

Import

To import user should enter/paste the value to 'Import' text area and press 'Import' button:

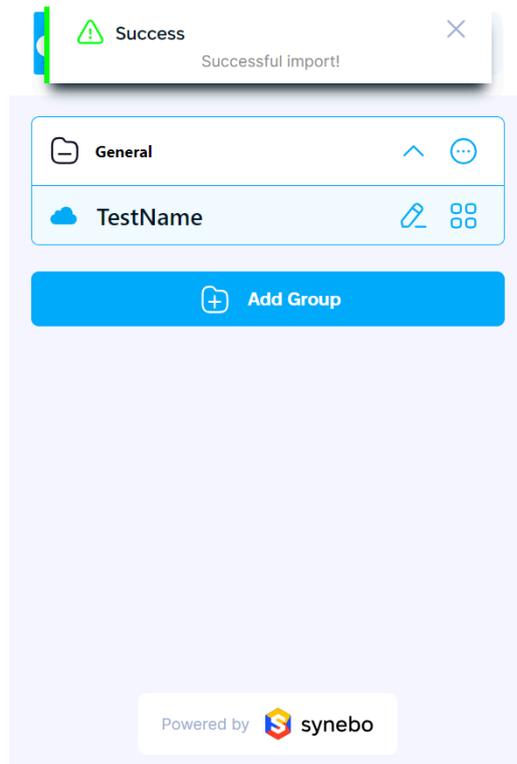
The screenshot shows a web interface titled "Import & Export". At the top, there are two buttons: "Import JSON" (highlighted with a blue border) and "Export". Below these is a large, light blue text area with the placeholder text "Paste your JSON". At the bottom of the interface is a prominent blue button with a white download icon and the text "Import". The text "isOpe" is visible at the bottom right corner of the interface area.

If the user presses on 'Import' button and enters data is valid, then user will be redirected to the group list page, where would be displayed all imported groups and credentials and the success alert message x'Successful import!' will be shown.

Example:

```
{"SfName":"TestSfName","Name":"TestName","Password":"TestPassword","Token":"TestToken","Description":"TestDescription","orgId":"TestOrgId","alias":"TestAlias","Type":{"Id":"Production"}}
```

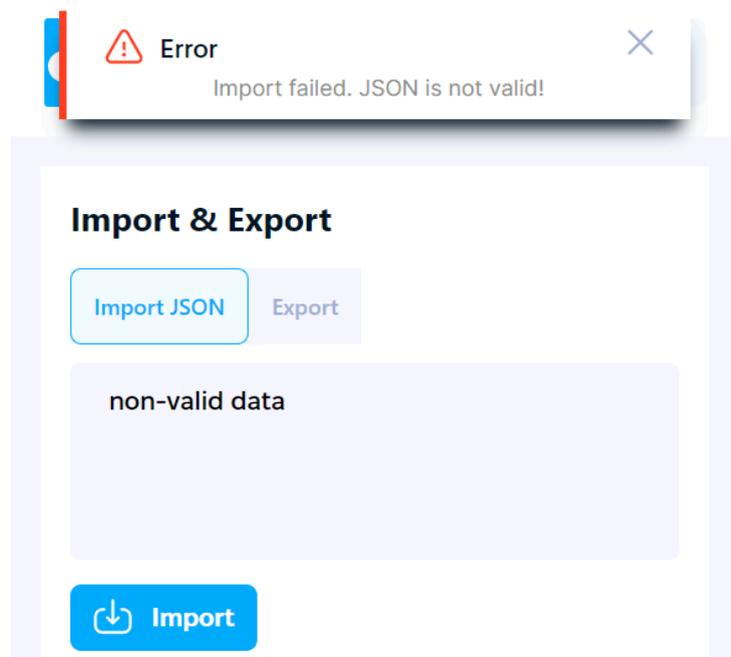
Here, the user imported a valid credential and after he pressed the 'Import' button he was redirected to group list page and successful alert message was shown:



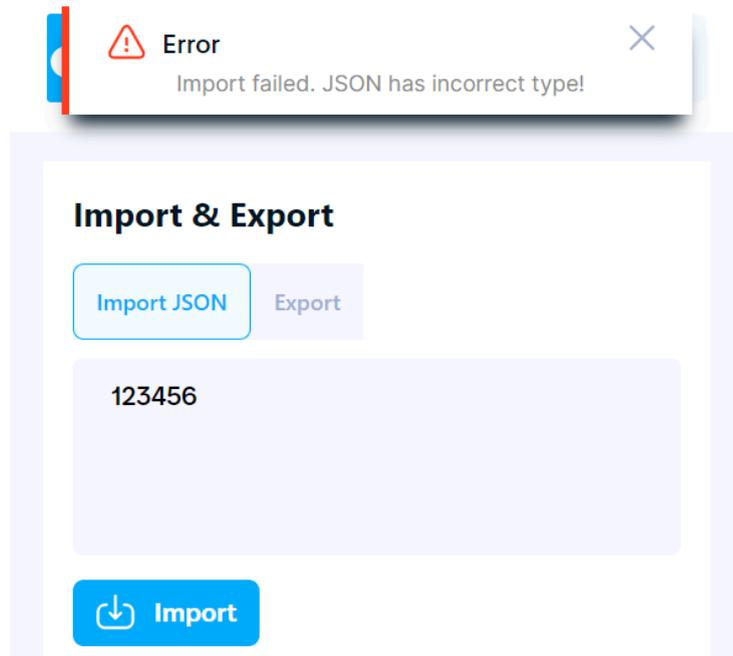
Basic entered data validation

If the user has nothing entered or he entered only spaces and then press on 'Import' button, nothing will happen.

If the user enters a value and it's not only spaces (if only spaces – nothing will happen) and presses the 'Import' button, we will check if this value is JSON valid. JSON valid value – is value that can pass `JSON.parse()` checking correctly. If the entered value is not valid, then the error alert message 'Import failed. JSON is not valid!' will be shown:



If user entered value and it passed JSON.parse() checking correctly, then we will check if entered value has type 'object', that need to work only with correct data, because technically entered data can pass JSON.parse() checking correctly, but still be non-valid. Type 'object' can have arrays and objects (only with this type Import logic can work). If entered value is not valid, then error alert message 'Import failed. JSON has incorrect type!' will be shown:



If user passed all previous steps, that's mean that entered value can be ready for importing, but we still need to understand if user want to import only one credential, credentials or group with credentials. So exist 3 options to import credentials:

- Import only one credential, entered value should look like(here will be added 1 credential to default 'General' group):

```
{
  "Name": "TestName",
  "SfName": "TestSfName",
  "Password": "TestPassword",
  "Token": "TestToken",
  "Description": "TestDescription",
  "orgId": "TestOrgId",
  "alias": "TestAlias",
  "Type": {
    "Id": "Production"
  }
}
```
- Import several credentials (array of credentials), entered value should look like(here will be added 2 credentials to default 'General' group):

```
[
  {
    "Name": "TestName",
    "SfName": "TestSfName",
    "Password": "TestPassword",
    "Token": "TestToken",
    "Description": "TestDescription",
    "orgId": "TestOrgId",
    "alias": "TestAlias",
    "Type": {
      "Id": "Production"
    }
  },
  {
    "Name": "TestName2",
    "SfName": "TestSfName2",
    "Password": "TestPassword2",
    "Token": "TestToken2",
    "Description": "TestDescription2",
    "orgId": "TestOrgId2",
    "alias": "TestAlias2",
    "Type": {
      "Id": "Sandbox"
    }
  }
]
```
- Import groups and credentials, that related to each of group(here will be added 2 credentials to default 'General' group and will be created group 'NewGroup' with 1 credential):

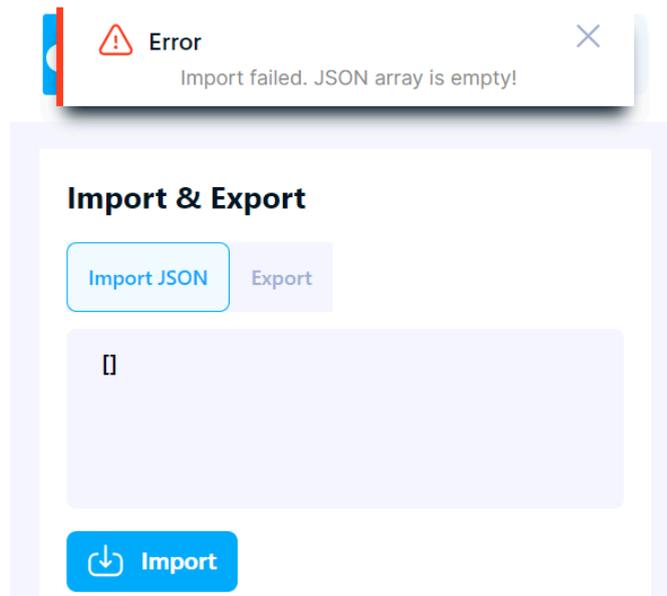
```
{
  "groups": [
    {
      "Name": "General",
      "isOpen": true,
      "credentials": [
        {
          "Name": "TestName",
          "SfName": "TestSfName",
          "Password": "TestPassword",
          "GroupId": "Require",
          "Type": {
            "Id": "Production",
            "Domain": "https://login.salesforce.com/",
            "LP": "HOME",
            "landingPageOtherUrl": ""
          },
          "Description": "TestDescription",
          "Token": "TestToken",
          "orgId": "TestOrgId",
          "alias": "TestAlias"
        },
        {
          "Name": "TestName2",
          "SfName": "TestSfName2",
          "Password": "TestPassword2",
          "GroupId": "Require",
          "Type": {
            "Id": "Sandbox",
            "Domain": "https://test.salesforce.com/",
            "LP": "HOME",
            "landingPageOtherUrl": ""
          },
          "Description": "TestDescription2",
          "Token": "TestToken2",
          "orgId": "TestOrgId2",
          "alias": "TestAlias2"
        }
      ]
    },
    {
      "Name": "NewGroup",
      "isOpen": true,
      "credentials": [
        {
          "Name": "TestName3",
          "SfName": "TestSfName3",
          "Password": "TestPassword3",
          "GroupId": "Require",
          "Type": {
            "Id": "Production",
            "Domain": "https://login.salesforce.com/",
            "LP": "HOME",
            "landingPageOtherUrl": ""
          },
          "Description": "TestDescription3",
          "Token": "TestToken3",
          "orgId": "TestOrgId3",
          "alias": "TestAlias3"
        }
      ]
    }
  ]
}
```

```
ord": "TestPassword3", "Type": {"Id": "Production"}, "Description": "TestDescription3", "Token": "TestToken3", "orgId": "TestOrgId3", "alias": "TestAlias3"}]]}]}
```

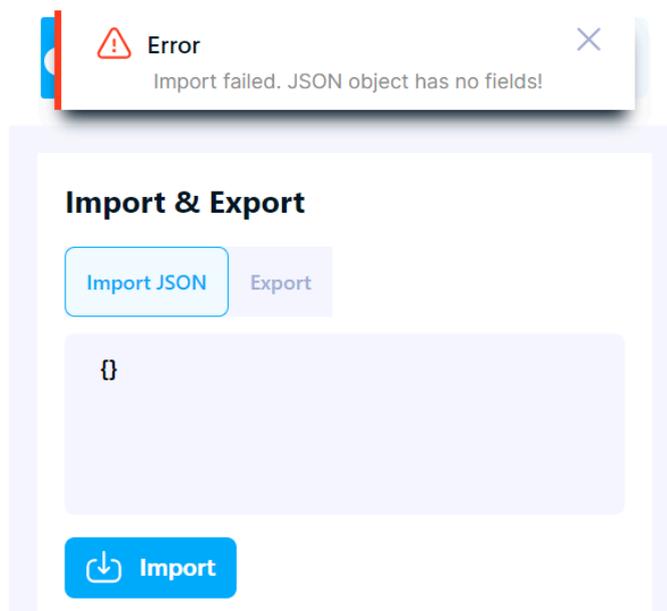
Lets look at each option more detailed.

Import only credentials, its 1 and 2 option, technically this options are the same(using the same import logic after several checks).

So first we will check if entered value is array(user want to import several credentials, 2 option), if its really array, but its empty, then error alert message 'Import failed. JSON array is empty!' will be shown:



If its not array, but type of entered value is 'object', then it can be object and user want to add only one credential(1 option), first of all we check if this object hasn't have 'groups' field, because if it has, then user want to import groups with credential(it's a 3 option, we will look at it later), next we will check if this object has fields(for now id doesn't matters what fields it contains), if this object empty, then error alert message 'Import failed. JSON object has no fields!' will be shown:

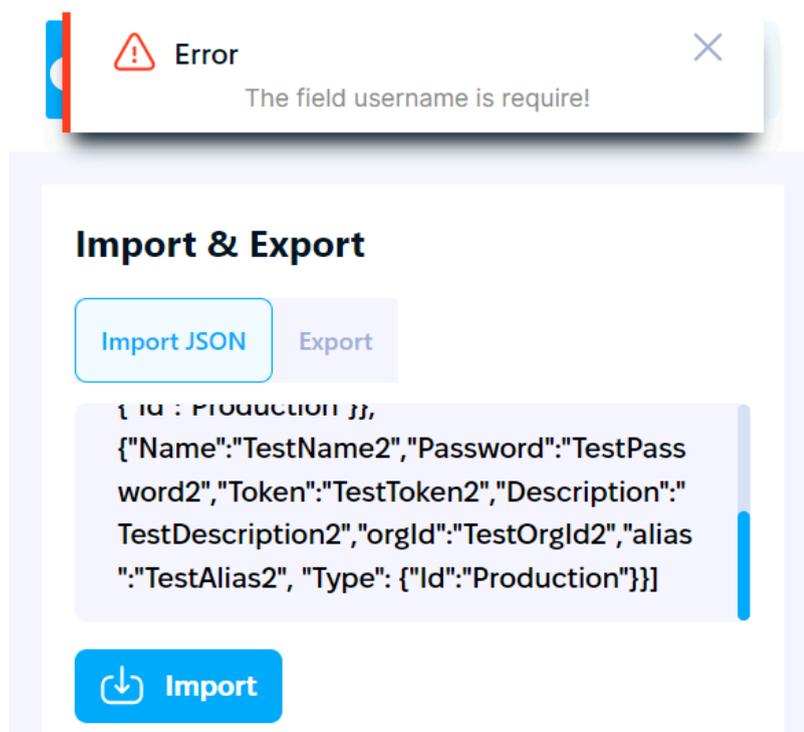


If array is not empty or object has fields, then data passed first validation step, at this moment we will use the same algorithm, regardless of whether it's an array (2 option) or an object (1 option), because object will be transformed to array.

In this algorithm we will check every array element (credential), and only if all array elements (credentials) successful passed checking, after this they will be added to extension. **Even if only 1 of credentials will have error, no credential will be added to extension**, only after fix this error credentials will be added. Example:

```
[{"Name":"TestName","SfName":"TestSfName","Password":"TestPassword","Token":"TestToken",  
"Description":"TestDescription","orgId":"TestOrgId","alias":"TestAlias", "Type":  
{"Id":"Production"}}, {"Name":"TestName2","Password":"TestPassword2","Token":"TestToken2", "  
Description":"TestDescription2","orgId":"TestOrgId2","alias":"TestAlias2", "Type":  
{"Id":"Production"}}]
```

Here user missed 'SfName' (username) field in 2 credential, that's will stop the import process until this error will be fixed (event if previous credentials passed checking successfully), so error alert message 'The field username is required!' will be shown:



Based on data that every imported credential contains will be created a new credential. Lets see more detailed how it would work.

First of all lets find out what credential fields import support (string register is important):

- 'Name' – non-important field;
- 'SfName' – important field;
- 'Password' – important field;
- 'GroupId' – non-important field;
- 'Token' – non-important field;
- 'Description' – non-important field;
- 'color' – non-important field;
- 'alias' – non-important field;

- 'orgId' – non-important field;
- 'Type' – important field;
 - 'Id' – important field ('Production', 'Sandbox', 'Developer', 'PreRelease', 'CustomUrl', 'Community');
 - 'Domain' – important field if 'Id' has 'CustomUrl' or 'Community' value;
 - 'LP' – non-important field ('HOME', 'REPORT', 'CHATTER', 'SETUP', 'OTHER');
 - 'landingPageOtherUrl' – important field if 'LP' has 'OTHER' value.

Import credential fields validation

Here will be present validation logic of every field of import credential.

Custom credential import field

If user entered custom fields, which extension doesn't support, they will be ignored.

Example:

```
{"CustomField": "CustomValue", "Name": "TestName", "SfName": "TestSfName", "Password": "TestPassword", "Type": {"Id": "Sandbox"}}
```

Custom field 'CustomField' field will be ignored and didn't add to final credential:

```
▼ f0b7b-968f-4a25-abbf-2164584023b8:
  $$code: "wpwUwrA7wrEwoM/DMKfwpIUKsO/Ns0oworCn8KpVM0KwqEyw53CqcOuw5Rawq3CjTrCn8K0w7XctsKGTMOiw7RqbsODw43CkltIw7Az"
  Description: ""
  GroupId: "Require"
  Id: "f0b7b-968f-4a25-abbf-2164584023b8"
  Name: "TestName"
  Password: ""
  SfName: "TestSfName"
  Token: ""
  ▶ Type: {Domain: 'https://test.salesforce.com/', Id: 'Sandbox', LP: 'HOME', landingPageOtherUrl: ''}
  ▶ UpdateDate: {}
  alias: ""
  color: ""
  orgId: ""
  ▶ [[Prototype]]: Object
```

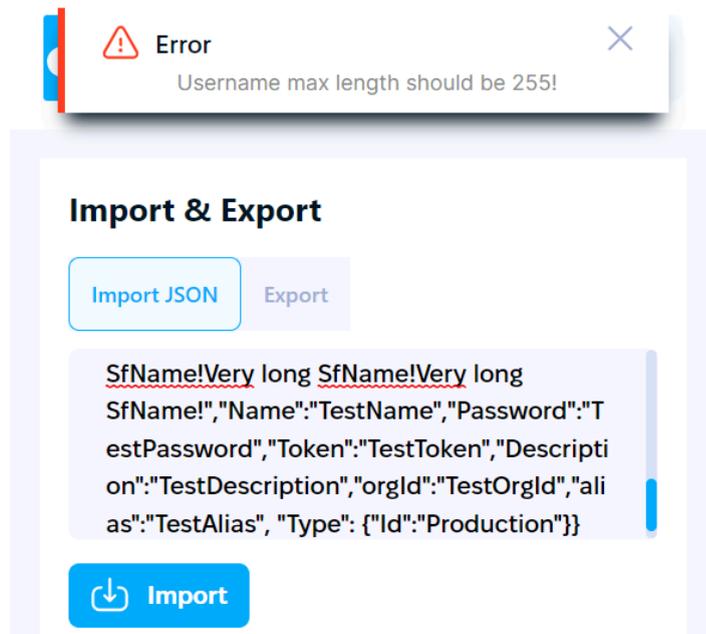
'Name' credential import field

Name – non important value, that's mean that if user didn't mention this field or value of this field will be empty, no error will be displayed. **But, we cant displayed credential without name, that's will be not comfortable for user, so we will get 'Name' value from 'SfName' field and put it to the 'Name' field (if user didn't mention it, or it empty).**

Example:

```
{"SfName": "TestSfName", "Password": "TestPassword", "Token": "TestToken", "Description": "TestDescription", "orgId": "TestOrgId", "alias": "TestAlias", "Type": {"Id": "Production"}}
```

At this example user missed 'Name' field, but credential will be create and credential 'Name' will be taken from 'SfName' field value:



But what if value of 'SfName' already using by another credential? Well, everything depends on what value does 'Domain' field contains. If 'SfName' and 'Domain' values of imported credential and 'SfName' and 'Domain' values of already created credentials are the same, then we will take values of 'Name', 'Password', 'Token', 'Type' (Id, Domain, LP, landingPageOtherUrl). We need to use this logic because user cant use the same 'SfName' twice at the same 'Domain'!

Example:

Credential that already exist:

```
{"SfName":"TestSfName","Name":"TestName","Password":"TestPassword","Token":"Test  
Token","Description":"TestDescription","orgId":"TestOrgId","alias":"TestAlias", "Type":  
{"Id":"Production"}}
```

Credential with same 'SfName' and 'Domain' values:

```
{"SfName":"TestSfName","Name":"UpdateTestName","Password":"UpdateTestPassword"  
,"Token":"UpdateTestToken","Description":"TestDescription","orgId":"TestOrgId","alias":  
TestAlias", "Type": {"Id":"Production","LP":"REPORT"}}
```

In this example user import one credential and then another with the same 'SfName' and 'Domain', which means that 'Name', 'Password', 'Token', 'Type' (Id, Domain, LP, landingPageOtherUrl) fields of the old credential will be replaced with the same fields of new credential.

General	General
Production	Production
Default page - Home	Report
TestName	UpdateTestName
TestSfName	TestSfName
TestPassword	UpdateTestPassword
TestToken	UpdateTestToken
TestOrgId	TestOrgId
TestAlias	TestAlias
TestDescription	TestDescription

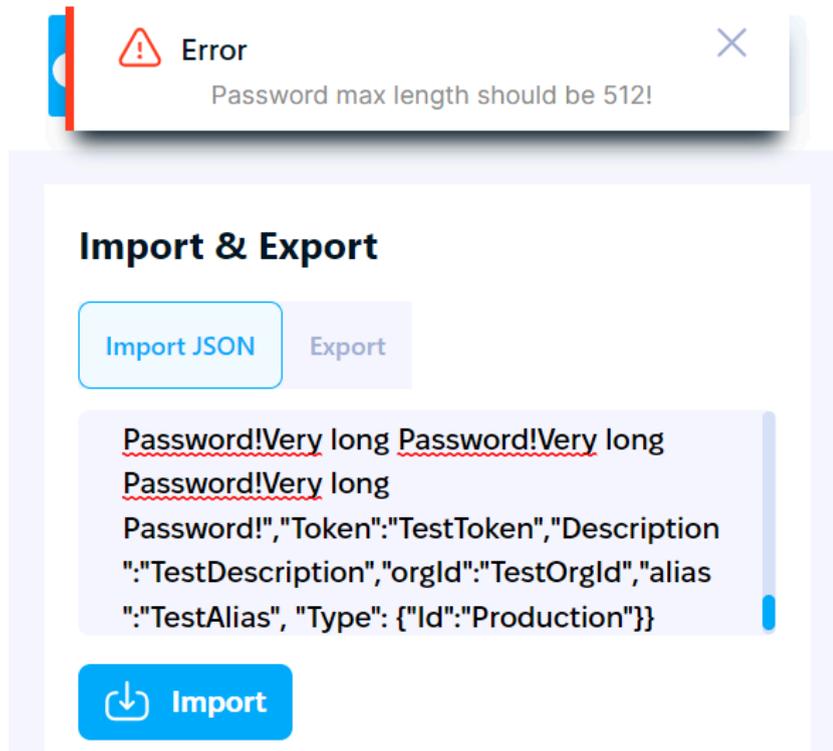
'Password' credential import field

Password - important field, that`s mean that if user didn`t mention this field or value of this field will be empty, error will be displayed.

Example:

```
{ "SfName": "TestSfName", "Name": "TestName", "Token": "TestToken", "Description": "TestDescription", "orgId": "TestOrgId", "alias": "TestAlias", "Type": { "Id": "Production" } }
```

Here user missed 'Password' field, so error alert message 'The field password is required!' will be shown:



'GroupId' credential import field

GroupId – non important value, that`s mean that if user didn`t mention this field or value of this filed will be empty, no error will be displayed.

By default, if user didn`t use this field, or his value is empty, then credential will be added to 'General' group.

To add credential to specific group user should fill this field with Id of the group which already exist.

Example:

```

{"SfName":"TestSfName-2","Name":"TestName-2","Password":"TestPassword-2","Token":"TestToken-2","Description":"TestDescription-2","orgId":"TestOrgId-2","alias":"TestAlias-2","GroupId":"ab6e3-3659-4539-8d4c-da93ae2755e0","Type":{"Id":"Production"}}

```

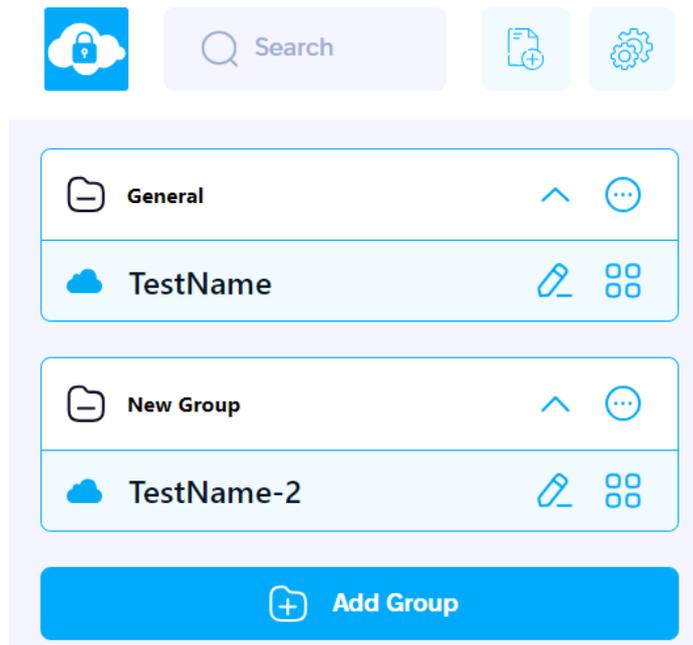
List of existing groups (and their Id`s):

```

▼ {7be7f-125f-44f9-984d-538fc188d802: {...}, groupList: Array(2), settings: {...}, version: 5} ⓘ
  ▶ 7be7f-125f-44f9-984d-538fc188d802: {$$code: 'w6ZQw6J+wqYPAU04wrrCvcOrw43C1mhsqw8URkgSes0kB801U8OCFTTrCh80aHs0+w5...
  ▼ groupList: Array(2)
    ▶ 0: {Id: 'Require', Index: 0, Name: 'General', isOpen: true}
    ▶ 1: {Id: 'ab6e3-3659-4539-8d4c-da93ae2755e0', Index: 1, Name: 'New Group', isOpen: false}
      length: 2
    ▶ [[Prototype]]: Array(0)
  ▶ settings: {$$iv: '6cb9f22e559a6b39e26863ac40b0aed2', $$key: 'a22c757353a051268803fedef4f73e89a208af88e3332f72df...
    version: 5
  ▶ [[Prototype]]: Object

```

Here user added new credential to 'New Group' group that has 'ab6e3-3659-4539-8d4c-da93ae2755e0' Id:

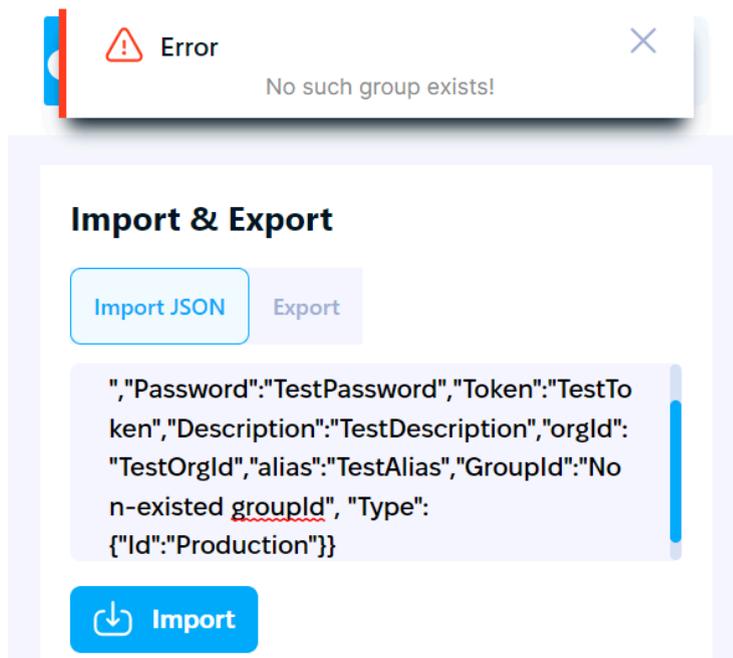


But if user filled 'GroupId' with non-existed value, then error alert message 'No such group exists!' will be shown.

Example:

```
{"SfName": "TestSfName", "Name": "TestName", "Password": "TestPassword", "Token": "TestToken", "Description": "TestDescription", "orgId": "TestOrgId", "alias": "TestAlias", "GroupId": "Non-existed groupId", "Type": {"Id": "Production"}}
```

Here user fill 'GroupId' field with group Id that not exist:



'Token' credential import field

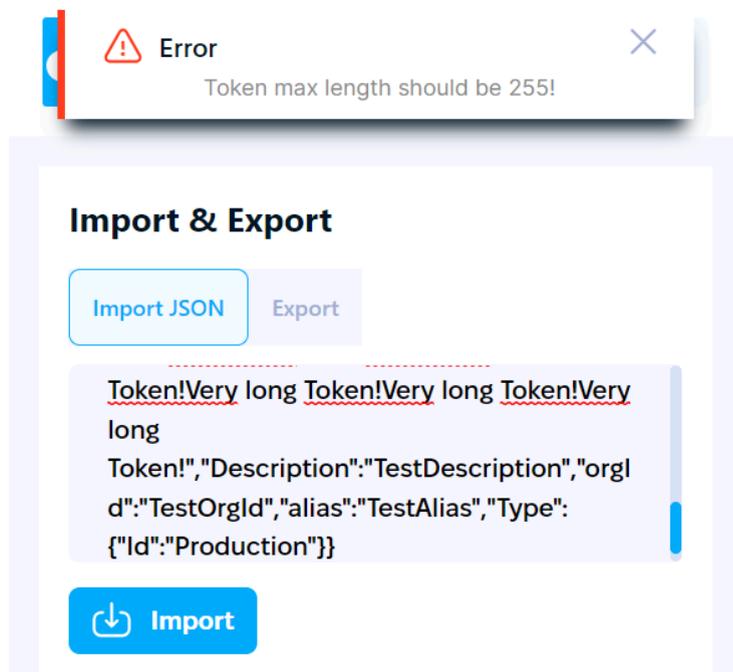
Token – non important value, that`s mean that if user didn`t mention this field or value of this filed will be empty, no error will be displayed.

If value of `Token` field is not empty, and length of this value is more than 254 symbols, then error alert message `Token max length should be less than 255!` will be shown.

Example:

```
{"SfName":"TestSfName","Name":"TestName","Password":"TestPassword","Token":" Very long  
Token!Very long Token!Very long Token!Very long Token!Very long Token!Very long Token!Very  
long Token!Very long Token!Very long Token!Very long Token!Very long Token!Very long  
Token!Very long Token!Very long Token!Very long Token!Very long Token!Very long  
Token!","Description":"TestDescription","orgId":"TestOrgId","alias":"TestAlias","Type":  
{"Id":"Production"}}
```

Here user trying to import credential with `Token` field which has more than 254 symbols:



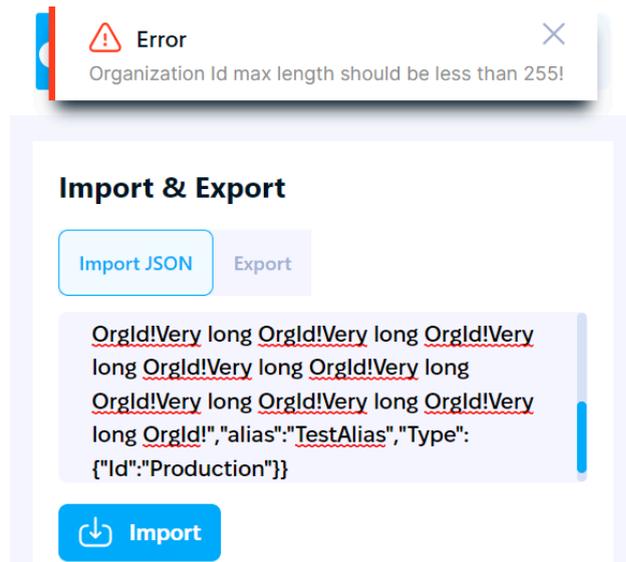
‘Description’ credential import field

Description – non important value, that`s mean that if user didn`t mention this field or value of this filed will be empty, no error will be displayed.

If value of `Description` field is not empty, and length of this value is more than 511 symbols, then error alert message `Token max length should be less than 512!` will be shown.

Example:

```
{"SfName":"TestSfName","Name":"TestName","Password":"TestPassword","Token":"TestToken","  
Description":"Very long Description!Very long Description!Very long Description!Very long  
Description!Very long Description!Very long Description!Very long Description!Very long  
Description!","orgId":"TestOrgId","alias":"TestAlias","Type":{"Id":"Production"}}
```

'Type' credential import field

Type – important field, which means that if the user didn't mention this field or the value of this field will be empty, an error would be displayed.

If the user didn't mention 'Type' field, or this field is not an object, then error alert message 'The field type is required!' will be shown.

Example:

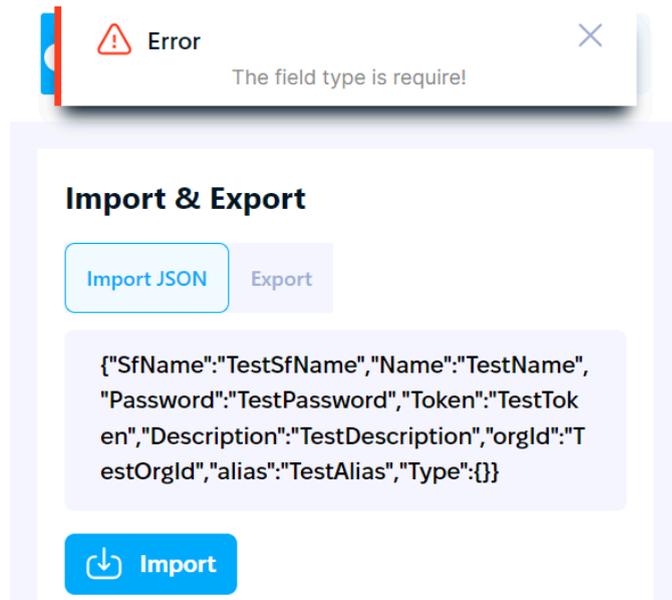
Credential without 'Type' field:

```
{"SfName":"TestSfName","Name":"TestName","Password":"TestPassword","Token":"Test Token","Description":"TestDescription","orgId":"TestOrgId","alias":"TestAlias"}
```

Credential 'Type' field is not an object:

```
{"SfName":"TestSfName","Name":"TestName","Password":"TestPassword","Token":"Test Token","Description":"TestDescription","orgId":"TestOrgId","alias":"TestAlias","Type":["Production"]}
```

Here user didn't mention 'Type' field or this field has an invalid value:



'Type.Id' credential import field

Id – important field (inner field of the 'Type' field), which means that if the user didn't mention this field or the value of this field will be empty, an error would be displayed.

If user didn't mention 'Id' field or value doesn't support by extension (extension support only: 'Production', 'Sandbox', 'Developer', 'PreRelease', 'CustomUrl', 'Community'), then error alert message 'The field Id is required!' will be shown.

Example:

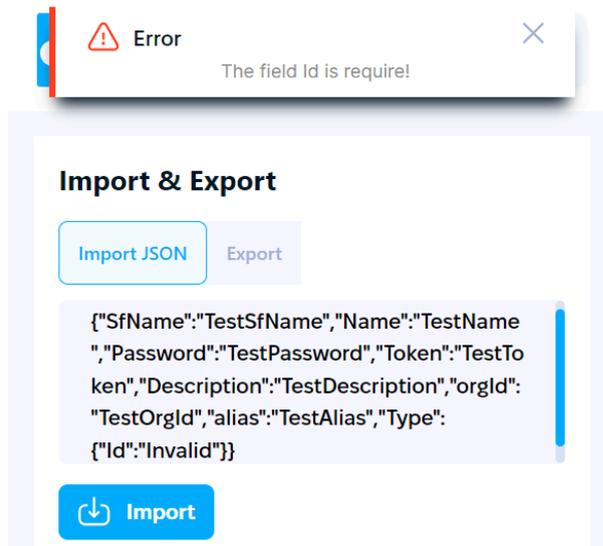
Credential without 'Id' field:

```
{"SfName":"TestSfName","Name":"TestName","Password":"TestPassword","Token":"Test  
Token","Description":"TestDescription","orgId":"TestOrgId","alias":"TestAlias","Type":{}}
```

Credential with invalid 'Id' field:

```
{"SfName":"TestSfName","Name":"TestName","Password":"TestPassword","Token":"Test  
Token","Description":"TestDescription","orgId":"TestOrgId","alias":"TestAlias","Type":{"Id  
":"Invalid"}}
```

Here user didn't mention 'Id' field or field has an invalid value:



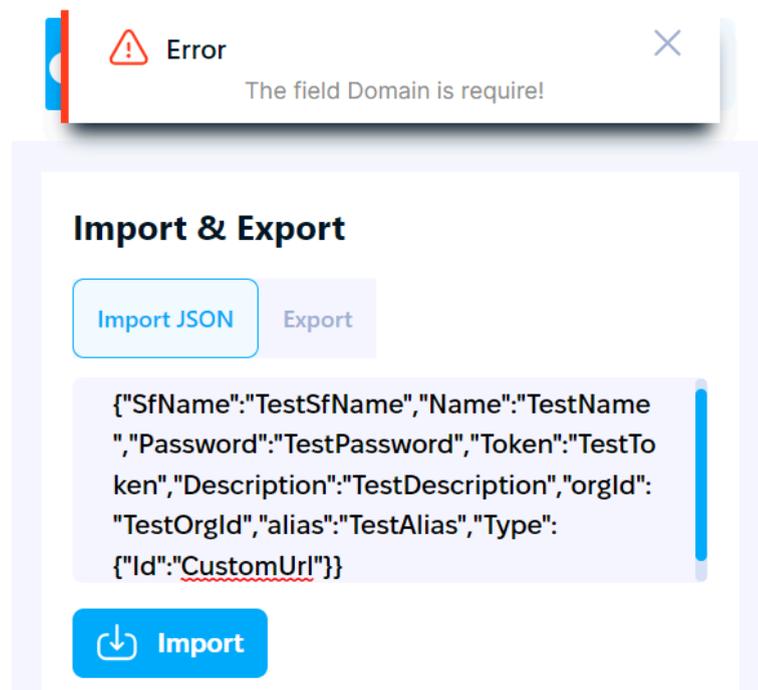
'Type.Domain' credential import field

Domain – non important value (inner field of the 'Type' field), that's mean that if user didn't mention this field or value of this field will be empty, no error will be displayed. **But if 'Id' field value is equal to 'CustomUrl' or 'Community', then 'Domain' field transform to important field. If the user didn't mention 'Domain' field, or this field is empty, then error alert message 'The field Domain is required!' will be shown.**

Example:

```
{
  "SfName": "TestSfName",
  "Name": "TestName",
  "Password": "TestPassword",
  "Token": "TestToken",
  "Description": "TestDescription",
  "orgId": "TestOrgId",
  "alias": "TestAlias",
  "Type": {
    "Id": "CustomUrl"
  }
}
```

Here user using 'CustomUrl' value for credential 'Id' field, but missed 'Domain' field.



User able to enter 2 variants of 'Domain' field value:

- With 'https' or 'http' protocol

- Without 'https' or 'http' protocol

If user using 'https://' or 'http://' part in his 'Domain' field value, then it will be saved without any changes.

Example:

```
{ "SfName": "TestSfName", "Name": "TestName", "Password": "TestPassword", "Token": "TestToken", "Description": "TestDescription", "orgId": "TestOrgId", "alias": "TestAlias", "Type": { "Id": "CustomUrl", "Domain": "https://domain.com" } }
```

Here 'Domain' value was added without any changes, because it contain 'https://' protocol

```
▼ a0c88-6c79-4dfd-9181-326e00bebebc:
  $$code: "wpQrJMObcUsgwq4+woXCkkI5Rh/CmMOGI8KwW6LCqcORKhsuCMOzDcK/Hy3DrcoDwpXDncKkwWlJHH7CnGMMETETw=="
  Description: "TestDescription"
  GroupId: "Require"
  Id: "a0c88-6c79-4dfd-9181-326e00bebebc"
  Name: "TestName"
  Password: ""
  SfName: "TestSfName"
  Token: ""
  ▶ Type: { Domain: 'https://domain.com', Id: 'CustomUrl', LP: 'HOME', landingPageOtherUrl: '' }
  ▶ UpdateDate: {}
  alias: "TestAlias"
  color: ""
  orgId: "TestOrgId"
  ▶ [[Prototype]]: Object
```

If user using domain without 'https://' or 'http://' protocol, then before user 'Domain' field value will be added 'https://' protocol and after user 'Domain' field value will be added 'my.salesforce.com'.

Example:

```
{ "SfName": "TestSfName", "Name": "TestName", "Password": "TestPassword", "Token": "TestToken", "Description": "TestDescription", "orgId": "TestOrgId", "alias": "TestAlias", "Type": { "Id": "CustomUrl", "Domain": "domain" } }
```

Here user using 'domain' value for 'Domain' field, without 'https://' or 'https://' protocol, so in this case before user domain will added 'https://' and after it 'my.salesforce.com'

```
▼ a6ca1-f22f-4fb7-9d5f-bb62d0928790:
  $$code: "wqHDjsOww7w0wrbCgcOLw6oTJcOgwrrDvsOnYzPCpsKJw5VwWpDCh8KHQUXCsh3CtQrDlMOxwPHCKsOue2ZcR8Kpw4DCuj/C1lnDncK0Zw=="
  Description: "TestDescription"
  GroupId: "Require"
  Id: "a6ca1-f22f-4fb7-9d5f-bb62d0928790"
  Name: "TestName"
  Password: ""
  SfName: "TestSfName"
  Token: ""
  ▶ Type: { Domain: 'https://domain.my.salesforce.com/', Id: 'CustomUrl', LP: 'HOME', landingPageOtherUrl: '' }
  ▶ UpdateDate: {}
  alias: "TestAlias"
  color: ""
  orgId: "TestOrgId"
  ▶ [[Prototype]]: Object
```

'Type.LP' credential import field

LP – non important value (inner field of the 'Type' field), that's mean that if user didn't mention this field or value of this field will be empty, no error will be displayed.

If user didn't mention 'LP' field or value doesn't support by extension(extension support only: ('HOME', 'REPORT', 'CHATTER', 'SETUP', 'OTHER')), then 'HOME' value will be used.

Example:

```
{"SfName":"TestSfName","Name":"TestName","Password":"TestPassword","Token":"TestToken","Description":"TestDescription","orgId":"TestOrgId","alias":"TestAlias","Type":{"Id":"Production","LP":"INVALID"}}
```

Here user use invalid value for 'LP' field

```
▼ 2bc29-af44-4b6c-bd50-9a5921c15a89:  
  $$code: "BwnCvwwDnERIE8Ktff0wwqQQZm08EQV8w7JJwrQbLMKiwo4SExzCmcORwpktwo/CiMOUBMKTU1fcCiCZ5wr9zw67Dqw=="  
  Description: "TestDescription"  
  GroupId: "Require"  
  Id: "2bc29-af44-4b6c-bd50-9a5921c15a89"  
  Name: "TestName"  
  Password: ""  
  SfName: "TestSfName"  
  Token: ""  
  ▶ Type: {Domain: 'https://login.salesforce.com/', Id: 'Production', LP: 'HOME', landingPageOtherUrl: ''}  
  ▶ UpdateDate: {}  
  alias: "TestAlias"  
  color: ""  
  orgId: "TestOrgId"  
  ▶ [[Prototype]]: Object
```

'Type.landingPageOtherUrl' credential import field

LandingPageOtherUrl – non important value (inner field of the 'Type' field), that's mean that if user didn't mention this field or value of this field will be empty, no error will be displayed.

If user didn't mention 'landingPageOtherUrl', then this field will be empty.

Example:

```
{"SfName":"TestSfName","Name":"TestName","Password":"TestPassword","Token":"TestToken","Description":"TestDescription","orgId":"TestOrgId","alias":"TestAlias","Type":{"Id":"Production"}}
```

Here user didn't mention 'landingPageOtherUrl' field, so it will have an empty value:

```
▼ 24fa7-78a2-413b-9a13-825b11ac7ddf:  
  $$code: "Gc00R37DksKwwqvDlMKEwpU0wrfCkcKtR80fYMOGw6pDw4bCtMKew43CnsK3w5XCsVLcuybDhcOfw79+BMKYe80kbcOSGckvZVV3w5cA"  
  Description: "TestDescription"  
  GroupId: "Require"  
  Id: "24fa7-78a2-413b-9a13-825b11ac7ddf"  
  Name: "TestName"  
  Password: ""  
  SfName: "TestSfName"  
  Token: ""  
  ▶ Type: {Domain: 'https://login.salesforce.com/', Id: 'Production', LP: 'HOME', landingPageOtherUrl: ''}  
  ▶ UpdateDate: {}  
  alias: "TestAlias"  
  color: ""  
  orgId: "TestOrgId"  
  ▶ [[Prototype]]: Object
```

Import group fields validation

Here will be present validation logic of every field of import group, validation logic of credential fields (import group can contain credentials, that would be imported to import group) are present at 'Import credential fields validation' section.

Custom group import field

If user entered custom fields, which extension doesn't support, they will be ignored.

Example:

```
{"groups":[{"CustomField":"CustomValue","Name":"New Group","isOpen":true,"credentials":[]]}
```

Custom field 'CustomField' field will be ignored and didn't add to final credential:

```
▼ 1:  
  Id: "529c2-cf2c-4ebf-9882-bc728e61dd24"  
  Index: 1  
  Name: "New Group"  
  isOpen: true  
  ▶ [[Prototype]]: Object
```

'Name' group import field

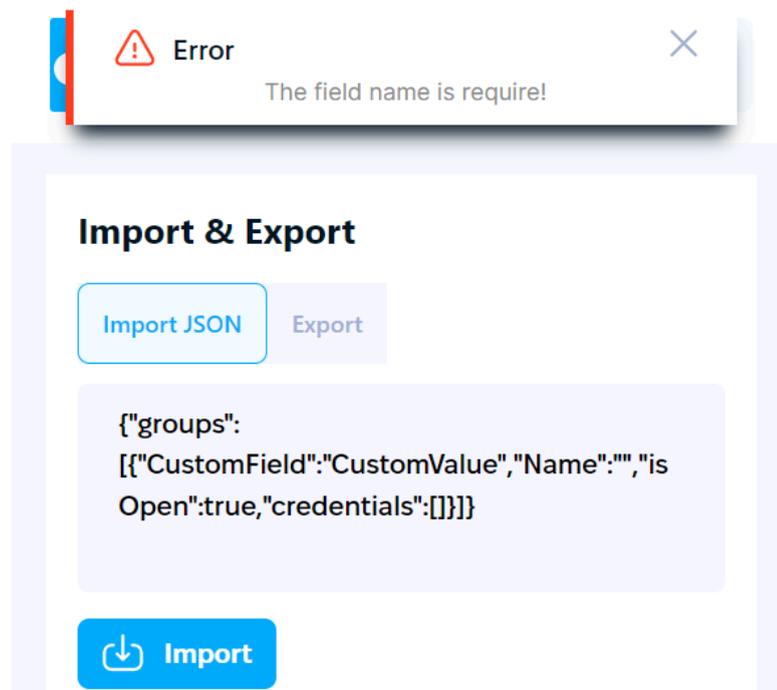
Name – important field, which means that if the user didn't mention this field or the value of this field will be empty, an error would be displayed.

If the user didn't mention 'Name' field, or value is empty, then error alert message 'The field name is required!' will be shown.

Example:

```
{"groups":[{"Name":"","isOpen":true,"credentials":[]}]}
```

Here user didnt fill the 'Name' field with value:



If value of 'Name' field is not empty, and length of this value is more than 254 symbols, then error alert message 'Name max length should be less than 255!' will be shown.

'Credentials' group import field

Credentials – non important value, that's mean that if user didn't mention this field or value of this field will be empty, no error will be displayed.

There is no validation on this field, it will not show to user any validation errors if entered value is not an array with values (if it will be an empty array no validation errors will be displayed).

So if 'credential' field value is an array and its not empty, then we will pass every array element through 'import credential fields validation' (for more detail look at the same section).

If group with same 'Name' field value already exist, then all credentials that 'credentials' field value contain, will be assign to already exist group (new group will not be created).

Handle new credential creating

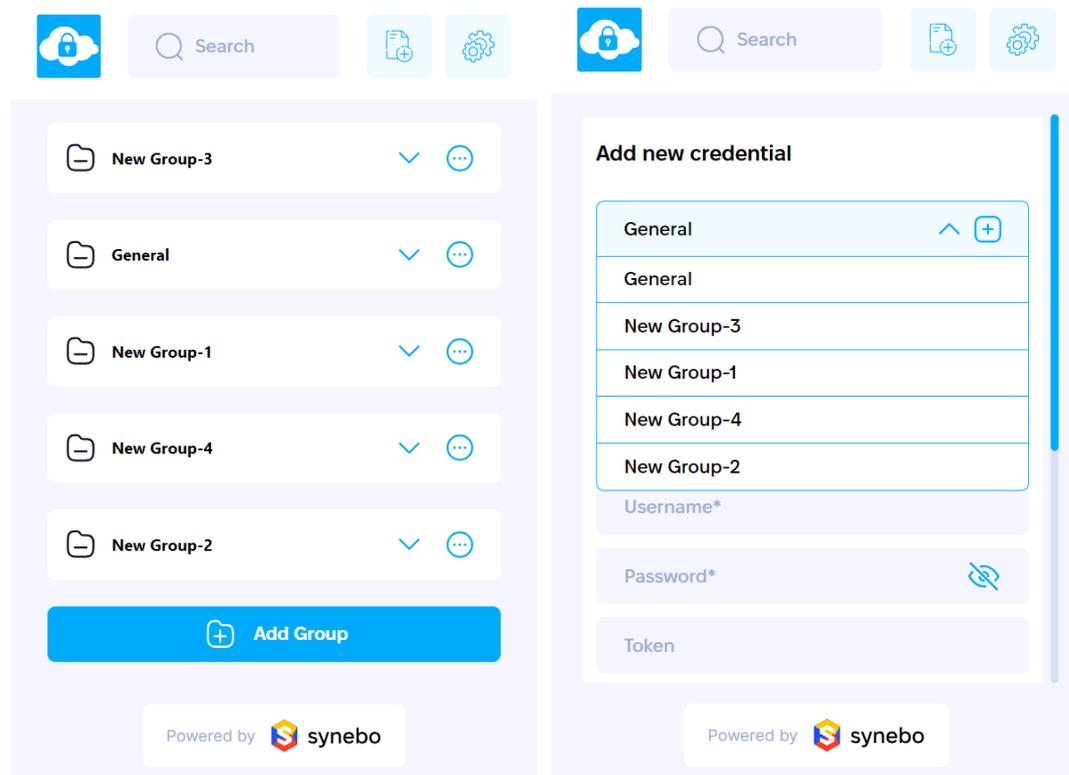
Here we will look at how new credential can be create by using user interface. Lets look at each of available fields.

'Group Name' create credential field

It's a selector field in which contains list of all exist groups.



'General' group always will be selected by default and in the opened list it will be on the first place, but order of other groups in the list will depend on which order they displaying at 'Groups' page.



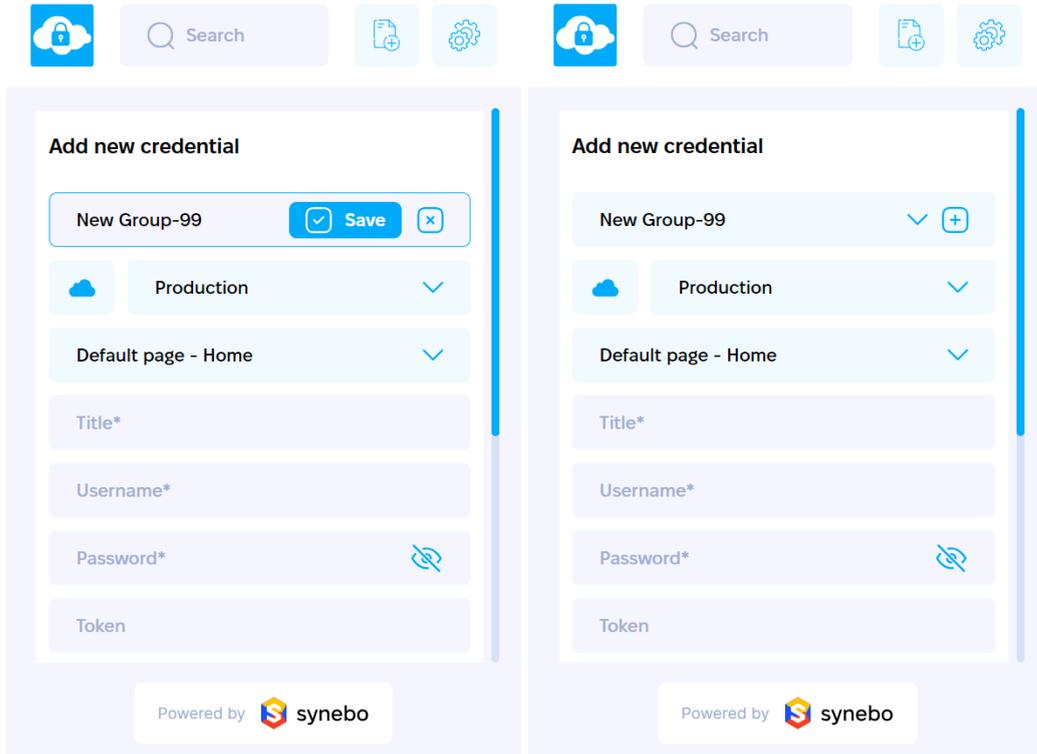
User can create new group using this field, user need to press plus icon and enter a new group name.

New group* Save X

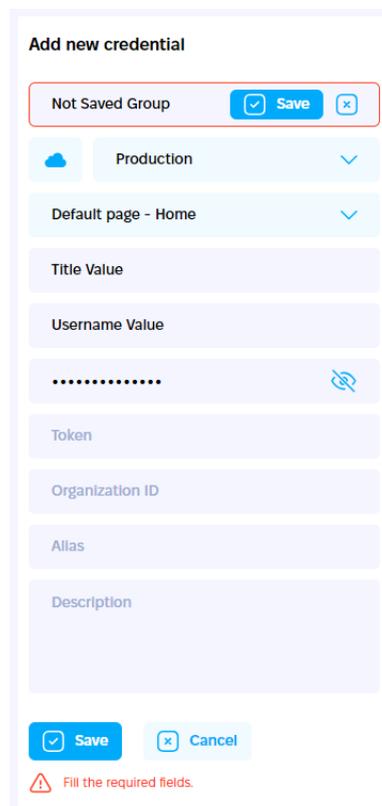
If the user nothing entered or entered only spaces and pressed 'Save' button, the 'Create new group' field will be closed and no group will be create. To create group need to enter any symbol (except spaces). But if user entered already exist group name and pressed 'Save' button, then the 'Create new group' field will be closed and the error alert message 'Group "Name of the group" already exist!' will be shown.

The image shows two side-by-side screenshots of the 'Add new credential' form. The top navigation bar includes a search bar, a document icon, and a settings icon. An error message is displayed at the top right: 'Error Group "New Group-1" already exist!'. The left screenshot shows the form with 'New Group-1' entered in the group name field, and the 'Save' button is highlighted. The right screenshot shows the form with 'New Group-3' entered, and the 'Save' button is no longer visible, indicating a successful save. Both forms have fields for 'Production', 'Default page - Home', 'Title*', 'Username*', 'Password*', and 'Token'. The footer of both forms says 'Powered by synebo'.

If user entered group name which not exist yet and pressed 'Save' button, then new group would be created and this group will be automutically selected (in group list it will be located on the last place).

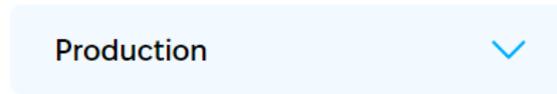


If user opened 'New Group' field and/or didn't save an entered new group value, even if he filled all require fields and pressed 'Save' button to create new credential it will not be created untill 'New Group' field opened, user need to save new group or just close this field (if he doesn't want to create new group). Also under the 'Save' button 'Fill the required field.' error message will appeared and color of the 'New Group' field border will be colored with red



'Organization Type' create credential field

It's a selector field in which contains list of all organization types.



Production – is default type.

Every organization type has his own different (domain and color), and this different can effect on the number of fields, default icon color, etc. Lets take a look more detailed:

Production:

Domain – <https://login.salesforce.com/>

Color – #00abf7



Sandbox:

Domain – <https://test.salesforce.com/>

Color – #c1c0c0



Developer:

Domain – <https://login.salesforce.com/>

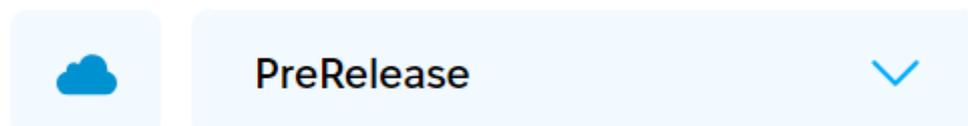
Color – #0b7adb



PreRelease:

Domain – <https://prerellogin.pre.salesforce.com/>

Color – #0092d0



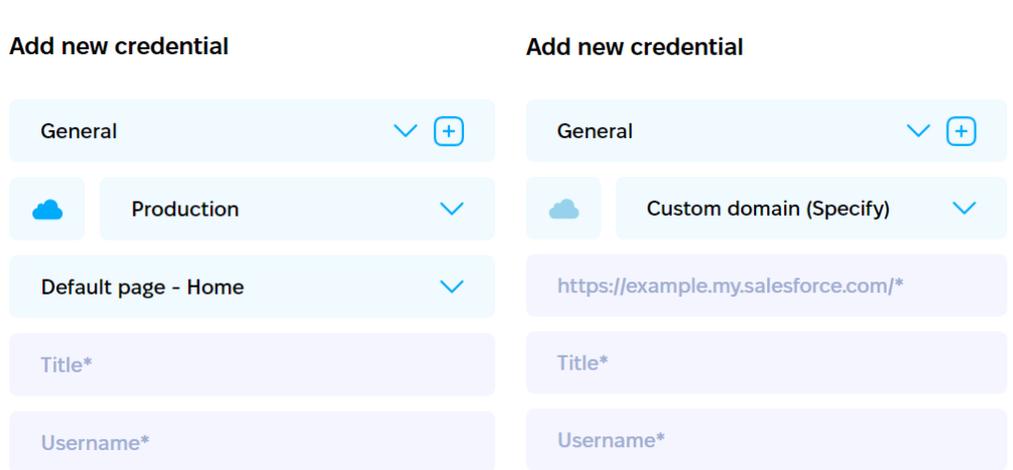
Custom domain (Specify):

Domain – here user need to enter domain by himself

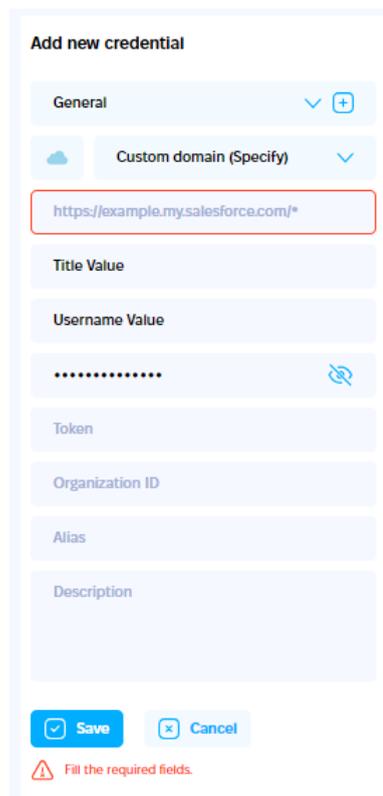
Color – #98d4ec



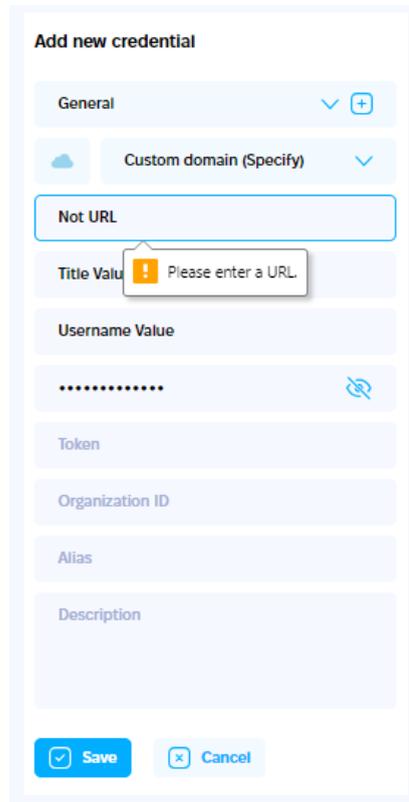
If user selected 'Custom domain (Specify)' organization type, then LP selector (under 'Organization type' selector) hidden and appearing new require URL input field for custom domain.



How we already mention this new field is require, that's mean that if user didn't fill this field and pressed 'Save' button to create new credential, under the 'Save' button 'Fill the required field.' error message will appearing and color of the 'New Group' field border colored with red



If the entered user value was not in URL format and the user pressed 'Save' button, then attention pop-up will be shown (it's a default input type='url' logic) and the credential will not be create until user doesn't entered a valid value.



The screenshot shows a form titled "Add new credential" with several input fields. The "Title Value" field contains the text "Not URL" and has a red warning icon next to it. A tooltip message above the field says "Please enter a URL". Other fields include "General", "Custom domain (Specify)", "Username Value", "Token", "Organization ID", "Alias", and "Description". At the bottom, there are "Save" and "Cancel" buttons.

If user entered value to 'Custom Domain' field and decide to change 'Domain' (even if user again selected the 'Custom Domain' domain), then 'Custom Domain' field will be cleared.

Community:

Domain – here user need to enter domain by himself

Color – #9dc630



If user selected 'Community' organization type, then LP selector (under 'Organization type' selector) hidden and appearing new require URL input field for custom domain.

Add new credential

General ▼ +

 Production ▼

Default page - Home ▼

Title*

Username*

Add new credential

General ▼ +

 Community ▼

https://community-domain/path-prefix*

Title*

Username*

How we already mention this new field is require, that's mean that if user didn't fill this field or entered value is not an URL and pressed 'Save' button to create new credential, under the 'Save' button 'Fill the required field.' error message will appearing and color of the 'New Group' field border colored with red

Add new credential

General ▼ +

 Community ▼

https://community-domain/path-prefix*

Title Value

Username Value

..... 

Token

Organization ID

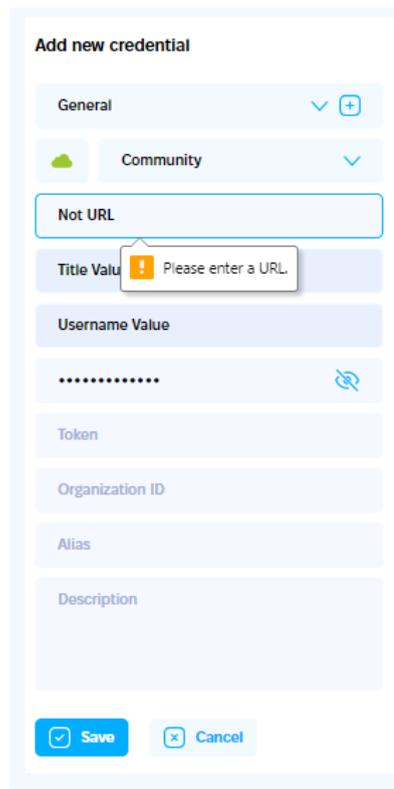
Alias

Description

Save Cancel

 Fill the required fields.

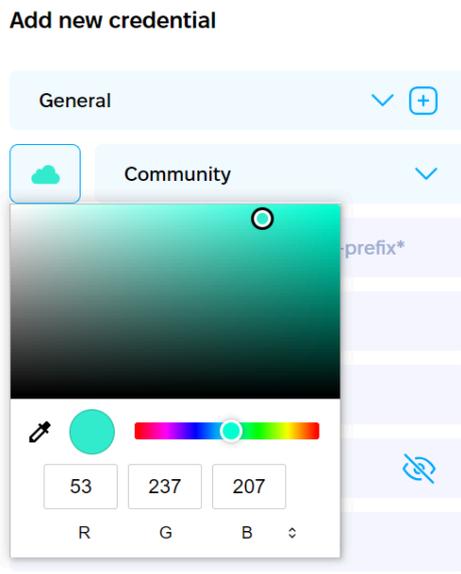
If the entered user value was not in URL format and the user pressed 'Save' button, then attention pop-up will be shown (it's a default input type='url' logic) and the credential will not be created until the user doesn't enter a valid value.



If user entered value to Community 'Custom Domain' field and decide to change 'Domain' (even if user again selected the 'Community' domain), then Community 'Custom Domain' field will be cleared.

'Color' create credential field

Instead of default 'Organization type' colors user can use custom color by pressing on pressing on colorpicker and selecting any color.



If the user chooses custom color and change 'Organization type' (even to same), then custom color will be removed and changed to default (depending on the chosen 'Domain').

'Landing Page path' create credential field

It's a selector field in which contains list of all.

Default page - Home



Home – is default landing page path.

Every LP has his own path and these differences can affect on the number of fields. Lets take a look more detailed:

Home:

URL – /home/home.jsp

Default page - Home



Report:

URL – /000/o

Report



If 'Report' path selected and 'Organization Type' equals to 'Production', 'Sandbox', 'Developer Edition' or 'PreRelease' and user made successful login, then he will be redirected to 'Reports' tab:



Chatter:

URL – /_ui/core/chatter/ui/ChatterPage

Chatter



If 'Chatter' path selected and 'Organization Type' equals to 'Production', 'Sandbox', 'Developer Edition' or 'PreRelease' and user made successful login, then he will be redirected to 'Chatter' tab:



Setup:

URL – /setup/forcecomHomepage.apexp

Setup



If 'Setup' path selected and 'Organization Type' equals to 'Production', 'Sandbox', 'Developer Edition' or 'PreRelease' and user made successful login, then he will be redirected to salesforce classic:



Other:

URL – custom page path

Other



If user selected 'Other' landing page path, then under LP selector appearing new require input field for custom landing page path (e.g. '/001/o' - accounts, '/006/o' - opportunities etc.).

Add new credential

General ∨ +

 Production ∨

Default page - Home ∨

Title*

Username*

Add new credential

General ∨ +

 Production ∨

Other ∨

/home/home.jsp*

Title*

Username*

How we already mention this new field is require, that's mean that if user didn't fill this field and pressed 'Save' button to create new credential, under the 'Save' button 'Fill the required field.' error message will appeared and color of the 'Custom landing page path' field border colored with red

If user entered value to 'Other' landing page path field and decide to change 'Landing Page path' (even if user again selected the 'Other' landing page) or he changed 'Domain' field to 'Custom Domain' or 'Community', then 'Other' landing page path field will be cleared.

'Title' create credential field

Title – is required text field. The max length of the value which user can enter is 255 symbols.

Title*

How we already mention it is a required field, that's mean that if user didn't fill this field and pressed 'Save' button to create new credential, under the 'Save' button 'Fill the required field.' error message will appearing and color of the 'Title' field border colored with red

'Username' create credential field

Username – is required text field. The max length of the value which user can enter is 255 symbols.

Username*

How we already mention it is a required field, that's mean that if user didn't fill this field and pressed 'Save' button to create new credential, under the 'Save' button 'Fill the required field.' error message will appearing and color of the 'Username' field border colored with red

Add new credential

General ▼ +

Production ▼

Default page - Home ▼

Title Value

Username*

..... 🔒

Token

Organization ID

Alias

Description

Save
 Cancel

⚠️ Fill the required fields.

But if user entered the value that existing credential already have and 'Org Type' and 'Landing Page URL' of exist credential match with that which want to create, then then error alert message 'Similar *Org Type* credential already exists: *Title of existing credential that has the same Username value*' will be shown.

⚠️ Error ✕
Similar production credential already exists: Title Value

Add new credential

General ▼ +

Production ▼

Default page - Home ▼

Title Value

Username Value

..... 🔒

Token

Powered by synebo

'Password' create credential field

Password – is required text field. The max length of the value which user can enter is 512 symbols.



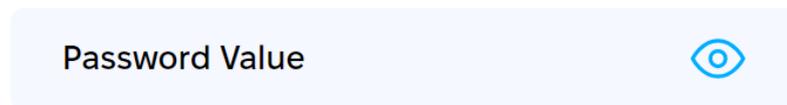
A light blue rounded rectangular input field containing the text "Password*" in blue. On the right side of the field is a blue icon of an eye with a diagonal slash through it, indicating that the password is hidden.

By default every entered value will be hidden from user.



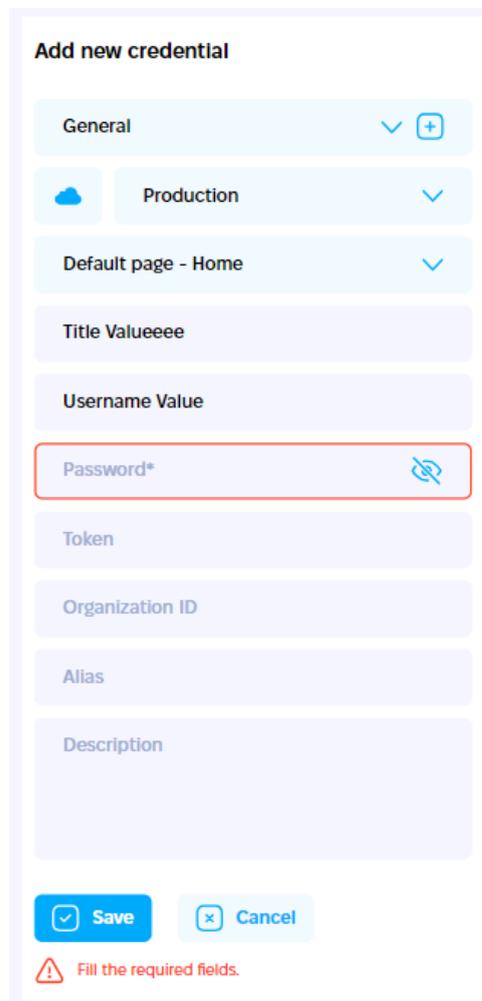
A light blue rounded rectangular input field containing ten black dots, representing a hidden password. On the right side of the field is a blue icon of an eye with a diagonal slash through it.

If user want check what symbols does he entered, he should click on eye icon.



A light blue rounded rectangular input field containing the text "Password Value" in black. On the right side of the field is a blue icon of an open eye, indicating that the password is visible.

How we already mention it is a required field, that's mean that if user didn't fill this field and pressed 'Save' button to create new credential, under the 'Save' button 'Fill the required field.' error message will appearing and color of the 'Password' field border colored with red



A screenshot of a mobile application form titled "Add new credential". The form has several sections: "General" with a dropdown arrow and a plus icon; "Production" with a cloud icon and a dropdown arrow; "Default page - Home" with a dropdown arrow; "Title Valueeeee"; "Username Value"; "Password*" with a blue eye icon and a red border; "Token"; "Organization ID"; "Alias"; and "Description". At the bottom, there are "Save" and "Cancel" buttons. Below the buttons is a red warning icon and the text "Fill the required fields.".

'Token' create credential field

Password – is non-required text field. The max length of the value which user can enter is 512 symbols.

Token

'Organization ID' create credential field

Organization ID – is non-required text field. The max length of the value which user can enter is 255 symbols.

Organization ID

'Alias' create credential field

Alias – is non-required text field. The max length of the value which user can enter is 255 symbols.

Alias

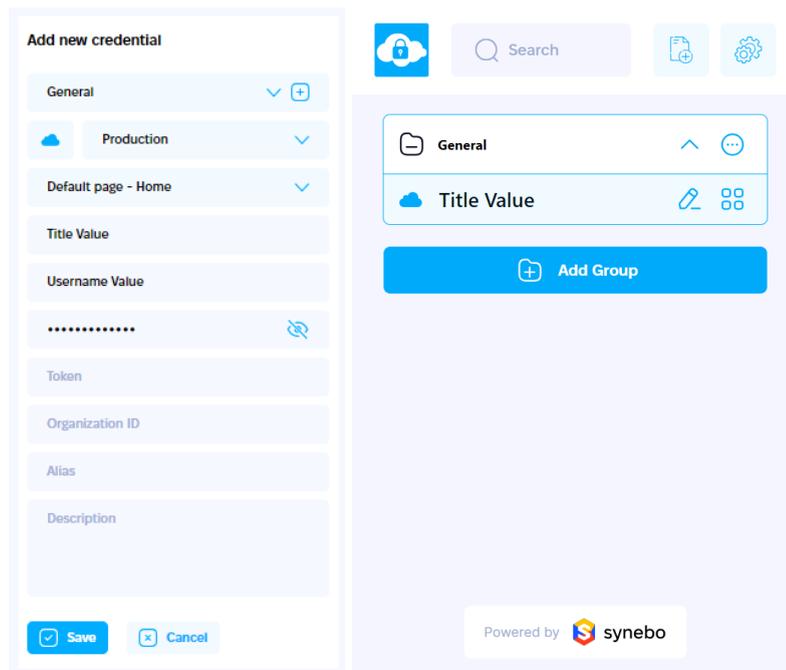
'Description' create credential field

Description – is non-required textarea field. The max length of the value which user can enter is 512 symbols.

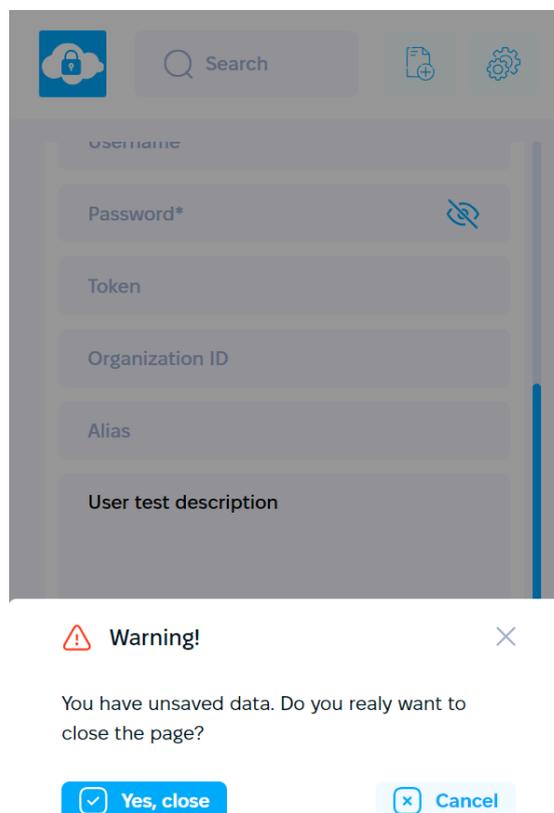
Description

Actions

If all required filed was filled and user pressed on 'Save' button, then user will be redirected to 'Group list' page (by default 'General' group is open, that mean that user will see credential list)



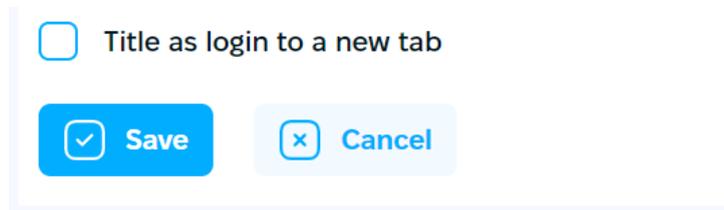
If user did not make any changes and then pressed 'Cancel' button, then user will be redirected to 'Group list' page if almost 1 new group or credential already exist or to 'Home' page if not. But if user make any changes, even if this changes was moved to default values (for example user choose 'Sandbox' organization type, and then switch it to default 'Production' organization type), then will confirmation modal window will be shown:



If user pressed on 'Cancel' button, then modal window will be closed and user can continue credential creation, if user press on 'Yes, close', then user will be redirected to 'Group list' page if almost 1 new group or credential already exist or to 'Home' page if not.

Title as login

This checkbox depend on what will happened if user press on credential title. If this checkbox is unchecked then after pressing on the credential title he will be redirect to the 'Credential Edit' page, if this checkbox is checked, then after pressing on credential title it will be login by 'Open in new tab' variant.



A modal form with a light blue border. At the top, there is a checkbox that is currently unchecked, followed by the text "Title as login to a new tab". Below this, there are two buttons: a blue "Save" button with a white checkmark icon, and a light blue "Cancel" button with a white 'x' icon.

By default this checkbox is unchecked. If user want to change logic, he should check/uncheck checkbox and then press 'Save' button, after that he will be redirect to 'Group list' page. If user want to cancel his changes and return to value that was before he open this page, he should press 'Cancel' button, after that he will be redirect to 'Group list' page.

Group default actions

Every group has his own list of default actions that user can use. To see list of available actions user should press on 3 dots icon and after that modal with default actions will appear.

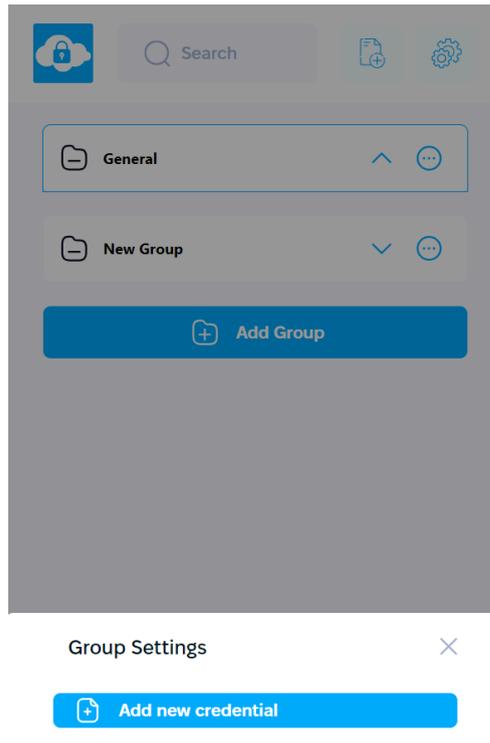


A horizontal header for a group. On the left, there is a folder icon followed by the text "General". On the right side, there is a blue downward-pointing chevron icon and a blue circle containing three white dots (a menu icon).

But list of available default actions can be different. Lets check all existing variants.

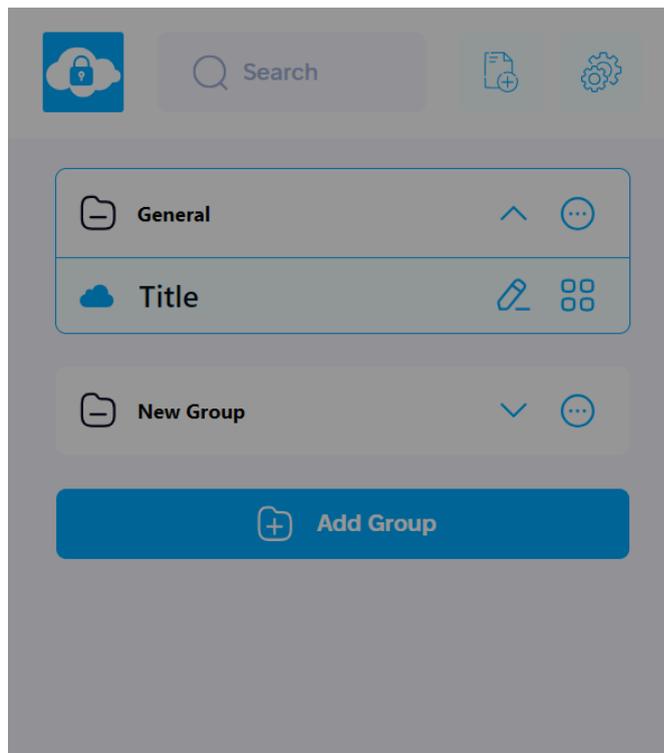
Required (General) Group with no credentials

If it's a required group and it contain no credentials, then for user will be available only this actions: 'Add new credential'.



Required (General) Group with credentials

If it's a required group and it contain no credentials, then for user will be available only this actions: 'Add new credential', 'Delete all group entries'.



Group Settings

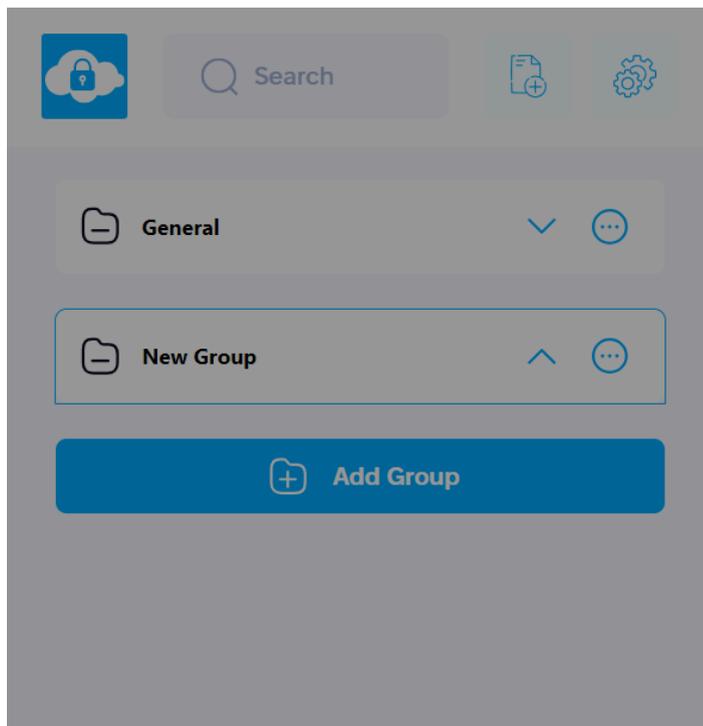


 Add new credential

 Delete all group entries

Non-required Group with no credentials

If it's a required group and it contain no credentials, then for user will be available only this actions: 'Rename', 'Add new credential', 'Delete group only'.



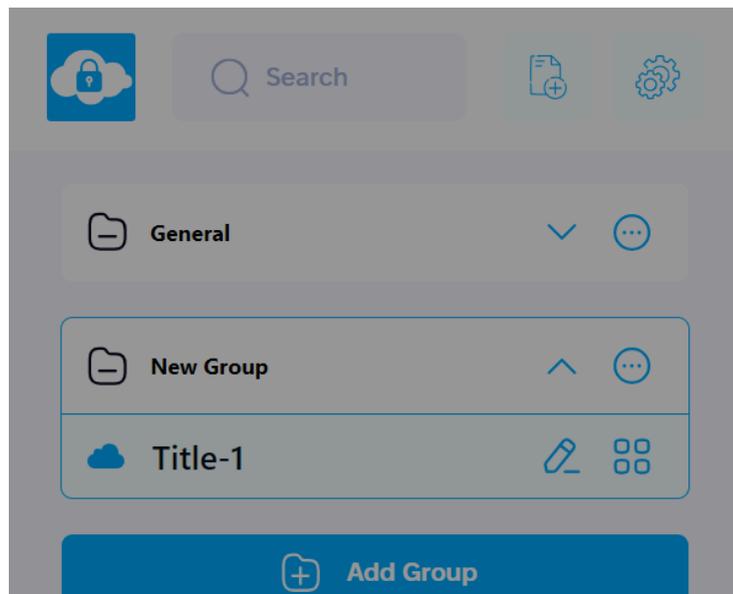
Group Settings



-  Rename
-  Add new credential
-  Delete group only

Non-required Group with credentials

If it's a required group and it contain no credentials, then for user will be available only this actions: 'Rename', 'Add new credential', 'Delete all group entries', 'Delete group and credentials', 'Delete group only'.



Group Settings



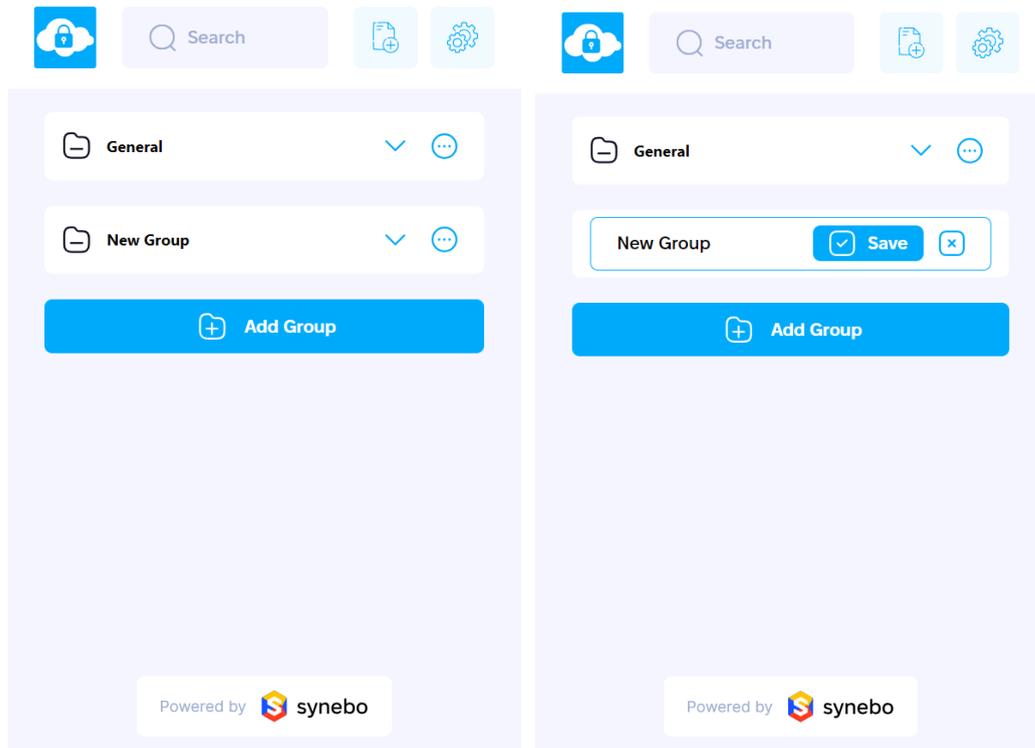
-  Rename
-  Add new credential
-  Delete all group entries
-  Delete group and credentials
-  Delete group only

Rename

This action exist only at custom groups action list, 'General' group cant be manually renamed.



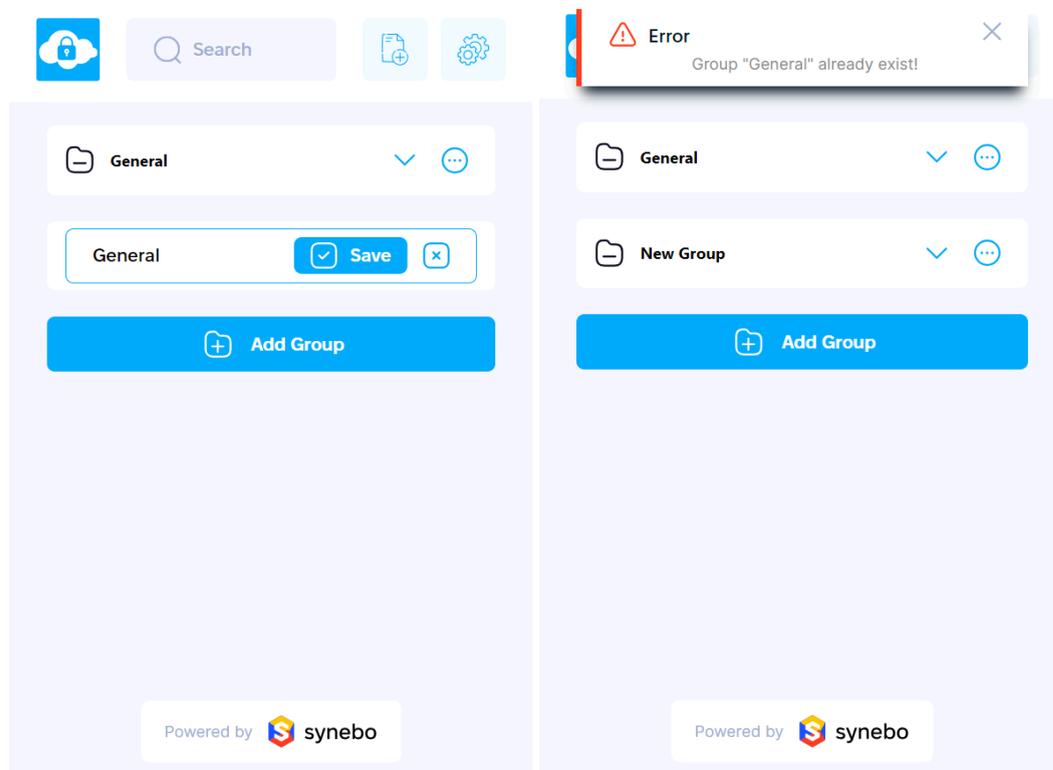
If user has opened list of group actions and pressed on 'Rename' button, then modal window with group actions will be closed, and focused input with 'Cancel' and 'Save' buttons, which will contain the group title value will appear instead of group title.



The max length of the value which user can enter is 255 symbols.

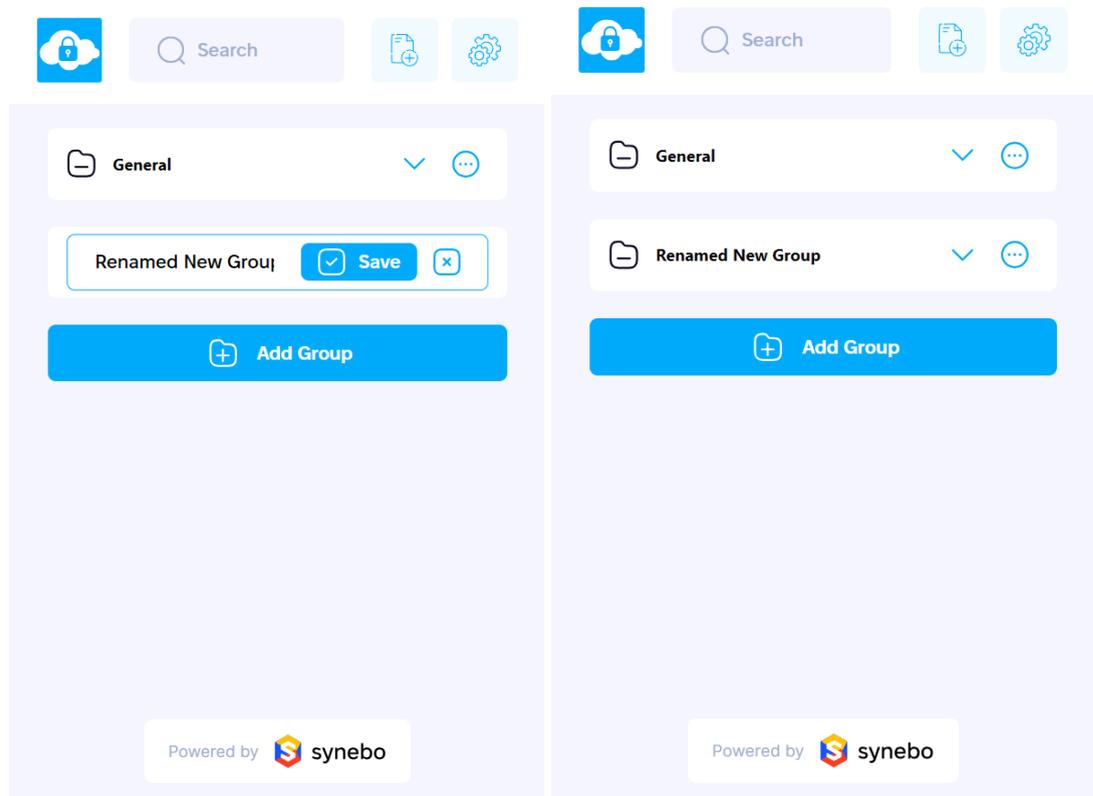
If user pressed 'Cancel' button, his changes will be not saved.

If user entered already exist group title and pressed 'Save' button, then rename input will be closed and error alert message 'Group *name of the group* already exist!' will be shown.



If input is empty and user pressed on 'Save' button. Then rename input will closed, it will not rename group.

If user entered unique, non-empty value and pressed 'Save' button, then renaming input will be closed and group title will be displayed with renamed value.



Add new credential

Exist in every group action list.



If user has opened list of group actions and pressed on 'Add new credential' button, then modal window with group actions will be closed, and user will be redirect to 'Create new credential' page.

'Group Name' field will contain value of group for which credential is creating.

The screenshot shows a web interface for adding a new credential. At the top, there is a navigation bar with a cloud icon, a search bar, and two utility icons. Below this is a modal window titled "Add new credential". The form contains the following elements:

- New Group:** A dropdown menu with a plus icon to add a new group.
- Production:** A dropdown menu with a cloud icon on the left and a dropdown arrow on the right.
- Default page - Home:** A dropdown menu with a dropdown arrow on the right.
- Title*:** A text input field with an asterisk indicating it is required.
- Username*:** A text input field with an asterisk indicating it is required.
- Password*:** A text input field with an asterisk indicating it is required and a toggle icon for visibility.
- Token:** A text input field.

At the bottom of the form, it says "Powered by synebo".

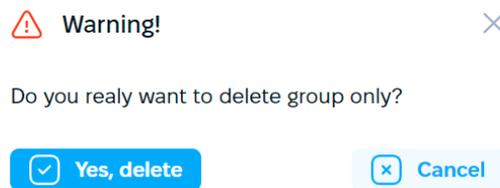
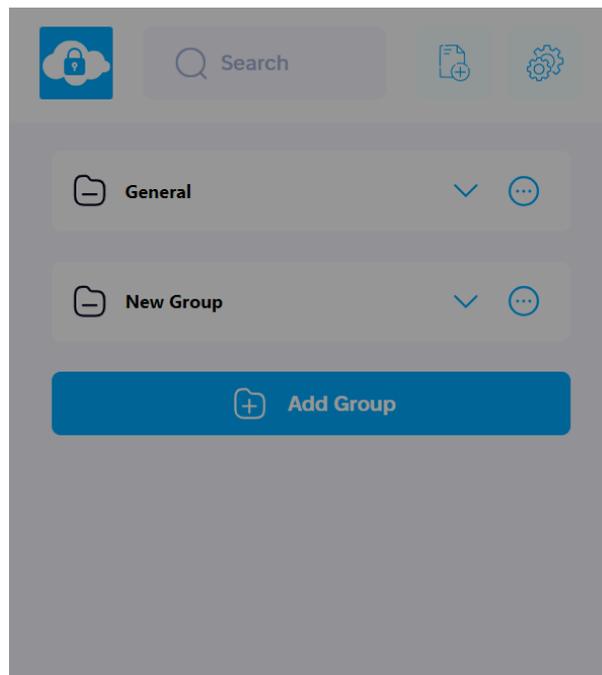
If before choosing 'Create new credential' action user had some unsaved data at 'Create new credential' page (he had edit credential or creating a new one), after selecting this action all this unsaved data will be removed.

Delete group only

This action exist only at custom groups action list, 'General' group cant be manually deleted.

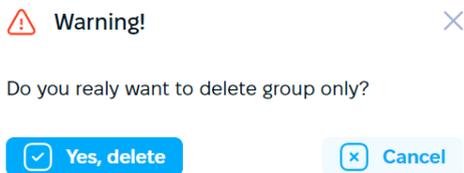
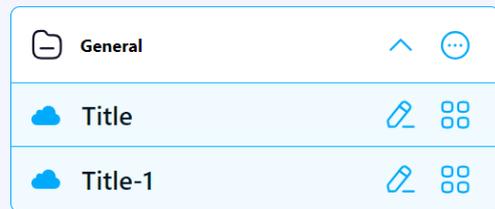
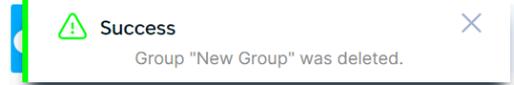
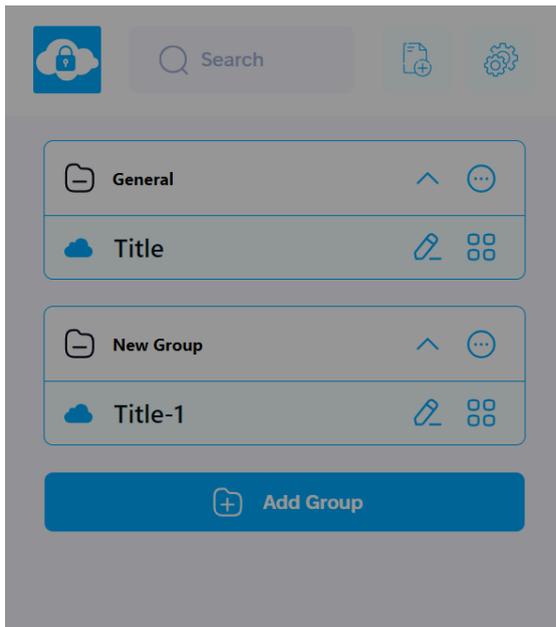


If user has opened list of group actions and pressed on 'Delete group only' button, then modal window with group actions will be closed, and approval modal window will be shown with 'Yes, delete' and 'Cancel'.

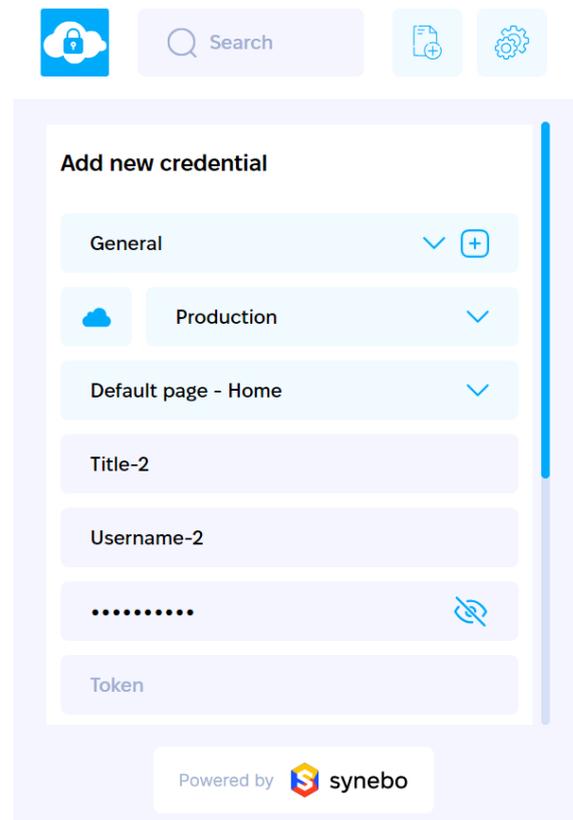
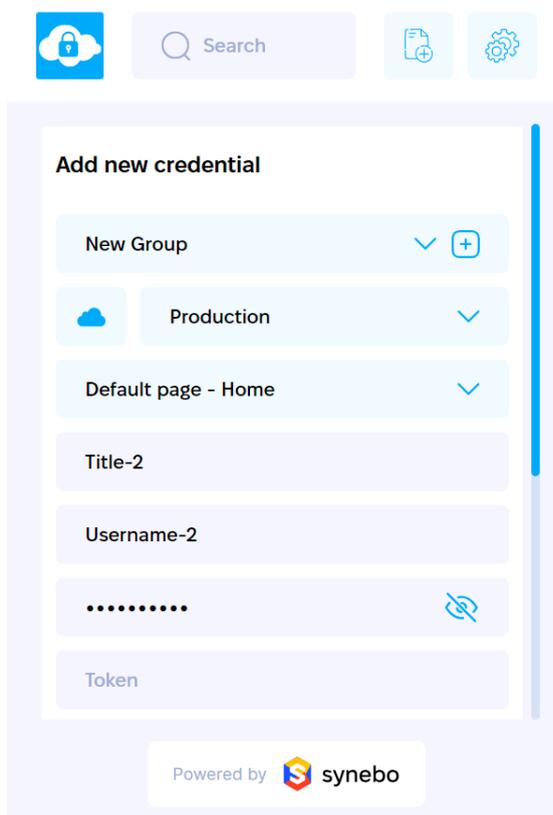


If user press on 'Cancel', then approval modal window will be closed and nothing will happen.

If user press on 'Yes, delete', then only group will be deleted, credentials, which was containing in this group, will be moved to Required (General) group and success alert message 'Group *name of the group* was deleted.' will be shown.



If user was creating a new credential or edit credential and in 'Group Name' was containing a value of deleted group it will be switched with 'General' group.



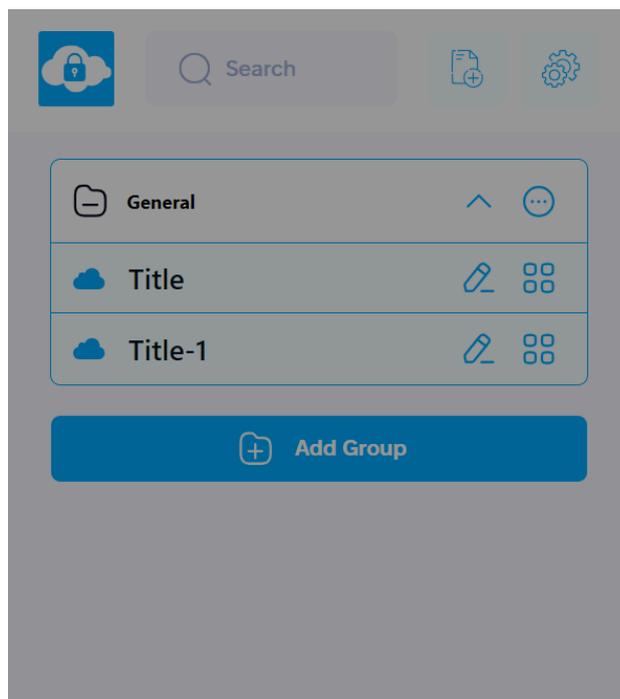
If after group deleting, no more credentials and groups (except 'General' group) exist anymore, then user immediately will be redirected to 'Home' page.

Delete all group entries

This action exist in every group, if this group contain at least 1 credential.



If user has opened list of group actions and pressed on 'Delete all group entries' button, then modal window with group actions will be closed, and approval modal window will be shown with 'Yes, delete' and 'Cancel'.



 **Warning!** ✕

Do you really want to delete all group entries?

Yes, delete

Cancel

If user press on 'Cancel', then approval modal window will be closed and nothing will happen.

If user press on 'Yes, delete', all group credentials will be deleted.

If after group credentials deleting, no more credentials and groups (except 'General' group) exist anymore, then user immediately will be redirected to 'Home' page.

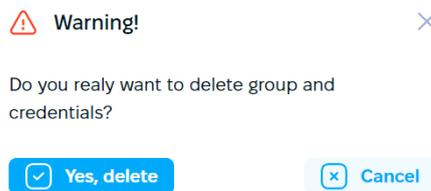
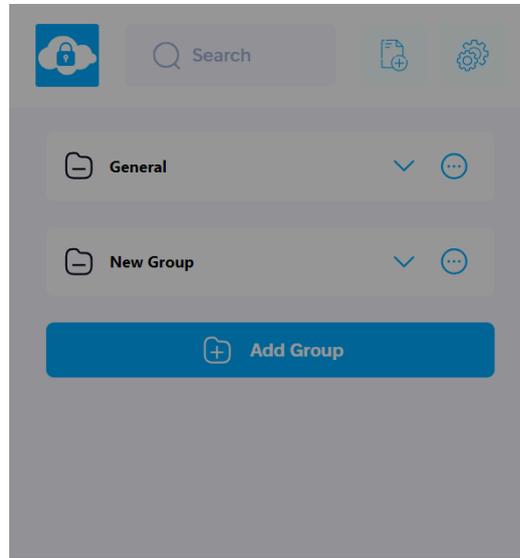
Delete group and credentials

This action exist only at custom groups action list, 'General' group cant be manually deleted.



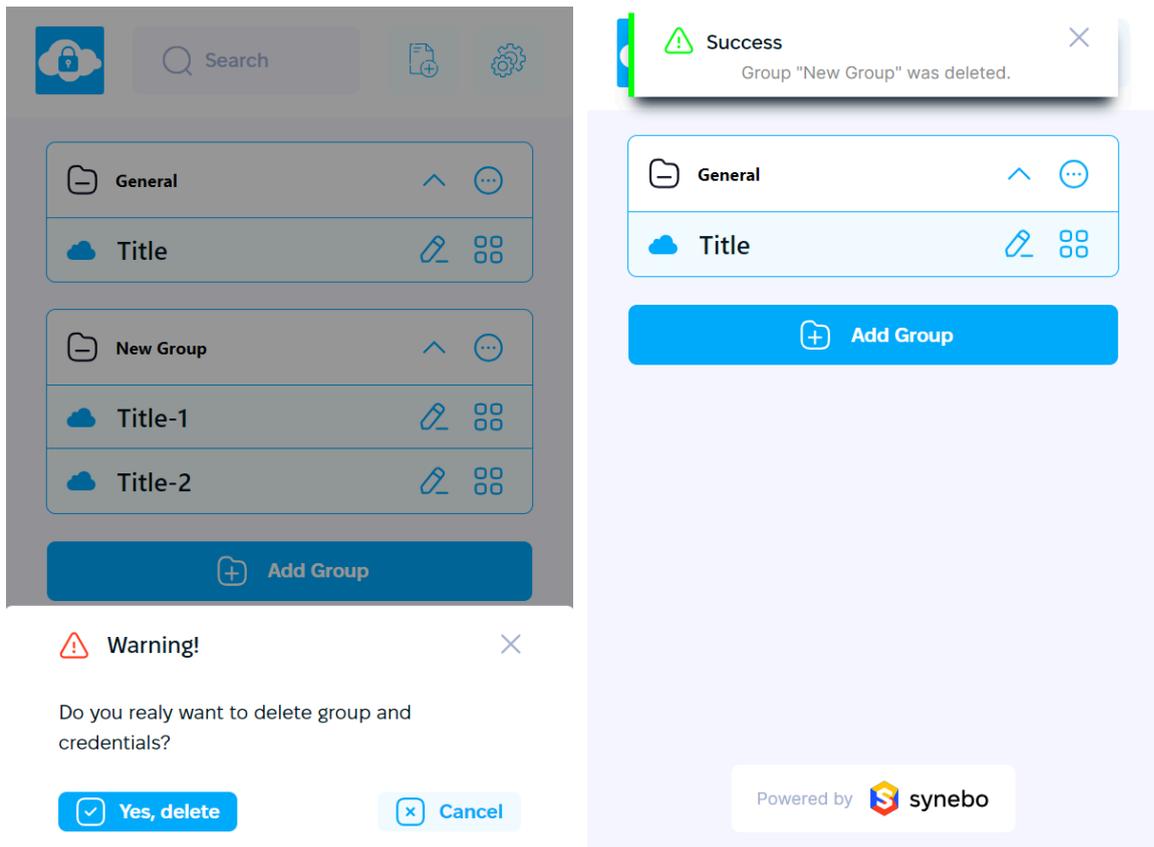
Delete group and credentials

If user has opened list of group actions and pressed on 'Delete group and credentials' button, then modal window with group actions will be closed, and approval modal window will be shown with 'Yes, delete' and 'Cancel'.



If user press on 'Cancel', then approval modal window will be closed and nothing will happen.

If user press on 'Yes, delete', group and all group credentials will be deleted and success alert message 'Group *name of the group* was deleted.' will be shown.



If after group and group credentials deleting, no more credentials and groups (except 'General' group) exist anymore, then user immediately will be redirected to 'Home' page.

Credential default actions

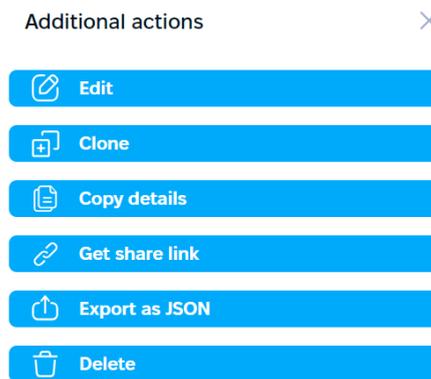
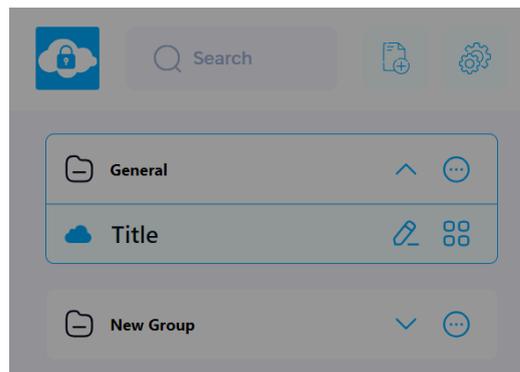
Every credential has his own list of default actions that user can use. To see list of available action user should press on pencil icon and after that modal with default actions will appear.



But list of available default actions can be different. Let's check all existing variants.

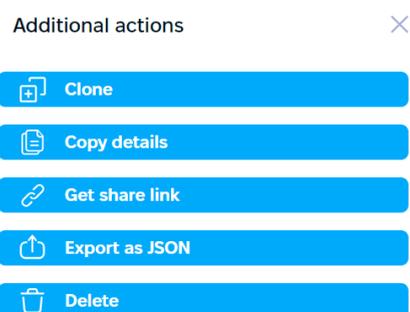
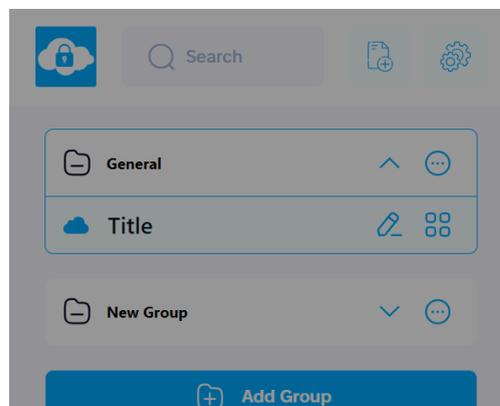
'Title as login to a new tab' is checked

If user has checked 'Title as login to a new tab' checkbox, that means user can't edit credential by clicking on credential title, so to edit credential will be added 'Edit' action.

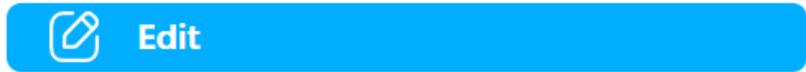


'Title as login to a new tab' is unchecked

If user has unchecked 'Title as login to a new tab' checkbox, that mean user can edit credential by clicking on credential title, so there is no reasons to display 'Edit' action.



Edit



After pressing on 'Edit' button user will be redirect to 'Edit credential' page.

Clone

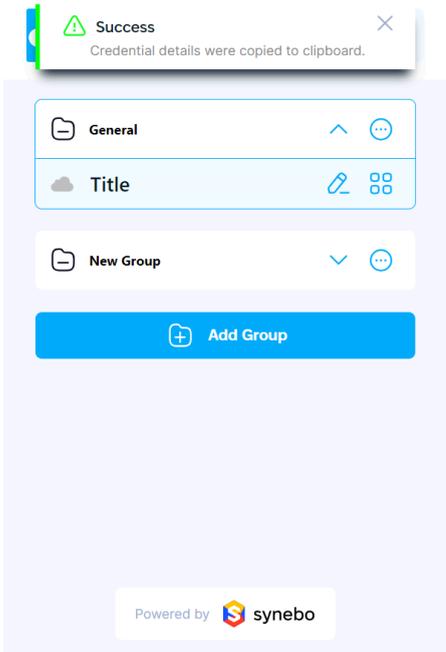


After pressing on 'Clone' button user will be redirected to 'Create new credential' page, but all fields will be filled with selected credential data.

Copy details



After pressing on 'Copy details' button user will copy to clipboard credential data and success alert message 'Credential details were copied clipboard.' will be shown.



With this action to user clipboard will be copied: username, password, token and login URL.

```
> Username: Username
  Password: Password
  Token: Token
  Login URL: https://test.salesforce.com/
```

Get share link

'Get share link' button is active if user filled 'Token' field.



'Get share link' button is disabled if user didn't fill 'Token' field, so user cant activate this action.

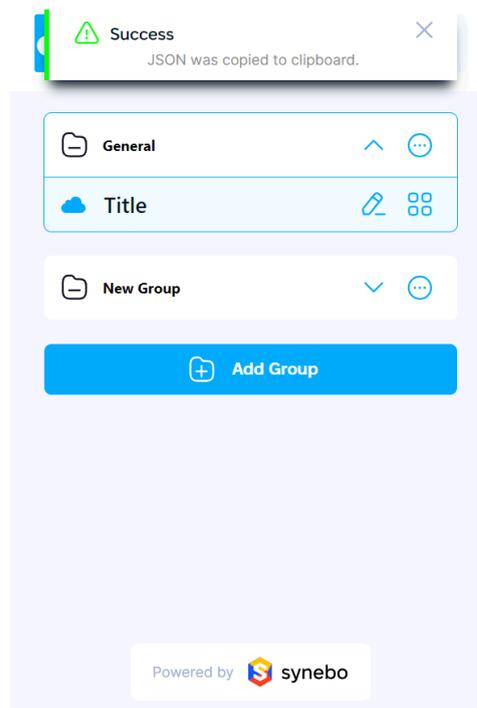


After pressing on 'Clone' button user will be redirected to 'Create new credential' page, but all fields will be filled with selected credential data.

Export as JSON



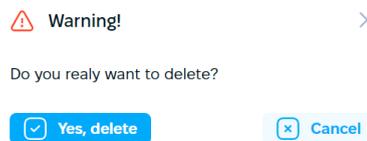
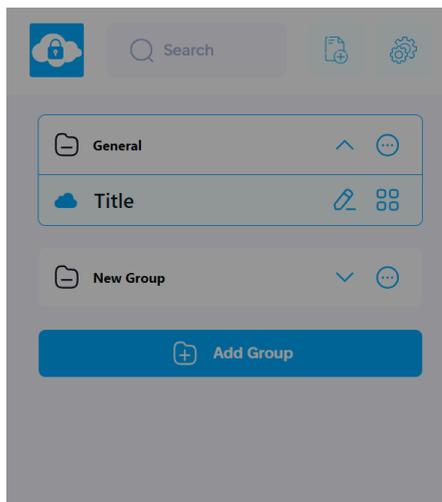
After pressing on 'Export as JSON' button all selected credential data will be copied to clipboard in JSON format and success alert message 'JSON was copied to clipboard.' will be shown.



Delete



After pressing on 'Delete button, then modal window with credential default actions will be closed, and approval modal window will be shown with 'Yes, delete' and 'Cancel'.



If user press on 'Cancel', then approval modal window will be closed and nothing will happen.

If user press on 'Yes, delete', credential will be deleted.

If after credential deleting, no more credentials and groups (except 'General' group) exist anymore, then user immediately will be redirected to 'Home' page.

Omnibox

Omnibox – is the address bar at the top of the Google Chrome web browser. It serves as a multi-functional input field that allows users to perform various tasks.



To use extension omnibox task, user should enter 'sf' command and press 'spacebar'.



After user press on 'spacebar' address bar will be cleared and user will be available to make credential search.



After every entered symbol omnibox will be displayed all searched credentials by matches by 'Title' field and/or 'Username' (in square brackets) field.

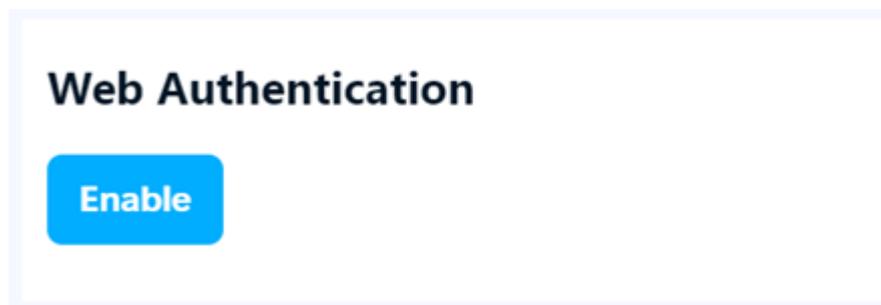


After pressing on one of the find credential (from omnibox dropdown list) user will be logged in at the same tab.

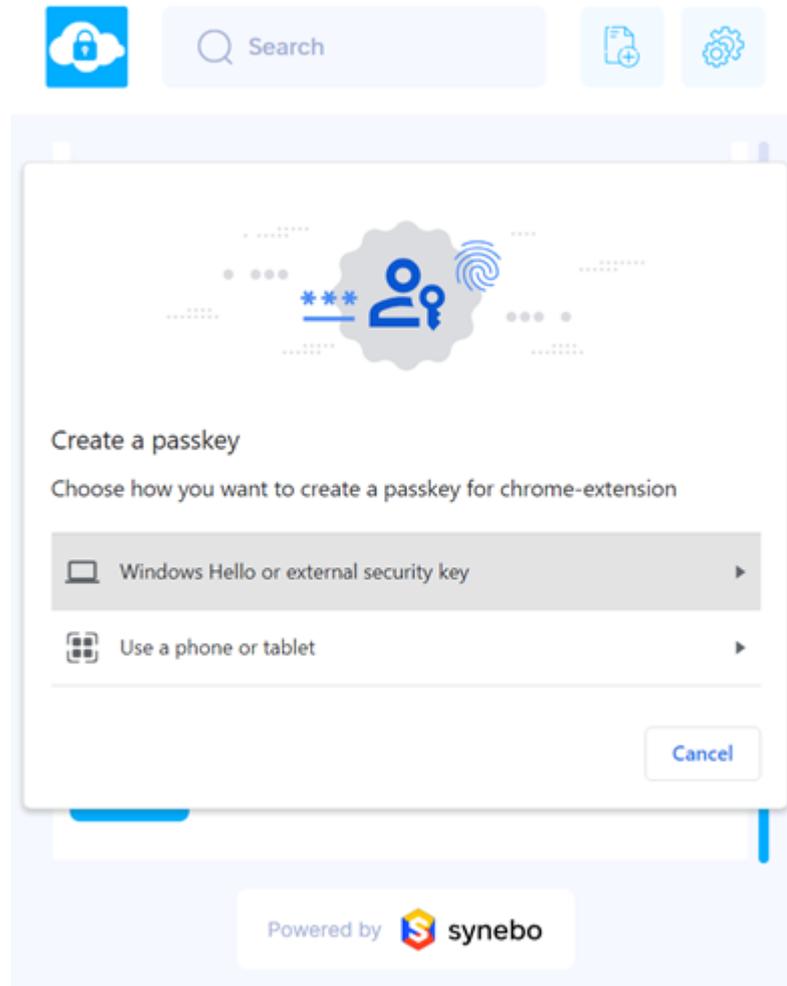
Web Authentication

Web Authentication – is additional security feature, which provide UI security and prevent viewing extension content if user not authorized.

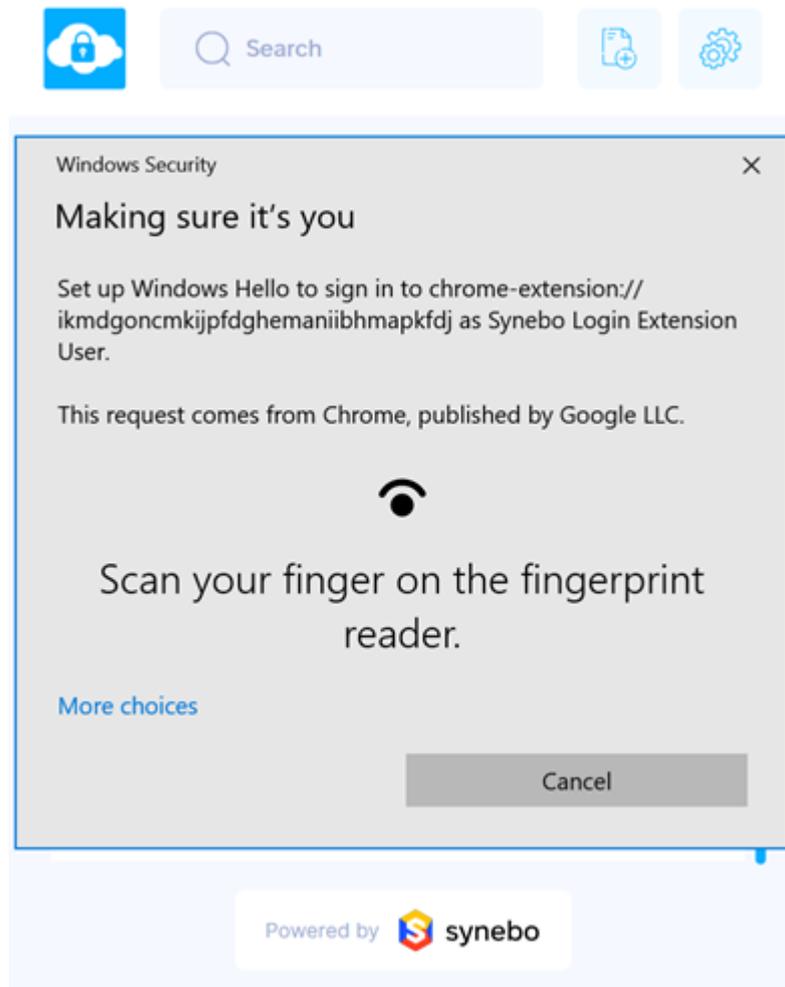
By default user doesn't have active web authentication, to activate it user should press on 'Enable' button.



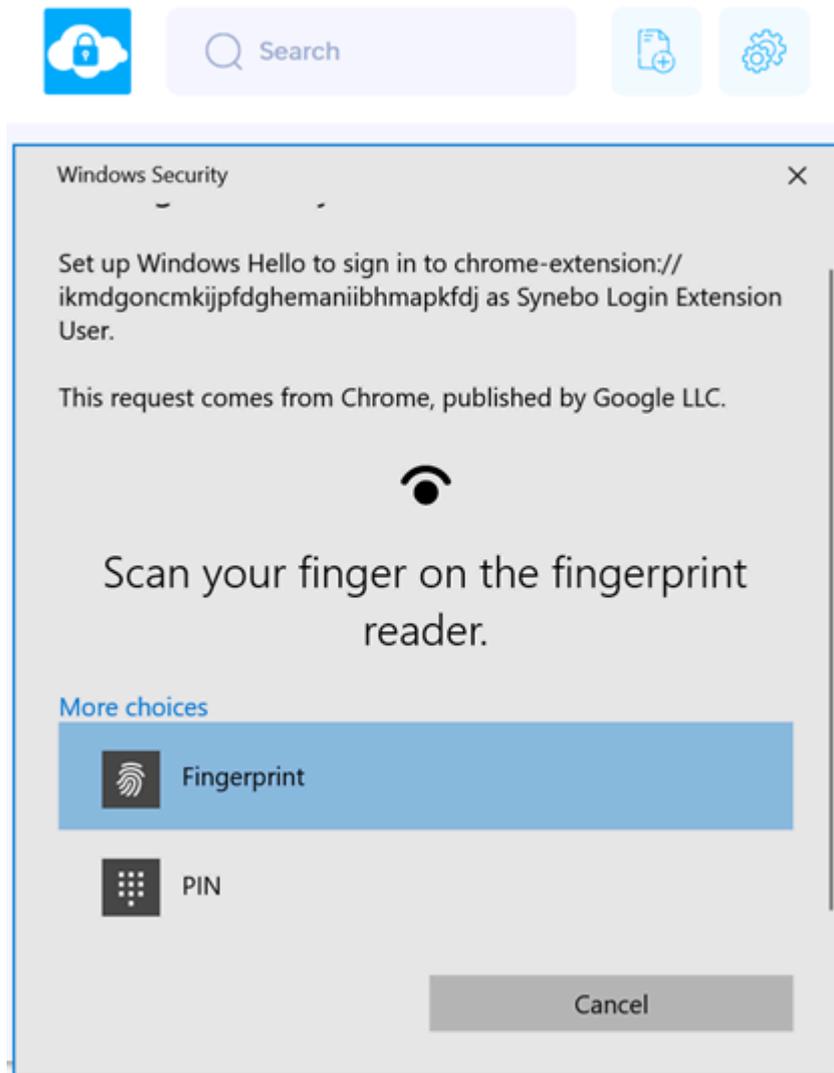
After pressing on it Web Authentication modal window will appear where user can choose variant of Web Authentication login: fingerprint or QR-code scanning (login by key).



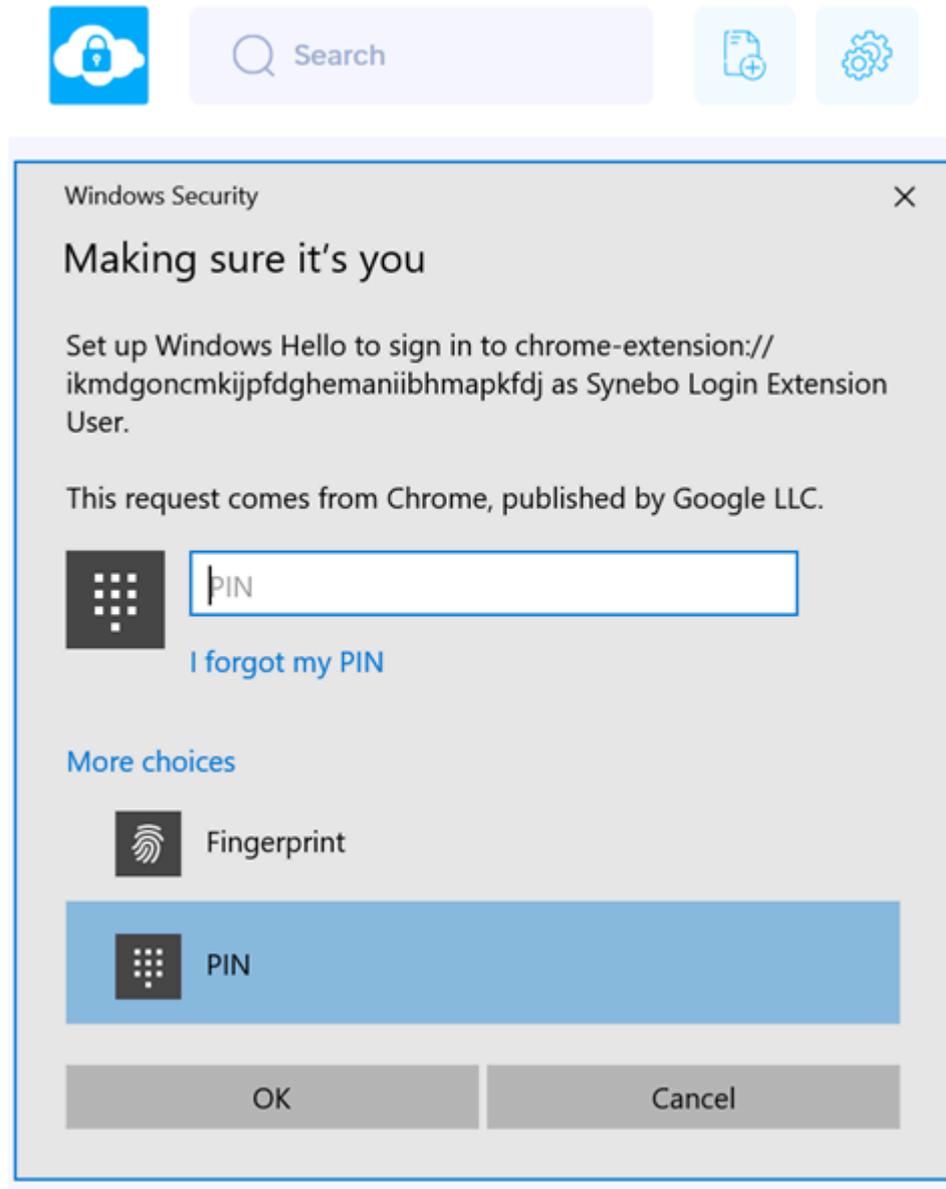
If user select 'Window Hello or external security key' then user be able to scan his finger (that already exist in the system).



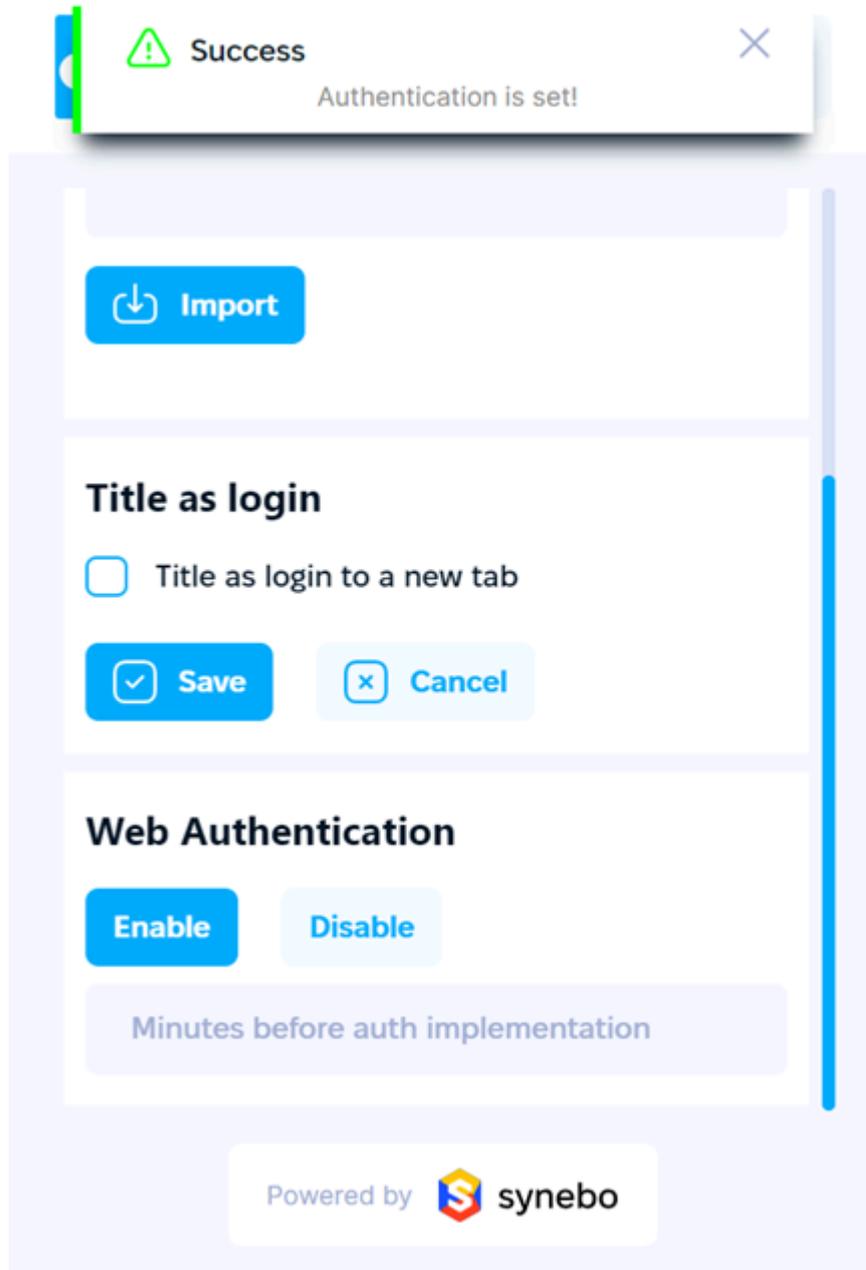
If user doesn't want to scan his finger he can enter his PIN-code (that already exist in the system) by pressing on 'More choices' button and selecting 'PIN'



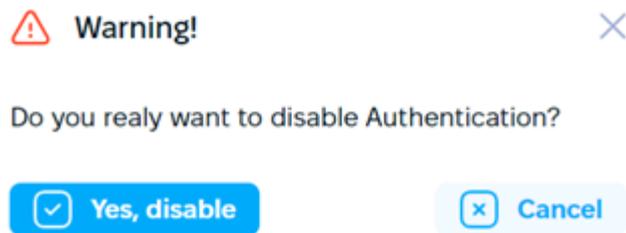
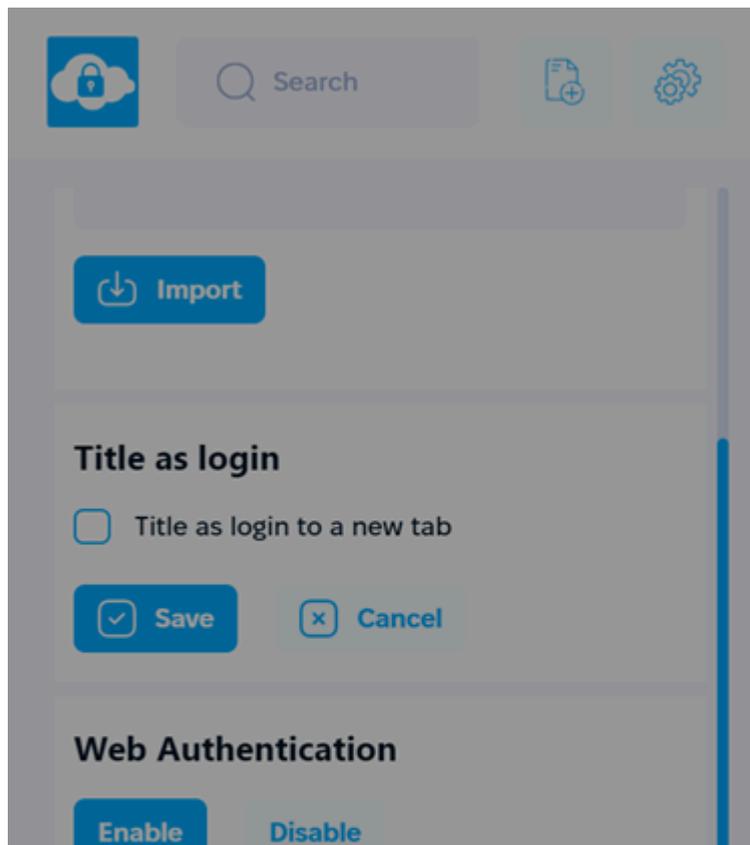
After selecting 'PIN' user should enter his PIN-code



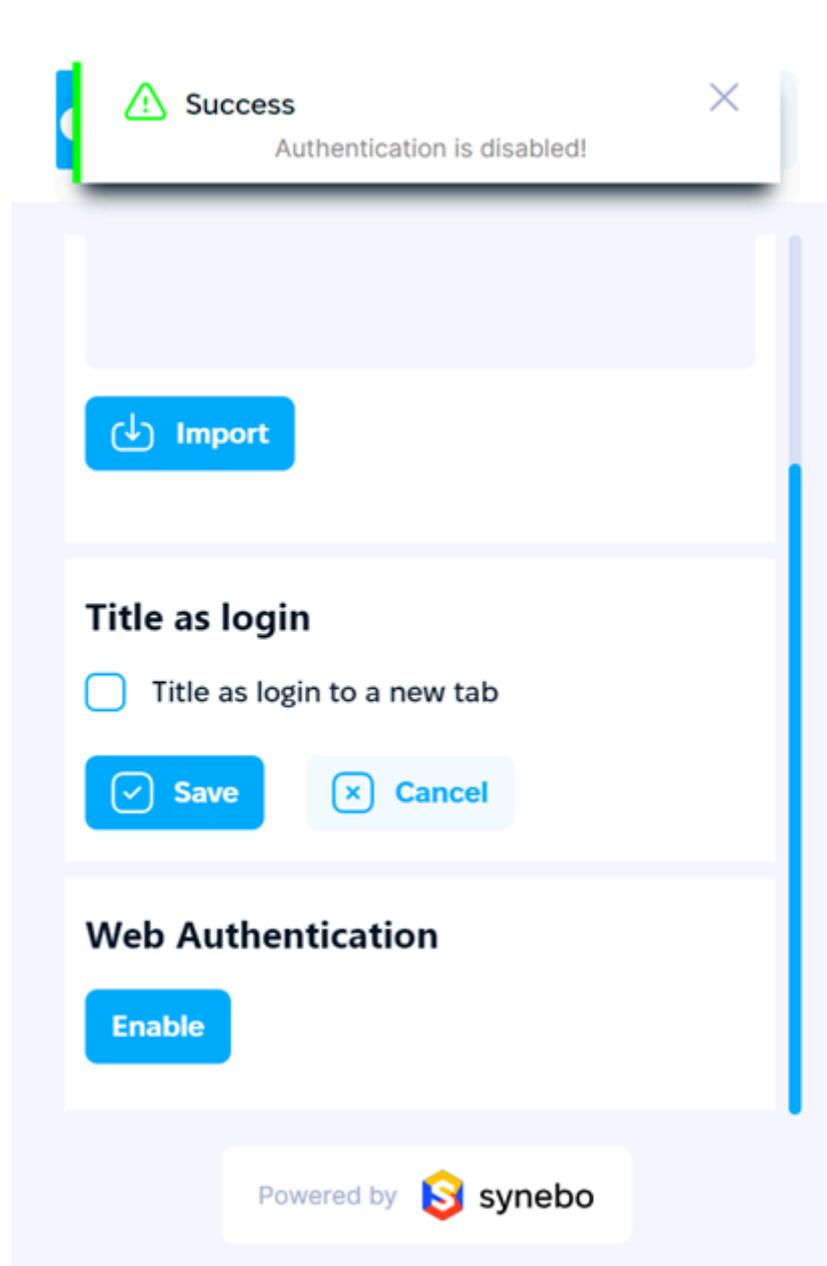
If user fingerprint or PIN code was valid, then 'Window Security' window will be closed and success alert message 'Authentication is set!' will be shown and 'Disable' button and number field will be displayed:



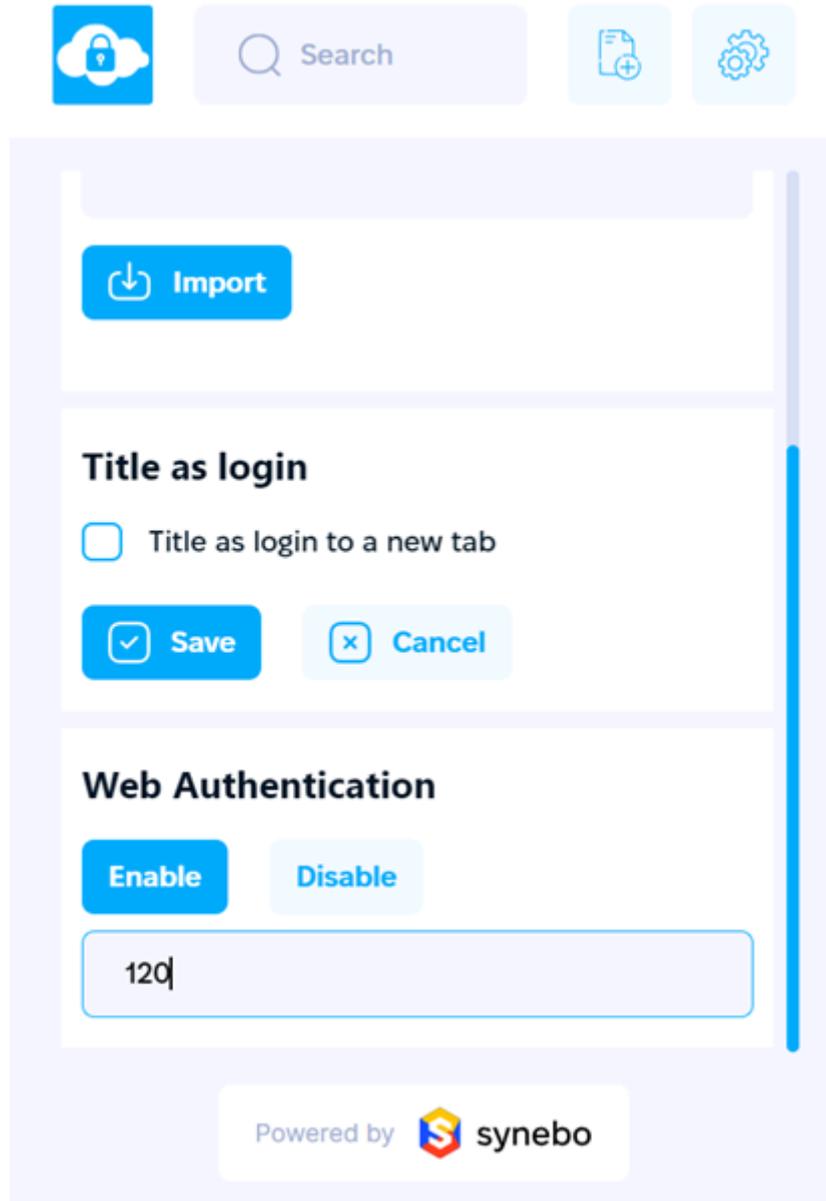
'Disable' button is exist to removing user auth. After clicking on 'Disable' button approval modal window will be shown with 'Yes, disable' and 'Cancel':



After click on 'Cancel' approval modal window will closed. After click on 'Yes, disable' user auth will be removed from extension and success alert message 'Authentication is disabled!' will be shown and 'Disable' button and minutes field will be removed:



Minutes field can take only number characters, every entered number will be convert to minutes, e.g: user enter '120' it will convert to 120 minutes/2 hours. This is will work like a timer and will prevent make authentification after every extension closing and add gap between extension closing and auth implementation (user login). After every extension opening this timer will be updated. By default this gap is 30 second, user cant remove it, he only can increase it by entering value to minutes field. User no need to save entered value it will be saved automatically after every user value entering.



If user enable web authentication, close extension the minutes timer has finished counting down and user open extension again, then login page will be shown:

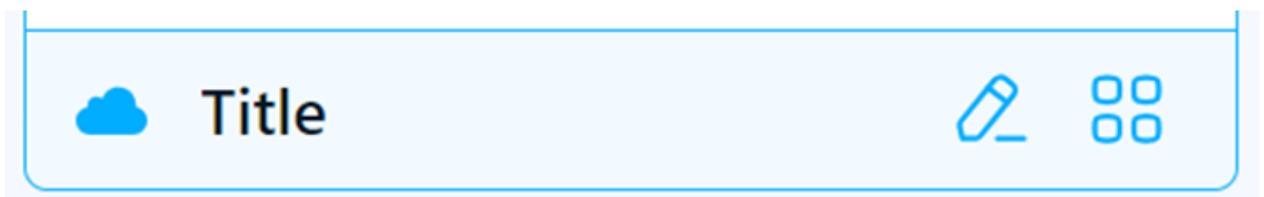


Authenticate

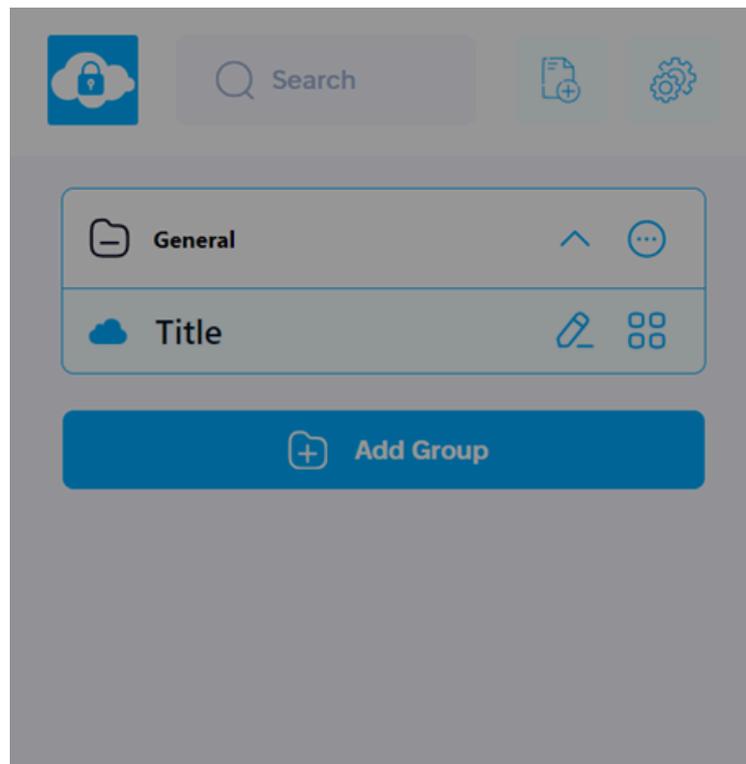
To make login user should press on 'Authenticate' button and enter PIN code or make fingerprint or scanning QR-code (depending on what the user has selected). If user enter valid value, then user will be redirect to page when he was before extension closing.

Login

Every credential has list of available login options. To see list of available login action user should press on grid icon and after that modal with default actions will appear.



For every credential available 3 login options: 'Open in new tab', 'Open in incognito', 'Open in new window'.



Open credential



Open in new tab



Open in Incognito

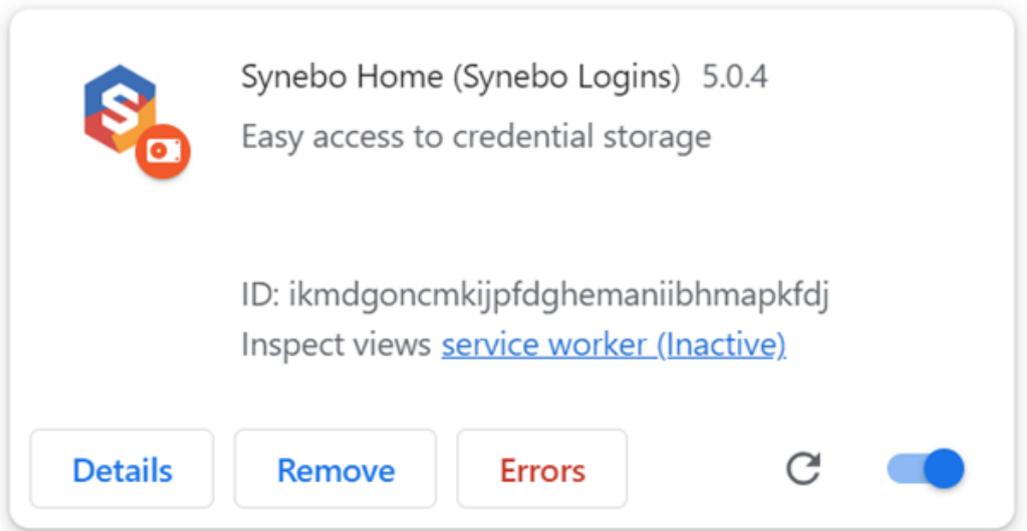


Open in new window

After click on 'Open in new tab', will be create a new tab.

After click on 'Open in new window',new window will be created.

After click on 'Open in incognito', new incognito window will be opened, BUT to make a succesfull login incognito window should have access to extension, to provide this access, user should open extension list find extension and press 'Details' button



Then user should enable 'Allow in Incognito' option.

Allow in Incognito

Warning: Google Chrome cannot prevent extensions from recording your browsing history. To disable this extension in Incognito mode, unselect this option.

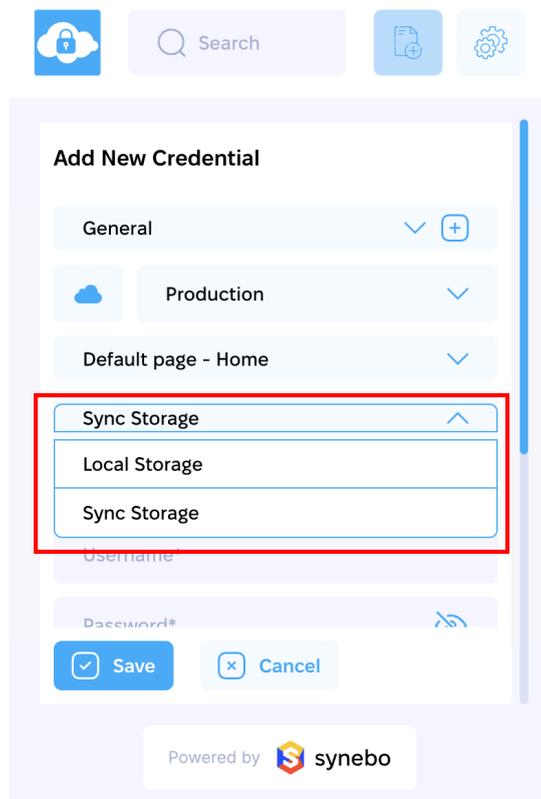


After that user can login with Incognito mode.

Sync/Unsync credentials

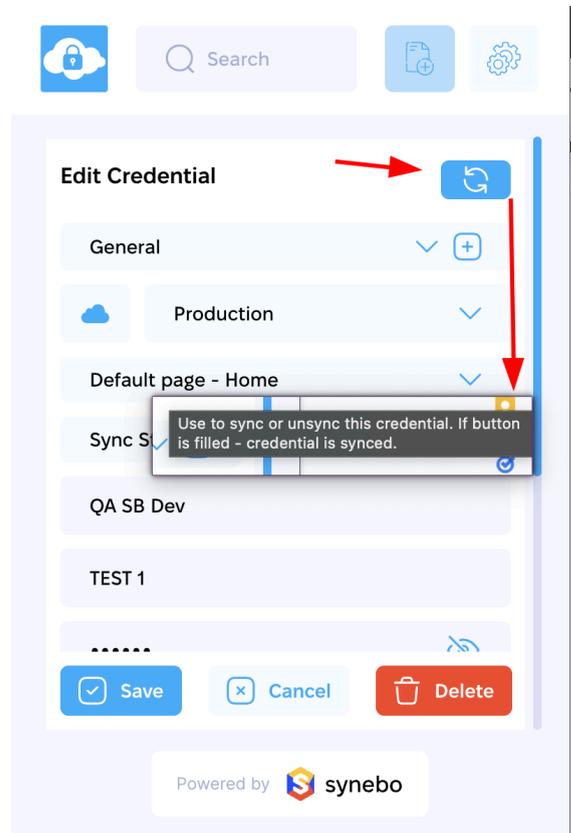
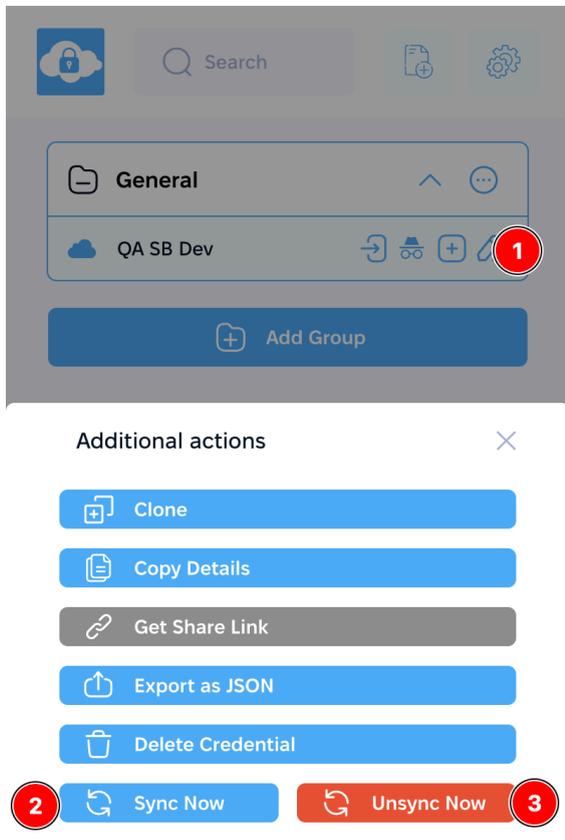
With this new feature, you can manage your credentials across both Sync Storage and Local Storage within your Chrome browser.

When creating a new credential, you can choose where to store it: **Sync Storage** or **Local Storage**.

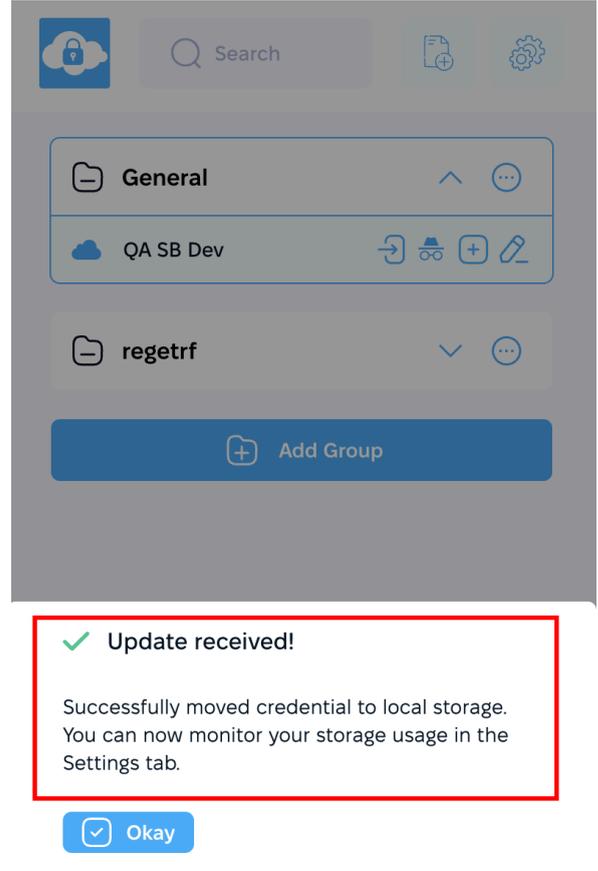
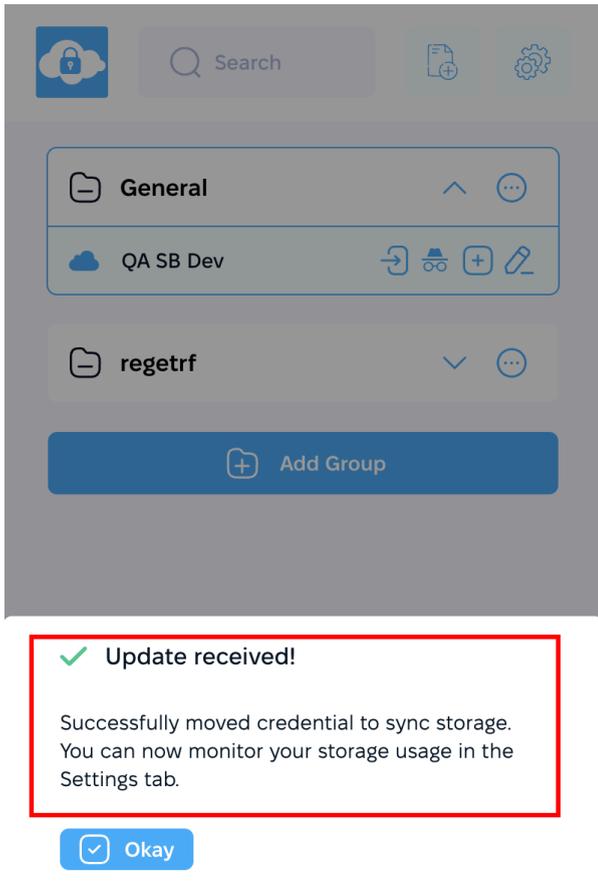


For each credential, you have the ability to either sync it (move it to Sync Storage) or unsync it (move it to Local Storage).

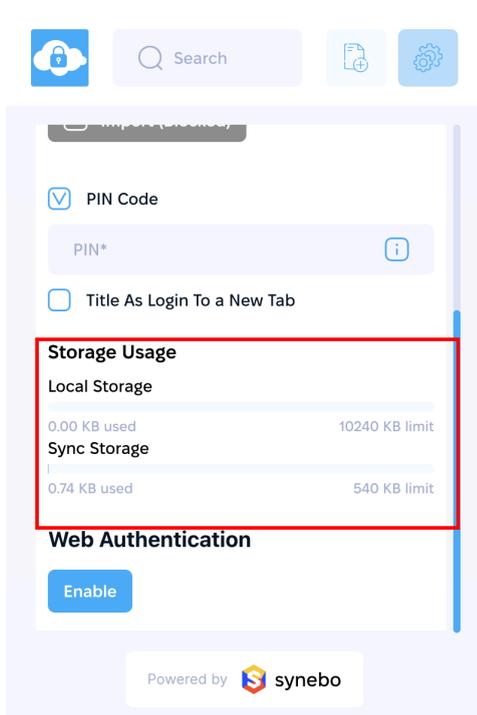
You can perform the sync or unsync action by clicking the pencil icon (see Picture 1) or by opening the credential and selecting the sync/unsync icon (see Picture 2).



After moving a credential to Sync Storage or Local Storage, you will see a corresponding success message.



To monitor Sync and Local Storage usage, open Settings by clicking the gear icon, then scroll to the **Storage Usage** section.



If you want to sync all credentials within a single folder, use the new action button **“Sync All Group Entries.”**

