

A Guide to Using Securden APIs

Securden makes use of a token-based authentication for API-based access to passwords. To programmatically access an account through API, you need a URL and an Auth Token. Following are the typical steps, illustrated through an example to retrieve passwords:

Step 1: Create and copy the Auth Token from **Admin >>General >> Authentication Token for API Access**.

Step 2: Refer to the guide below to construct the URL.

Step 3: Supply the URL and the Auth Token to the calling application.

Example: If you are using curl, you will create it as follows:

```
curl -k -H "authtoken: <Token>" -X GET <URL>
```

```
curl -k -H "authtoken: d23837b2-cb8d-47bc-9fff-11e5a857311e" -X  
GET https://localhost:5454/api/get\_password?account\_id=1000000000147
```

List of APIs

To retrieve the password of an account

```
GET /api/get_password
```

Input data (arguments):

account_id (Required)
Long

URL: curl -k -H "authtoken: <Token>" -X GET <URL>

Example:

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" -X GET  
https://localhost:5454/api/get\_password?account\_id=1000000000147
```

To get the list of folders that are owned and managed

```
GET /api/get_folders
```

Input data (arguments): None

URL: curl -k -H "authtoken: <Token>" -X GET <URL>

Example:

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" -X GET  
https://localhost:5454/api/get\_folders
```

To add a folder

POST /api/add_folder

Input data (arguments):

folder_name (Required)
String

description (optional)
String

parent_folder_id (optional)
Long

inherit_parentsshare (optional)
Boolean

Example:

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data-urlencode  
"folder_name=sample" --data-urlencode "description=sample description" --data  
"parent_folder_id=1000000027810" --data "inherit_parentsshare=true" -X POST  
https://localhost:5454/api/add\_folder
```

To edit a folder

PUT /api/edit_folder

Input data (arguments):

folder_id (Required)
Long

folder_name (optional)
String

description (optional)
String

parent_folder_id (optional)
Long

inherit_parentsshare (optional)
Boolean

Example:

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data  
"folder_id=1000000027810" --data-urlencode "folder_name=sample" --data-urlencode  
"description=sample description" -X PUT https://localhost:5454/api/edit_folder
```

To delete a folder

DELETE /api/delete_folders

Input data (arguments):

folder_ids (Required)
List

Example:

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data  
"folder_ids=[1000000009229]" -X DELETE https://localhost:5454/api/delete_folders
```

To add accounts to a folder

POST /api/add_accounts_to_folder

Input data (arguments):

folder_id (Required)
Long

account_ids (Required)
List

Example:

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data  
"folder_id=1000000009229" --data "account_ids=[1000000000145,1000000000130]" -  
X POST https://localhost:5454/api/add_accounts_to_folder
```

To remove accounts from a folder

DELETE /api/remove_accounts_from_folder

Input data (arguments):

folder_id (Required)

Long

account_ids (Required)

List

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data  
"folder_id=1000000009229" --data "account_ids=[1000000000145,1000000000130]" -  
X DELETE https://localhost:5454/api/remove_accounts_from_folder
```

To view folder share permissions

GET /api/get_folder_share_permissions

Input data (arguments):

folder_id (Required)

Long

Example:

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" -X GET  
https://localhost:5454/api/get_folder_share_permissions?folder_id=10000000021  
49
```

To share a folder to users/groups

POST /api/share_folder

Input data (arguments):

folder_id (Required)

Long

user_ids (either user_ids or group_ids is required)

List

group_ids (either user_ids or group_ids is required)

List

folder_privilege (required)

String

Allowed values: manage_folder, add_account, view_folder

account_privilege (required) (If folder level privilege is 'manage', the account_privilege can only be 'manage')

String

Allowed values: mask, view, modify, manage

Example:

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data
"folder_id=1000000009229" --data "group_ids=[1000000009933,1000000009644]" --
data "folder_privilege=add_account" --data "account_privilege=" -X POST
https://localhost:5454/api/share_folder
```

To remove share permission of a folder for users/groups

DELETE /api/remove_folder_share

Input data (arguments):

folder_id (Required)
Long

user_ids (either user_ids or group_ids is required)
List

group_ids (either user_ids or group_ids is required)
List

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data
"folder_id=1000000009229" --data "user_ids=[1000000009917]" --data
"group_ids=[1000000009933]" -X DELETE
https://localhost:5454/api/remove_folder_share
```

To get a list of user groups

GET /api/get_groups

Input data (arguments): None

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" -X GET
https://localhost:5454/api/get_groups
```

To add a user group

POST /api/add_group

Input data (arguments):

group_name (Required)
String

description (optional)
String

Example:

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data-urlencode "group_name=sample" --data-urlencode "description=sample description" -X POST https://localhost:5454/api/add_group
```

To edit a user group

PUT /api/edit_group

Input data (arguments):

group_id (Required)
Long

group_name (optional)
String

description (optional)
String

Example:

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data-urlencode group_id=1000000027879 "group_name=sample" --data-urlencode "group_desc=sample description" -X PUT https://localhost:5454/api/edit_group
```

To delete a user group

DELETE /api/delete_groups

Input data (arguments):

group_ids (Required)
List

Example:

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data "group_ids=[1000000027879]" -X DELETE https://localhost:5454/api/delete_groups
```

To add members to a user group

POST /api/add_members_to_group

Input data (arguments):

group_id (Required)
Long

user_ids (Required)
List

Example:

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data-urlencode "group_id=1000000027882" --data-urlencode "user_ids=[1000000020948]" -X POST https://localhost:5454/api/add_members_to_group
```

To remove members from a user group

DELETE /api/remove_members_from_group

Input data (arguments):

group_id (Required)
Long

user_ids (Required)
List

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data "group_id=1000000027882" --data "user_ids=[1000000020948]" -X DELETE https://localhost:5454/api/remove_members_from_group
```

To get the list of users that are part of a user group

GET /api/get_users_of_group

Input data (arguments):

group_id (Required)
Long

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" -X GET https://localhost:5454/api/get_users_of_group?group_id=1000000027882
```

List accounts

GET /api/get_accounts

Input data (arguments):

folder_id
Long

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" -X GET  
https://localhost:5454/api/get\_accounts
```

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" -X GET  
https://localhost:5454/api/get\_accounts?folder\_id=1000000027882
```

List account share permissions

GET /api/get_account_share_permissions

Input data (arguments):

account_id(Required)
Long

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" -X GET  
https://localhost:5454/api/get\_account\_share\_permissions?account\_id=1000000027882
```

Add share to account

POST /api/share_account

Input data (arguments):

account_id(Required)
Long
user_ids
List
group_ids
List
account_access_privilege
String

Allowed values: mask, view, modify, manage

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data  
"account_id=1000000009229" --data "user_ids=[1000000009933,1000000009644]" --
```

```
data "group_ids=[1000000009933,1000000009644]" --data  
"account_access_privilege=modify" -X POST https://localhost:5454/api/share_account
```

Remove share from account

DELETE /api/remove_account_share

Input data (arguments):

account_id(Required)

Long

user_ids

List

group_ids

List

```
curl -k -H "authtoken: a8deffe7-5301-4034-ade8-1ba73f72e262" --data  
"account_id=100000000324" --data "user_ids=[10000000027879]" --data  
"group_ids=[10000000027879]" -X DELETE  
https://localhost:5454/api/remove_account_share
```
