {
```

```

    "uuid": "dfb8e00d-9498-11ec-9f9d-0050568e57be",
    "name": "vs1"
  },
  "shadowcopy_set": {
    "uuid": "9169cd4a-a421-11ec-b82e-0050568e57be"
  },
  "uuid": "91ac5a5f-a421-11ec-b82e-0050568e57be",
  "share": {
    "name": "sh2"
  },
  "client_uuid": "91a9252b-a421-11ec-b82e-0050568e57be",
  "volume": {
    "uuid": "e117c8f6-9498-11ec-9f9d-0050568e57be",
    "name": "vol1"
  }
},
{
  "svm": {
    "uuid": "dfb8e00d-9498-11ec-9f9d-0050568e57be",
    "name": "vs1"
  },
  "shadowcopy_set": {
    "uuid": "9169cd4a-a421-11ec-b82e-0050568e57be"
  },
  "uuid": "91b14098-a421-11ec-b82e-0050568e57be",
  "share": {
    "name": "sh3"
  },
  "client_uuid": "91adfc85-a421-11ec-b82e-0050568e57be",
  "volume": {
    "uuid": "e117c8f6-9498-11ec-9f9d-0050568e57be",
    "name": "vol1"
  }
},
{
  "svm": {
    "uuid": "dfb8e00d-9498-11ec-9f9d-0050568e57be",
    "name": "vs1"
  },
  "shadowcopy_set": {
    "uuid": "9169cd4a-a421-11ec-b82e-0050568e57be"
  },
  "uuid": "91b63309-a421-11ec-b82e-0050568e57be",
  "share": {
    "name": "sh4"
  }
},

```

```
    "client_uuid": "91b2f817-a421-11ec-b82e-0050568e57be",
    "volume": {
      "uuid": "e117c8f6-9498-11ec-9f9d-0050568e57be",
      "name": "vol1"
    }
  },
  "num_records": 4
}
```

---

## Retrieving information for a specific shadow copy

---

```
# The API:
GET /api/protocols/cifs/shadow-copies/{client_uuid}

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/shadow-copies/91adfc85-a421-11ec-b82e-0050568e57be?fields=*" -H "accept: application/json"

# The Response:
{
  "svm": {
    "uuid": "dfb8e00d-9498-11ec-9f9d-0050568e57be",
    "name": "vs1"
  },
  "shadowcopy_set": {
    "uuid": "9169cd4a-a421-11ec-b82e-0050568e57be"
  },
  "uuid": "91b14098-a421-11ec-b82e-0050568e57be",
  "share": {
    "name": "sh3"
  },
  "client_uuid": "91adfc85-a421-11ec-b82e-0050568e57be",
  "volume": {
    "uuid": "e117c8f6-9498-11ec-9f9d-0050568e57be",
    "name": "vol1"
  }
}
```

## Updating the list of files to be shadowcopied in a particular share

Use this endpoint to update the list of files to be shadow copied in a particular share. Set "restore" field as false to perform this operation.

```
# The API:
PATCH /protocols/cifs/shadow-copies/{client_uuid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/cifs/shadow-copies/91adfc85-a421-11ec-b82e-0050568e57be?restore=false" -H "accept: application/json" -d "{  \"files\": [    \"/vhd1\",    \"/vhd2\"  ]}"
```

## Requesting the storage system to restore a directory

You set restore field to true to perform this operation. Only users with the security login role "vsadmin" can perform the operation.

```
# The API:
PATCH /protocols/cifs/shadow-copies?restore=true

# The call:
PATCH "api/protocols/cifs/shadow-copies?restore=true" -d "{
  \"destination_dir\": \"/dir2\",  \"source_dir\": \"/src_dir\",
  \"volume\": {    \"name\": \"test_vol\"  },  \"with_content\": false}"
```

## Retrieve shadow copies

GET /protocols/cifs/shadow-copies

Introduced In: 9.11

Retrieves Shadowcopies

## Related ONTAP commands

- vserver cifs shadowcopy show-shares

## Learn more

- [DOC /protocols/cifs/shadow-copies](#)

## Parameters

| Name                                                                                                                    | Type           | In            | Required | Description                                         |
|-------------------------------------------------------------------------------------------------------------------------|----------------|---------------|----------|-----------------------------------------------------|
| share.name                                                                                                              | string         | query         | False    | Filter by share.name                                |
| uuid                                                                                                                    | string         | query         | False    | Filter by uuid                                      |
| files                                                                                                                   | string         | query         | False    | Filter by files                                     |
| client_uuid                                                                                                             | string         | query         | False    | Filter by client_uuid                               |
| shadowcopy_set.uuid                                                                                                     | string         | query         | False    | Filter by shadowcopy_set.uuid                       |
| svm.name                                                                                                                | string         | query         | False    | Filter by svm.name                                  |
| svm.uuid                                                                                                                | string         | query         | False    | Filter by svm.uuid                                  |
| order_by                                                                                                                | array[string]  | query         | False    | Order results by specified fields and optional [asc |
| desc] direction. Default direction is 'asc' for ascending.                                                              | fields         | array[string] | query    | False                                               |
| Specify the fields to return.                                                                                           | max_records    | integer       | query    | False                                               |
| Limit the number of records returned.                                                                                   | return_records | boolean       | query    | False                                               |
| The default is true for GET calls. When set to false, only the number of records is returned.<br><br>• Default value: 1 | return_timeout | integer       | query    | False                                               |

## Response

Status: 200, Ok

| Name        | Type                                | Description       |
|-------------|-------------------------------------|-------------------|
| _links      | <a href="#">_links</a>              |                   |
| num_records | integer                             | Number of records |
| records     | array[ <a href="#">shadowcopy</a> ] |                   |

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "client_uuid": "abc13450-1f19-40ba-9b82-ebf277517e7e",
      "destination_dir": "/dir2",
      "files": [
        "/vhd1",
        "/vhd2"
      ],
      "shadowcopy_set": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "uuid": "5f4e19f3-5e2d-11ec-8766-005056a7c134"
      },
      "share": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "sh1"
      },
      "source_dir": "/dir1",
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        }
      }
    }
  ]
}
```

```

    }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "fef32805-1f19-40ba-9b82-ebf277517e7e",
  "volume": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    },
    "name": "volume1",
    "uuid": "028baa66-41bd-11e9-81d5-00a0986138f7"
  }
}
]
}

```

## Error

Status: Default, Error

| Name  | Type                           | Description |
|-------|--------------------------------|-------------|
| error | <a href="#">returned_error</a> |             |

## Example error

```

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

```

**Definitions**

## See Definitions

href

| Name | Type   | Description |
|------|--------|-------------|
| href | string |             |

\_links

| Name | Type                 | Description |
|------|----------------------|-------------|
| next | <a href="#">href</a> |             |
| self | <a href="#">href</a> |             |

\_links

| Name | Type                 | Description |
|------|----------------------|-------------|
| self | <a href="#">href</a> |             |

self\_link

| Name | Type                 | Description |
|------|----------------------|-------------|
| self | <a href="#">href</a> |             |

shadowcopy\_set

| Name   | Type                      | Description |
|--------|---------------------------|-------------|
| _links | <a href="#">self_link</a> |             |
| uuid   | string                    |             |

share

| Name   | Type                   | Description |
|--------|------------------------|-------------|
| _links | <a href="#">_links</a> |             |
| name   | string                 | Share name  |

svm

SVM, applies only to SVM-scoped objects.

| Name   | Type                   | Description |
|--------|------------------------|-------------|
| _links | <a href="#">_links</a> |             |

| Name | Type   | Description                                                                         |
|------|--------|-------------------------------------------------------------------------------------|
| 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. |

## volume

The name of the volume where the source and destination directories reside.

| Name   | Type                   | Description                                                                                                                                                                                                                                                                                                                |
|--------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| _links | <a href="#">_links</a> |                                                                                                                                                                                                                                                                                                                            |
| name   | string                 | The name of the volume. This field cannot be specified in a PATCH method.                                                                                                                                                                                                                                                  |
| uuid   | string                 | <p>Unique identifier for the volume. This corresponds to the instance-uuid that is exposed in the CLI and ONTAPI. It does not change due to a volume move.</p> <ul style="list-style-type: none"> <li>• example: 028baa66-41bd-11e9-81d5-00a0986138f7</li> <li>• Introduced in: 9.6</li> <li>• x-nullable: true</li> </ul> |

## shadowcopy

| Name            | Type                   | Description                                                                                                                                                 |
|-----------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| _links          | <a href="#">_links</a> |                                                                                                                                                             |
| client_uuid     | string                 | The universally-unique identifier of the client's shadow copy.                                                                                              |
| destination_dir | string                 | The path of the destination directory. The path is in UTF8 and uses forward slash as a directory separator. The path is relative to the root of the volume. |

| Name           | Type                           | Description                                                                                                                                                        |
|----------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| files          | array[string]                  | The list of files to shadow copy in the share. The path is in UTF8 and uses forward slash as a directory separator. The path is relative to the root of the share. |
| shadowcopy_set | <a href="#">shadowcopy_set</a> |                                                                                                                                                                    |
| share          | <a href="#">share</a>          |                                                                                                                                                                    |
| source_dir     | string                         | The path of the source directory. The path is in UTF8 and uses forward slash as a directory separator. The path is relative to the root of the volume.             |
| svm            | <a href="#">svm</a>            | SVM, applies only to SVM-scoped objects.                                                                                                                           |
| uuid           | string                         | The universally-unique identifier of the storage's shadow copy.                                                                                                    |
| volume         | <a href="#">volume</a>         | The name of the volume where the source and destination directories reside.                                                                                        |
| with_content   | boolean                        | Specifies what needs to be restored. False specifies the directory only. True indicates the directory and its content.                                             |

#### error\_arguments

| Name    | Type   | Description      |
|---------|--------|------------------|
| code    | string | Argument code    |
| message | string | Message argument |

#### returned\_error

| Name      | Type                                     | Description       |
|-----------|------------------------------------------|-------------------|
| arguments | array[ <a href="#">error_arguments</a> ] | Message arguments |
| code      | string                                   | Error code        |

| Name    | Type   | Description                                 |
|---------|--------|---------------------------------------------|
| message | string | Error message                               |
| target  | string | The target parameter that caused the error. |

## Retrieve a shadow copy

GET /protocols/cifs/shadow-copies/{client\_uuid}

**Introduced In:** 9.11

Retrieves a Shadowcopy

### Related ONTAP commands

- `vserver cifs shadowcopy show-shares`

### Learn more

- [DOC /protocols/cifs/shadow-copies](#)

### Parameters

| Name        | Type          | In    | Required | Description                   |
|-------------|---------------|-------|----------|-------------------------------|
| client_uuid | string        | path  | True     | client shadowcopy ID          |
| fields      | array[string] | query | False    | Specify the fields to return. |

### Response

Status: 200, Ok

| Name        | Type                   | Description                                                    |
|-------------|------------------------|----------------------------------------------------------------|
| _links      | <a href="#">_links</a> |                                                                |
| client_uuid | string                 | The universally-unique identifier of the client's shadow copy. |

| Name            | Type                           | Description                                                                                                                                                        |
|-----------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| destination_dir | string                         | The path of the destination directory. The path is in UTF8 and uses forward slash as a directory separator. The path is relative to the root of the volume.        |
| files           | array[string]                  | The list of files to shadow copy in the share. The path is in UTF8 and uses forward slash as a directory separator. The path is relative to the root of the share. |
| shadowcopy_set  | <a href="#">shadowcopy_set</a> |                                                                                                                                                                    |
| share           | <a href="#">share</a>          |                                                                                                                                                                    |
| source_dir      | string                         | The path of the source directory. The path is in UTF8 and uses forward slash as a directory separator. The path is relative to the root of the volume.             |
| svm             | <a href="#">svm</a>            | SVM, applies only to SVM-scoped objects.                                                                                                                           |
| uuid            | string                         | The universally-unique identifier of the storage's shadow copy.                                                                                                    |
| volume          | <a href="#">volume</a>         | The name of the volume where the source and destination directories reside.                                                                                        |
| with_content    | boolean                        | Specifies what needs to be restored. False specifies the directory only. True indicates the directory and its content.                                             |

## Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "client_uuid": "abc13450-1f19-40ba-9b82-ebf277517e7e",
  "destination_dir": "/dir2",
  "files": [
    "/vhd1",
    "/vhd2"
  ],
  "shadowcopy_set": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    }
  },
  "uuid": "5f4e19f3-5e2d-11ec-8766-005056a7c134"
},
"share": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "sh1"
},
"source_dir": "/dir1",
"svm": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "svm1",
  "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
},
"uuid": "fef32805-1f19-40ba-9b82-ebf277517e7e",
"volume": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  }
}
```

```
    },
    "name": "volume1",
    "uuid": "028baa66-41bd-11e9-81d5-00a0986138f7"
  }
}
```

## Error

Status: Default, Error

| Name  | Type                           | Description |
|-------|--------------------------------|-------------|
| error | <a href="#">returned_error</a> |             |

### Example error

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

## Definitions

## See Definitions

href

| Name | Type   | Description |
|------|--------|-------------|
| href | string |             |

\_links

| Name | Type                 | Description |
|------|----------------------|-------------|
| self | <a href="#">href</a> |             |

self\_link

| Name | Type                 | Description |
|------|----------------------|-------------|
| self | <a href="#">href</a> |             |

shadowcopy\_set

| Name   | Type                      | Description |
|--------|---------------------------|-------------|
| _links | <a href="#">self_link</a> |             |
| uuid   | string                    |             |

share

| Name   | Type                   | Description |
|--------|------------------------|-------------|
| _links | <a href="#">_links</a> |             |
| name   | string                 | Share name  |

svm

SVM, applies only to SVM-scoped objects.

| Name   | Type                   | Description                                                                         |
|--------|------------------------|-------------------------------------------------------------------------------------|
| _links | <a href="#">_links</a> |                                                                                     |
| 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. |

volume

The name of the volume where the source and destination directories reside.

| Name                   | Type                   | Description                                                                                                                                                                                                                                                                                                     |
|------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">_links</a> | <a href="#">_links</a> |                                                                                                                                                                                                                                                                                                                 |
| name                   | string                 | The name of the volume. This field cannot be specified in a PATCH method.                                                                                                                                                                                                                                       |
| uuid                   | string                 | Unique identifier for the volume. This corresponds to the instance-uuid that is exposed in the CLI and ONTAPI. It does not change due to a volume move. <ul style="list-style-type: none"><li>• example: 028baa66-41bd-11e9-81d5-00a0986138f7</li><li>• Introduced in: 9.6</li><li>• x-nullable: true</li></ul> |

error\_arguments

| Name    | Type   | Description      |
|---------|--------|------------------|
| code    | string | Argument code    |
| message | string | Message argument |

returned\_error

| Name      | Type                                     | Description                                 |
|-----------|------------------------------------------|---------------------------------------------|
| arguments | array[ <a href="#">error_arguments</a> ] | Message arguments                           |
| code      | string                                   | Error code                                  |
| message   | string                                   | Error message                               |
| target    | string                                   | The target parameter that caused the error. |

## Update a shadow copy

PATCH /protocols/cifs/shadow-copies/{client\_uuid}

Introduced In: 9.11

Specify list Files to be added as a part of Shadowcopy creation

## Learn more

- [DOC /protocols/cifs/shadow-copies](#)

## Parameters

| Name        | Type    | In    | Required | Description                              |
|-------------|---------|-------|----------|------------------------------------------|
| client_uuid | string  | path  | True     | client shadowcopy ID                     |
| restore     | boolean | query | False    | Indicates whether to restore a directory |

## Request Body

| Name            | Type                           | Description                                                                                                                                                        |
|-----------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| client_uuid     | string                         | The universally-unique identifier of the client's shadow copy.                                                                                                     |
| destination_dir | string                         | The path of the destination directory. The path is in UTF8 and uses forward slash as a directory separator. The path is relative to the root of the volume.        |
| files           | array[string]                  | The list of files to shadow copy in the share. The path is in UTF8 and uses forward slash as a directory separator. The path is relative to the root of the share. |
| shadowcopy_set  | <a href="#">shadowcopy_set</a> |                                                                                                                                                                    |
| share           | <a href="#">share</a>          |                                                                                                                                                                    |
| source_dir      | string                         | The path of the source directory. The path is in UTF8 and uses forward slash as a directory separator. The path is relative to the root of the volume.             |
| svm             | <a href="#">svm</a>            | SVM, applies only to SVM-scoped objects.                                                                                                                           |
| uuid            | string                         | The universally-unique identifier of the storage's shadow copy.                                                                                                    |

| Name         | Type    | Description                                                                                                            |
|--------------|---------|------------------------------------------------------------------------------------------------------------------------|
| volume       | volume  | The name of the volume where the source and destination directories reside.                                            |
| with_content | boolean | Specifies what needs to be restored. False specifies the directory only. True indicates the directory and its content. |

### Example request

```
{
  "client_uuid": "abc13450-1f19-40ba-9b82-ebf277517e7e",
  "destination_dir": "/dir2",
  "files": [
    "/vhd1",
    "/vhd2"
  ],
  "shadowcopy_set": {
    "uuid": "5f4e19f3-5e2d-11ec-8766-005056a7c134"
  },
  "share": {
    "name": "sh1"
  },
  "source_dir": "/dir1",
  "svm": {
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "fef32805-1f19-40ba-9b82-ebf277517e7e",
  "volume": {
    "name": "volume1",
    "uuid": "028baa66-41bd-11e9-81d5-00a0986138f7"
  }
}
```

### Response

Status: 200, Ok

| Name                        | Type   | Description                                                         |
|-----------------------------|--------|---------------------------------------------------------------------|
| storage_shadowcopy_set_uuid | string | The universally-unique identifier of the storage's shadow copy set. |
| storage_shadowcopy_uuid     | string | The universally-unique identifier of the storage's shadow copy.     |

### Example response

```
{
  "storage_shadowcopy_set_uuid": "f8328660-00e6-11e6-80d9-005056bd65a9",
  "storage_shadowcopy_uuid": "fef32805-1f19-40ba-9b82-ebf277517e7e"
}
```

### Error

Status: Default

### ONTAP Error Response Codes

| Error Code | Description                                                      |
|------------|------------------------------------------------------------------|
| 262196     | The 'svm' field is not supported in the body of a PATCH request. |

### Definitions

## See Definitions

href

| Name | Type   | Description |
|------|--------|-------------|
| href | string |             |

\_links

self\_link

shadowcopy\_set

| Name | Type   | Description |
|------|--------|-------------|
| uuid | string |             |

share

| Name | Type   | Description |
|------|--------|-------------|
| name | string | Share name  |

svm

SVM, applies only to SVM-scoped objects.

| Name | Type   | Description                                                                         |
|------|--------|-------------------------------------------------------------------------------------|
| 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. |

volume

The name of the volume where the source and destination directories reside.

| Name | Type   | Description                                                               |
|------|--------|---------------------------------------------------------------------------|
| name | string | The name of the volume. This field cannot be specified in a PATCH method. |

| Name | Type   | Description                                                                                                                                                                                                                                                                                                                |
|------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| uuid | string | <p>Unique identifier for the volume. This corresponds to the instance-uuid that is exposed in the CLI and ONTAPI. It does not change due to a volume move.</p> <ul style="list-style-type: none"> <li>• example: 028baa66-41bd-11e9-81d5-00a0986138f7</li> <li>• Introduced in: 9.6</li> <li>• x-nullable: true</li> </ul> |

#### shadowcopy

| Name            | Type                           | Description                                                                                                                                                        |
|-----------------|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| client_uuid     | string                         | The universally-unique identifier of the client's shadow copy.                                                                                                     |
| destination_dir | string                         | The path of the destination directory. The path is in UTF8 and uses forward slash as a directory separator. The path is relative to the root of the volume.        |
| files           | array[string]                  | The list of files to shadow copy in the share. The path is in UTF8 and uses forward slash as a directory separator. The path is relative to the root of the share. |
| shadowcopy_set  | <a href="#">shadowcopy_set</a> |                                                                                                                                                                    |
| share           | <a href="#">share</a>          |                                                                                                                                                                    |
| source_dir      | string                         | The path of the source directory. The path is in UTF8 and uses forward slash as a directory separator. The path is relative to the root of the volume.             |
| svm             | <a href="#">svm</a>            | SVM, applies only to SVM-scoped objects.                                                                                                                           |
| uuid            | string                         | The universally-unique identifier of the storage's shadow copy.                                                                                                    |

| Name         | Type                   | Description                                                                                                            |
|--------------|------------------------|------------------------------------------------------------------------------------------------------------------------|
| volume       | <a href="#">volume</a> | The name of the volume where the source and destination directories reside.                                            |
| with_content | boolean                | Specifies what needs to be restored. False specifies the directory only. True indicates the directory and its content. |

error\_arguments

| Name    | Type   | Description      |
|---------|--------|------------------|
| code    | string | Argument code    |
| message | string | Message argument |

returned\_error

| Name      | Type                                     | Description                                 |
|-----------|------------------------------------------|---------------------------------------------|
| arguments | array[ <a href="#">error_arguments</a> ] | Message arguments                           |
| code      | string                                   | Error code                                  |
| message   | string                                   | Error message                               |
| target    | string                                   | The target parameter that caused the error. |

## Retrieve shadow copy sets

GET /protocols/cifs/shadowcopy-sets

**Introduced In:** 9.11

Retrieves Shadowcopy Sets.

### Related ONTAP commands

- `vserver cifs shadowcopy show-sets`

### Learn more

- [DOC /protocols/cifs/shadow-copies](#)

## Parameters

| Name                                                                                                                    | Type           | In            | Required | Description                                         |
|-------------------------------------------------------------------------------------------------------------------------|----------------|---------------|----------|-----------------------------------------------------|
| uuid                                                                                                                    | string         | query         | False    | Filter by uuid                                      |
| svm.name                                                                                                                | string         | query         | False    | Filter by svm.name                                  |
| svm.uuid                                                                                                                | string         | query         | False    | Filter by svm.uuid                                  |
| keep_snapshots                                                                                                          | boolean        | query         | False    | Filter by keep_snapshots                            |
| order_by                                                                                                                | array[string]  | query         | False    | Order results by specified fields and optional [asc |
| desc] direction. Default direction is 'asc' for ascending.                                                              | fields         | array[string] | query    | False                                               |
| Specify the fields to return.                                                                                           | max_records    | integer       | query    | False                                               |
| Limit the number of records returned.                                                                                   | return_records | boolean       | query    | False                                               |
| The default is true for GET calls. When set to false, only the number of records is returned.<br><br>• Default value: 1 | return_timeout | integer       | query    | False                                               |

## Response

Status: 200, Ok

| Name        | Type                                    | Description       |
|-------------|-----------------------------------------|-------------------|
| _links      | <a href="#">_links</a>                  |                   |
| num_records | integer                                 | Number of records |
| records     | array[ <a href="#">shadowcopy_set</a> ] |                   |

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "keep_snapshots": 1,
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "uuid": "f8328660-00e6-11e6-80d9-005056bd65a9"
    }
  ]
}
```

## Error

Status: Default, Error

| Name  | Type                           | Description |
|-------|--------------------------------|-------------|
| error | <a href="#">returned_error</a> |             |

### Example error

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

### Definitions

## See Definitions

href

| Name | Type   | Description |
|------|--------|-------------|
| href | string |             |

\_links

| Name | Type                 | Description |
|------|----------------------|-------------|
| next | <a href="#">href</a> |             |
| self | <a href="#">href</a> |             |

\_links

| Name | Type                 | Description |
|------|----------------------|-------------|
| self | <a href="#">href</a> |             |

svm

SVM, applies only to SVM-scoped objects.

| Name   | Type                   | Description                                                                         |
|--------|------------------------|-------------------------------------------------------------------------------------|
| _links | <a href="#">_links</a> |                                                                                     |
| 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. |

shadowcopy\_set

| Name           | Type                | Description                                                                                             |
|----------------|---------------------|---------------------------------------------------------------------------------------------------------|
| keep_snapshots | boolean             | Request the storage system to keep the snapshot copies taken as a part of the shadow copy set creation. |
| svm            | <a href="#">svm</a> | SVM, applies only to SVM-scoped objects.                                                                |
| uuid           | string              | The universally-unique identifier of the storage's shadow copy set.                                     |

#### error\_arguments

| Name    | Type   | Description      |
|---------|--------|------------------|
| code    | string | Argument code    |
| message | string | Message argument |

#### returned\_error

| Name      | Type                                     | Description                                 |
|-----------|------------------------------------------|---------------------------------------------|
| arguments | array[ <a href="#">error_arguments</a> ] | Message arguments                           |
| code      | string                                   | Error code                                  |
| message   | string                                   | Error message                               |
| target    | string                                   | The target parameter that caused the error. |

## Retrieve a shadow copy set

GET /protocols/cifs/shadowcopy-sets/{uuid}

**Introduced In:** 9.11

Retrieves a Shadowcopy set

### Related ONTAP commands

- `vserver cifs shadowcopy show-sets`

### Learn more

- [DOC /protocols/cifs/shadow-copies](#)

### Parameters

| Name   | Type          | In    | Required | Description                   |
|--------|---------------|-------|----------|-------------------------------|
| uuid   | string        | path  | True     | Storage shadowcopy set ID.    |
| fields | array[string] | query | False    | Specify the fields to return. |

## Response

Status: 200, Ok

| Name           | Type                | Description                                                                                             |
|----------------|---------------------|---------------------------------------------------------------------------------------------------------|
| keep_snapshots | boolean             | Request the storage system to keep the snapshot copies taken as a part of the shadow copy set creation. |
| svm            | <a href="#">svm</a> | SVM, applies only to SVM-scoped objects.                                                                |
| uuid           | string              | The universally-unique identifier of the storage's shadow copy set.                                     |

## Example response

```
{
  "keep_snapshots": 1,
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "f8328660-00e6-11e6-80d9-005056bd65a9"
}
```

## Error

Status: Default, Error

| Name  | Type                           | Description |
|-------|--------------------------------|-------------|
| error | <a href="#">returned_error</a> |             |

### Example error

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

### Definitions

## See Definitions

href

| Name | Type   | Description |
|------|--------|-------------|
| href | string |             |

\_links

| Name | Type                 | Description |
|------|----------------------|-------------|
| self | <a href="#">href</a> |             |

svm

SVM, applies only to SVM-scoped objects.

| Name   | Type                   | Description                                                                         |
|--------|------------------------|-------------------------------------------------------------------------------------|
| _links | <a href="#">_links</a> |                                                                                     |
| 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[ <a href="#">error_arguments</a> ] | Message arguments                           |
| code      | string                                   | Error code                                  |
| message   | string                                   | Error message                               |
| target    | string                                   | The target parameter that caused the error. |

# Update a shadow copy set

PATCH /protocols/cifs/shadowcopy-sets/{uuid}

Introduced In: 9.11

Updates a Shadowcopy set

## Learn more

- [DOC /protocols/cifs/shadowcopy](#)

## Parameters

| Name | Type   | In   | Required | Description                |
|------|--------|------|----------|----------------------------|
| uuid | string | path | True     | Storage shadowcopy set ID. |

## Request Body

| Name           | Type                | Description                                                                                             |
|----------------|---------------------|---------------------------------------------------------------------------------------------------------|
| keep_snapshots | boolean             | Request the storage system to keep the snapshot copies taken as a part of the shadow copy set creation. |
| svm            | <a href="#">svm</a> | SVM, applies only to SVM-scoped objects.                                                                |
| uuid           | string              | The universally-unique identifier of the storage's shadow copy set.                                     |

## Example request

```
{
  "keep_snapshots": 1,
  "svm": {
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "f8328660-00e6-11e6-80d9-005056bd65a9"
}
```

## Response

Status: 200, Ok

## Error

Status: Default

### ONTAP Error Response Codes

| Error Code | Description                                                      |
|------------|------------------------------------------------------------------|
| 262196     | The 'svm' field is not supported in the body of a PATCH request. |

## Definitions

## See Definitions

href

| Name | Type   | Description |
|------|--------|-------------|
| href | string |             |

\_links

svm

SVM, applies only to SVM-scoped objects.

| Name | Type   | Description                                                                         |
|------|--------|-------------------------------------------------------------------------------------|
| 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. |

shadowcopy\_set

| Name           | Type                | Description                                                                                             |
|----------------|---------------------|---------------------------------------------------------------------------------------------------------|
| keep_snapshots | boolean             | Request the storage system to keep the snapshot copies taken as a part of the shadow copy set creation. |
| svm            | <a href="#">svm</a> | SVM, applies only to SVM-scoped objects.                                                                |
| uuid           | string              | The universally-unique identifier of the storage's shadow copy set.                                     |

error\_arguments

| Name    | Type   | Description      |
|---------|--------|------------------|
| code    | string | Argument code    |
| message | string | Message argument |

returned\_error

| Name      | Type                                     | Description                                 |
|-----------|------------------------------------------|---------------------------------------------|
| arguments | array[ <a href="#">error_arguments</a> ] | Message arguments                           |
| code      | string                                   | Error code                                  |
| message   | string                                   | Error message                               |
| target    | string                                   | The target parameter that caused the error. |

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