

IBM® Security Access Manager for Enterprise Single  
Sign-On

*Cookbook for Web Autolearn Profile*





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## Chapter 1. Web Autolearn Profile

Welcome to the cookbook for IBM Security Access Manager for Enterprise Single Sign-On Web Autolearn Profile.

This cookbook provides an overview about the Web Autolearn Profile. This contains the features, supported scenarios, and procedures on how to use this profile.

### **AccessProfile features and purpose**

The Web Autolearn Profile provides single sign-on function for web applications. This profile supports generic logon forms on web pages that contain one user name and one password field.

Additionally, this profile provides the following features:

- Automatic capture of web credentials.
- Automatic sign-on to web page by using the captured credentials.
- Supports enterprise authentication service.
- Supports change password scenario.





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## Chapter 2. Background

### Web Autolearn AccessProfile

The IBM Security Access Manager for Enterprise Single Sign-On comes bundled with a default profile for web applications. The Web Autolearn AccessProfile is loaded if there is no explicitly defined AccessProfile found for a web page. This profile relies on the fact that most websites' login pages use a user name and a password input element that is embedded in a form element.

The Web Autolearn AccessProfile is identified by a special signature, such as:

```
/child::web[@domain="*"]
```

(note the "\*" for domain)

It also contains a generic set of user name and password signatures, such as:

```
/child::html/child::html/descendant::form/descendant::input[@type="password"]/ancestor::form/descendant::input[(@tag_name="input") and (@type="text" or @type="")]
```

Here is another example:

```
/child::html/child::html/descendant::form/descendant::input[@tag_name="input" and @type="password"]
```

You can disable the Autolearn AccessProfile by disabling the `pid_sso_auto_learn_enabled` policy or by removing the `sso_site_web_auto_learn` AccessProfile from the IMS Server.

The new Web Autolearn Profile is an improved Autolearn AccessProfile. It supports more web applications and supports change password scenario.

**Note:** The Web Autolearn Profile is not bundled with IBM Security Access Manager for Enterprise Single Sign-On IMS Server. You must download the profile bundle and upload the Web Autolearn Profile to the IMS Server to use this profile.



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## Chapter 3. Supported Scenarios

The Web Autolearn Profile can be configured for existing and new IBM Security Access Manager for Enterprise Single Sign-On Web Autolearn users.

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### Web Autolearn Profile for existing users

For users who are currently using the Web Autolearn profile.

**Note:** The current custom AccessProfiles for your enterprise web applications are not affected by the Web Autolearn Profile.

To use the Web Autolearn Profile as it is, do the following tasks:

1. Download and install the Web Autolearn Profile bundle. See Chapter 4, “Installing the Web Autolearn Profile,” on page 7.
2. Upload the Web Autolearn Profile. See Chapter 6, “Uploading the Web Autolearn Profile,” on page 11.

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### Web Autolearn Profile for new users

For users who disabled or deleted the Web Autolearn profile from the IMS Server and want to deploy the new Web Autolearn Profile.

#### Web Autolearn Profile for enterprise web applications only

To configure the Web Autolearn Profile for enterprise web applications only, do the following tasks:

1. Enable the auto-learning policy on AccessAdmin.
  - a. Go to **AccessAdmin > System > System policies > Wallet Policies**.
  - b. Set **Enable auto-learning?** to Yes.
  - c. Click **Update**.
2. Disable the single sign-on for personal authentication services on AccessAdmin.
  - a. Go to **AccessAdmin**.
  - b. Select a user from **Search users**.
  - c. Under **Wallet Policies**, set **Enable single sign-on using the automatic sign-on mode for personal authentication services?** to No.
  - d. Click **Update**.

**Note:** You can also disable the single sign-on for personal authentication services in the user policy template.

3. Download and install the Web Autolearn Profile bundle. See Chapter 4, “Installing the Web Autolearn Profile,” on page 7.
4. Upload the new autolearn profile. See Chapter 6, “Uploading the Web Autolearn Profile,” on page 11.
5. Create an enterprise authentication service and add server locators. See Chapter 5, “Configuring the Web Autolearn Profile to support enterprise authentication service,” on page 9.

## Web Autolearn Profile for enterprise and personal web applications

To configure the Web Autolearn Profile for enterprise and personal web applications, do the following tasks:

1. Enable the auto-learning policy on AccessAdmin.
  - a. Go to **AccessAdmin > System > System policies > Wallet Policies**.
  - b. Set **Enable auto-learning?** to Yes.
  - c. Set **Enable single sign-on for personal authentication services?** to Yes.
  - d. Click **Update**.
2. Enable the single sign-on for personal authentication services in AccessAdmin.
  - a. Go to **AccessAdmin**.
  - b. Select a user from **Search users**.
  - c. Under **Wallet Policies**, set **Enable single sign-on using the automatic sign-on mode for personal authentication services?** to Yes.
  - d. Click **Update**.

**Note:** You can also enable the single sign-on for personal authentication services in the user policy template.

3. Download and install the Web Autolearn Profile bundle. See Chapter 4, "Installing the Web Autolearn Profile," on page 7.
4. Upload the new autolearn profile. See Chapter 6, "Uploading the Web Autolearn Profile," on page 11.
5. Create an authentication service and add server locators. See Chapter 5, "Configuring the Web Autolearn Profile to support enterprise authentication service," on page 9.

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## Chapter 4. Installing the Web Autolearn Profile

To use the Web Autolearn Profile, you must download the profile and upload it to the IMS Server.

### Before you begin

Download the Web Autolearn Profile bundle from the AccessProfile library.

### Procedure

1. Open the `autolearn.eas` file in AccessStudio. The following profiles and widgets are loaded in the AccessStudio data type pane:
  - `sso_site_web_auto_learn`
  - `widget_change_password`
  - `widget_login`
2. Optional: Configure the Web Autolearn Profile. See Chapter 5, “Configuring the Web Autolearn Profile to support enterprise authentication service,” on page 9
3. Upload the Web Autolearn Profile to the IMS Server. See Chapter 6, “Uploading the Web Autolearn Profile,” on page 11.



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## Chapter 5. Configuring the Web Autolearn Profile to support enterprise authentication service

You can group web applications that require the same credentials by adding server locators to an authentication service.

### Before you begin

Ensure that you have an existing enterprise authentication service.

To create an enterprise authentication service, do the following tasks:

1. On the AccessStudio toolbar, click **New > New Authentication Service**.
2. Type the Id, display name and description of the authentication service.
3. Select an Account data template id.
4. Select the **This is an enterprise authentication service** check box under **Policies**. Edit the policy values based on the requirements of your organization.
5. Upload the authentication service to the IMS Server.

### Procedure

1. Go to **View > Authentication Services > Server Locators**.
2. Select the enterprise authentication service that you want to use.
3. Enter a domain on the server locators text field and click the **Add** button.
4. Repeat steps 1-3 until all the domains that you want to group are added to the server locator list.





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## Chapter 6. Uploading the Web Autolearn Profile

To activate the Web Autolearn Profile, you must upload the profile to the IMS Server.

### Before you begin

Ensure that you are logged on to your local AccessAgent as an IMS Server Administrator and that your computer is connected to the IMS Server.

### Procedure

1. In the AccessStudio data type pane, right-click on the profile.
2. Select **Upload to IMS**.
3. Click **Yes** when the IMS Upload Confirmation is displayed.



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## Chapter 7. Change password workflow

You can configure the Web Autolearn Profile to enable automatic password change for different web applications.

To enable the change password workflow, you must ensure that the domain of the change password URL is added to the server locator list of the enterprise authentication service. See Chapter 5, “Configuring the Web Autolearn Profile to support enterprise authentication service,” on page 9.

For information about change password scenario, see 'Change Password scenario' in the *IBM Security Access Manager for Enterprise Single Sign-On AccessStudio Guide*

The change password workflow supports forms with 2 or 3 input of password types. The following change password forms are supported:

- User name, current password, new password, confirmation of new password
- User name, new password, confirmation of new password
- Current password, new password, confirmation of new password
- New password, confirmation of new password

**Note:** The confirmation of new password fields is required for the change password workflow.



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End of IBM Security Access Manager for Enterprise Single Sign-On, Web Autolearn Profile, Version 1.3, Release Notes.



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