

# Profiles

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# Profiles

## Description

A profile is a protocol or subset of protocols implemented by the Identity Provider. There are some accepted protocols, those allows a custom config dependent on the selected profile.

The accepted protocols are the following:

1. [OpenIDProfile](#)
2. [SAML1ArtifactResolutionProfile](#)
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5. [SAML2AttributeQueryProfile](#)
6. [SAML2ECPPProfile](#)
7. [SAML2SSOProfile](#)
8. [CAS](#)
9. [Radius](#)
10. Tacacs+
11. Ws-Federation
12. Shared signals & events
13. [Esso](#)

# Screen overview

▼ Name
Filter
<del>CasProfile</del>
<del>Esso</del>
OpenidProfile
<del>RadiusProfile</del>
<del>SAML1ArtifactResolutionProfile</del>
<del>SAML1AttributeQueryProfile</del>
<del>SAML2ArtifactResolutionProfile</del>
<del>SAML2AttributeQueryProfile</del>
<del>SAML2ECPPProfile</del>
SAML2SSOProfile
Shared signals & events
<del>Tacacs+Profile</del>
<del>Ws Federation</del>

Displayed rows: 13

When an identity provider is created, by default, all the profiles appear disabled (the profile is displayed strikethrough). It will be necessary to config one by one depending on your company needs. To config a profile you must click on the proper profile, and Soffid will display a new window to config it.

## Actions

Open profile	If you click on a row of the profile list, Soffid will display a modal window with the data and configuration of the profile selected.
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# OpenIDProfile

## Definition

The Identity Provider will serve the OpenID-Connect protocol. It is possible to accept the default endpoints or modify them.

You can check the server features visiting <https://<YOUR-IdP>/.well-known/openid-configuration>. That JSON gives you information about the OAuth authentication types allowed, the key URL, the supported authentication methods and the info about the endpoints defined.

You can download an example [openid-configuration.json](#)

## Screen overview

Class :	<input type="text" value="OpenidProfile"/>
Enabled :	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Discovery endpoint	<input type="text" value="/.well-known/openid-configuration"/>
Authorization endpoint	<input type="text" value="/authorization"/>
Token endpoint	<input type="text" value="/token"/>
Revoke endpoint	<input type="text" value="/revoke"/>
User info endpoint	<input type="text" value="/userinfo"/>

Apply changes

## Standard attributes

- **Class:** class name (readOnly field).
- **Enabled:** if it is checked (selected option is Yes) that protocol will be enable.
- **Discovery endpoint:** call this endpoint to request the OpenID-Connect provider metadata.
- **Authorization endpoint:** call this endpoint to request or authorization grant.

- **Token endpoint:** call this endpoint to get the token or to renew the token.
- **Revoke endpoint:** call this endpoint when you finish and do not need more use the token.
- **User info endpoint:** call this endpoint to request user information.

# SAML1ArtifactResolutionProfile

## Definition

Based on SAML version 1 standard. This profile is used when the Service Provider wants to resolve or check a received assertion.

## Screen overview



Class :	SAML1ArtifactResolutionProfile
Enabled :	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sign Responses :	CONDITIONAL ▼
Sign Assertions :	NEVER ▼
Sign Requests :	CONDITIONAL ▼

Apply changes

## Standard attributes

- **Class:** class name (readOnly field).
- **Enabled:** if it is checked (selected option is Yes) that protocol will be enable.
- **Sign Responses:** usually it can be set to never, as long as the assertions are signed. Its preferable to sign assertions rather than responses, because the assertion can be forwarded by the service provider to another service provider, but the response not.
- **Sign Assertions:** it's advisable to sign every assertion, so it avoids assertion spoofing. The assertion can be forwarded by the service provider to another service provider.
- **Sign Request:** the identity provider will issue requests to service providers in order to perform the single logout process. Unless it is needed by any service provider, leave it to conditional.



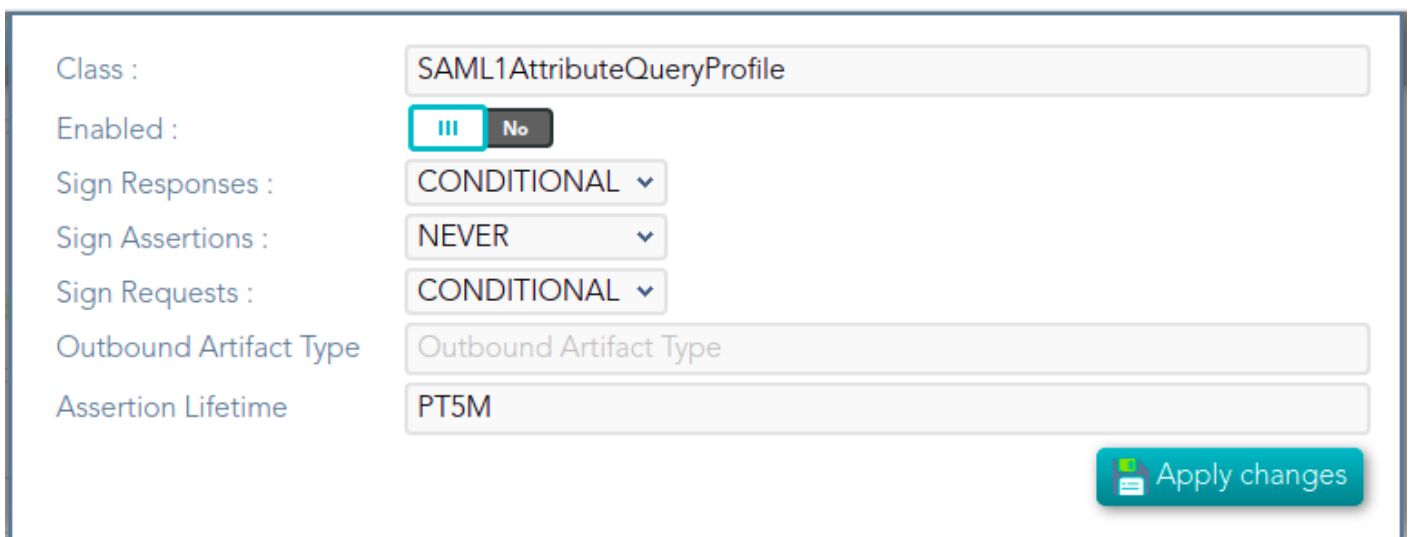
# SAML1AttributeQueryProfile

## Definition

Based on SAML version 1 standard. This profile is used when the SSOProfile does not include attributes statements in the assertion. This profile allows to the applications request user data.

When you are configuring the profile, you could define what data will be encrypted and signed.

## Screen overview



Class :	SAML1AttributeQueryProfile
Enabled :	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sign Responses :	CONDITIONAL ▼
Sign Assertions :	NEVER ▼
Sign Requests :	CONDITIONAL ▼
Outbound Artifact Type	Outbound Artifact Type
Assertion Lifetime	PT5M

Apply changes

## Standard attributes

- **Class:** class name (readOnly field).
- **Enabled:** if it is checked (selected option is Yes) that protocol will be enable.
- **Sign Responses:** usually it can be set to never, as long as the assertions are signed. Its preferable to sign assertions rather than responses, because the assertion can be forwarded by the service provider to another service provider, but the response not.
- **Sign Assertions:** it's advisable to sign every assertion, so it avoids assertion spoofing. The assertion can be forwarded by the service provider to another service provider.
- **Sign Request:** the identity provider will issue requests to service providers in order to perform the single logout process. Unless it is needed by any service provider, leave it to conditional.

- **Outbound Artifact Type:** defaults to 4. Any other value is not supported. For more information, see SAML specification.
- **Assertion Lifetime:** specifies the validity period for the generated assertions . The time period is specified using the ISO 8601 notation. The standard format follows the pattern: PnYnMnDTnHnMnS.

Assertion Lifetime examples:

- PT5M sets a duration of five minutes.
- PT1H30M sets a duration of one hour and a half.
- P3Y6M4DT12H30M5S" sets a duration of three years, six months, four days, twelve hours, thirty minutes, and five seconds.

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[https://en.wikipedia.org/wiki/ISO\\_8601](https://en.wikipedia.org/wiki/ISO_8601)

<http://saml.xml.org/saml-specifications>

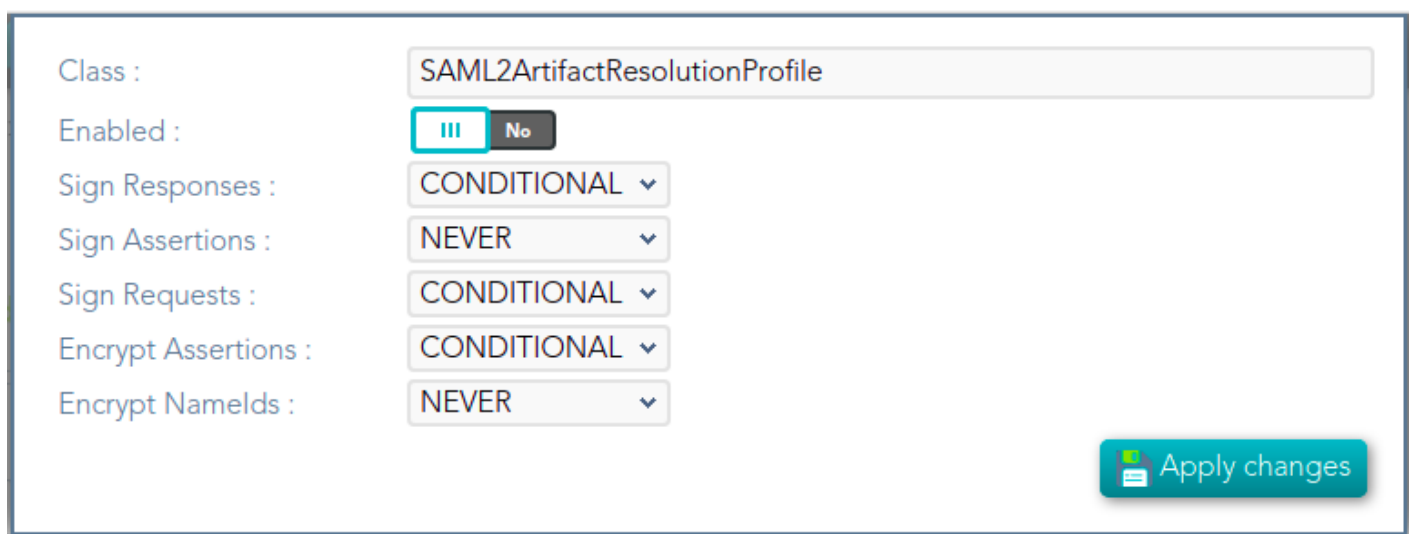
# SAML2ArtifactResolutionProfile

## Definition

Based on SAML version 1 standard. This profile is used when the Service Provider wants to resolve or check a received assertion. The profile configuration settings are quite similar to those present in SAML2SSOProfile.

When you are configuring the profile, you could define what data will be encrypted and signed.

## Screen overview



The screenshot shows a configuration interface for the SAML2ArtifactResolutionProfile. It includes a 'Class' field set to 'SAML2ArtifactResolutionProfile', an 'Enabled' toggle switch currently set to 'No', and several dropdown menus for 'Sign Responses' (CONDITIONAL), 'Sign Assertions' (NEVER), 'Sign Requests' (CONDITIONAL), 'Encrypt Assertions' (CONDITIONAL), and 'Encrypt Namelds' (NEVER). An 'Apply changes' button is located at the bottom right.

Class :	SAML2ArtifactResolutionProfile
Enabled :	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sign Responses :	CONDITIONAL ▼
Sign Assertions :	NEVER ▼
Sign Requests :	CONDITIONAL ▼
Encrypt Assertions :	CONDITIONAL ▼
Encrypt Namelds :	NEVER ▼

Apply changes

## Standard attributes

- **Class:** class name (readOnly field).
- **Enabled:** if it is checked (selected option is Yes) that protocol will be enable.
- **Sign Responses:** usually it can be set to never, as long as the assertions are signed. Its preferable to sign assertions rather than responses, because the assertion can be forwarded by the service provider to another service provider, but the response not.

- **Sign Assertions:** it's advisable to sign every assertion, so it avoids assertion spoofing. The assertion can be forwarded by the service provider to another service provider.
- **Sign Request:** the identity provider will issue requests to service providers in order to perform the single logout process. Unless it is needed by any service provider, leave it to conditional.
- **Encrypt Assertions:** is a desired feature, but some service providers, mainly public cloud service providers do not support it. Thus, the default value is to never encrypt, but you can set it to optional or always as needed.
  - If you set it to optional and the public key of the service provider who is going to receive the assertion is available, it will be used to encrypt it.
  - If you set it to never, it will not ever be encrypted in any case.
  - If you set it to always, but the remote service provider encryption key is unknown, an exception will be raised.
- **Encrypt NamelDs:** should be let to never.

# SAML2AttributeQueryProfile

## Definition

Based on SAML version 1 standard. This profile is used when the SSOProfile does not include attributes statements in the assertion. This profile allows to the applications request user data.

When you are configuring the profile, you could define what data will be encrypted and signed.

## Screen overview

The screenshot displays the configuration interface for the SAML2AttributeQueryProfile. The settings are as follows:

Property	Value
Class :	SAML2AttributeQueryProfile
Enabled :	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sign Responses :	CONDITIONAL
Sign Assertions :	NEVER
Sign Requests :	CONDITIONAL
Outbound Artifact Type	Outbound Artifact Type
Assertion Lifetime	PT5M
Encrypt Assertions :	CONDITIONAL
Encrypt Namelds :	NEVER
Assertion Proxy Count :	Assertion Proxy Count

An "Apply changes" button is located at the bottom right of the configuration area.

## Standard attributes

- **Class:** class name (readOnly field).
- **Enabled:** if it is checked (selected option is Yes) that protocol will be enable.
- **Sign Responses:** usually it is set to conditional or always, so as the service provider can verify the response authenticity.
- **Sign Assertions:** is usually set to never, as long as the response is already signed.

- **Sign Request:** not used, as the service provider will not need to generate requests.
- **Outbound Artifact Type:** usually kept in blank, unless you are using old SAML 1 service.
- **Assertion Lifetime:** specifies the validity period for the generated assertions. The time period is specified using the ISO 8601 notation. The standard format follows the pattern: PnYnMnDTnHnMnS. This means that PT5M sets a duration of five minutes. For instance, PT1H30M sets a duration of one hour and a half.
- **Encrypt Assertions:** is a desired feature, but some service providers, mainly public cloud service providers do not support it. Thus, the default value is to never encrypt, but you can set it to optional or always as needed.
  - If you set it to optional and the public key of the service provider who is going to receive the assertion is available, it will be used to encrypt it.
  - If you set it to never, it will not ever be encrypted in any case.
  - If you set it to always, but the remote service provider encryption key is unknown, an exception will be raised.
- **Encrypt Namelids:** should be let to never.
- **Assertion Proxy Count:** sets the maximum number of hops that can be accepted for any assertion. A number of 0 does not set any limit.

# SAML2ECPPProfile

## Definition

The Enhanced Client Profile is used when the Service Provider is not a web application. Nowadays, it is rarely used, as most mobile applications have shifted to OAuth or OpenIDConnect.

When you are configuring the profile, you could define what data will be encrypted and signed.

## Screen overview

Class :	<input type="text" value="SAML2ECPPProfile"/>
Enabled :	<input checked="" type="checkbox"/> <input type="checkbox"/> No
Sign Responses :	<input type="text" value="CONDITIONAL"/> ▼
Sign Assertions :	<input type="text" value="NEVER"/> ▼
Sign Requests :	<input type="text" value="CONDITIONAL"/> ▼
Outbound Artifact Type	<input type="text" value="Outbound Artifact Type"/>
Assertion Lifetime	<input type="text" value="PT5M"/>
Encrypt Assertions :	<input type="text" value="CONDITIONAL"/> ▼
Encrypt Namelds :	<input type="text" value="NEVER"/> ▼
Assertion Proxy Count :	<input type="text" value="Assertion Proxy Count"/>
Include Attribute Statement :	<input checked="" type="checkbox"/> <input type="checkbox"/>
Include Attribute Statement :	<input type="text" value="Include Attribute Statement"/>
Locality DNS Name :	<input type="text" value="Locality DNS Name"/>

Apply changes

## Standard attributes

- **Class:** class name (readOnly field).
- **Enabled:** if it is checked (selected option is Yes) that protocol will be enable.
- **Sign Responses:** usually it can be set to never, as long as the assertions are signed. Its preferable to sign assertions rather than responses, because the assertion can be forwarded by the service provider to another service provider, but the response not.
- **Sign Assertions:** it's advisable to sign every assertion, so it avoids assertion spoofing. The assertion can be forwarded by the service provider to another service provider.
- **Sign Request:** the identity provider will issue requests to service providers in order to perform the single logout process. Unless it is needed by any service provider, leave it to conditional.
- **Encrypt Assertions:** is a desired feature, but some service providers, mainly public cloud service providers do not support it. Thus, the default value is to never encrypt, but you can set it to optional or always as needed.
  - If you set it to optional and the public key of the service provider who is going to receive the assertion is available, it will be used to encrypt it.
  - If you set it to never, it will not ever be encrypted in any case.
  - If you set it to always, but the remote service provider encryption key is unknown, an exception will be raised.
- **Encrypt Namelds:** should be let to never.
- **Assertion Proxy Count:** sets the maximum number of hops that can be accepted for any assertion. A number of 0 does not set any limit
- **Include Attribute Statement:**
  - ◦ If the attribute statements are included (selected value is Yes), that is the user attributes are included on the response the performance is increased as this additional step is no longer needed. It is particularly recommended when using public cloud service providers.
  - If attribute statements are not included (selected value is No), the service provider will receive the SAML assertion with the principal name, then the service provider will issue a attribute statement request to the service provider to get them.
- **Locality DNS Name**

# SAML2SSOProfile

## Definition

This is the most commonly used SAML profile. It allows the IdP to identify users and to give such information to Service Providers. This profile is used to log in.

When you are configuring the profile, you could define what data will be encrypted and signed.

## Screen overview

The screenshot displays a configuration interface for the SAML2SSOProfile. It features a list of settings on the left and their corresponding values or controls on the right. The 'Class' is set to 'SAML2SSOProfile'. The 'Enabled' toggle is turned on, indicated by a blue bar with three white vertical lines. 'Sign Responses' is set to 'CONDITIONAL', 'Sign Assertions' to 'NEVER', and 'Sign Requests' to 'CONDITIONAL'. The 'Outbound Artifact Type' is 'Outbound Artifact Type', 'Assertion Lifetime' is 'PT5M', 'Encrypt Assertions' is 'CONDITIONAL', and 'Encrypt Namelds' is 'NEVER'. The 'Assertion Proxy Count' is 'Assertion Proxy Count'. The 'Include Attribute Statement' toggle is turned on, indicated by a green bar with three white vertical lines. The 'Maximum SP Session Lifetime' is 'Maximum SP Session Lifetime'. An 'Apply changes' button is located at the bottom right.

Class :	SAML2SSOProfile
Enabled :	<input checked="" type="checkbox"/> No
Sign Responses :	CONDITIONAL ▼
Sign Assertions :	NEVER ▼
Sign Requests :	CONDITIONAL ▼
Outbound Artifact Type	Outbound Artifact Type
Assertion Lifetime	PT5M
Encrypt Assertions :	CONDITIONAL ▼
Encrypt Namelds :	NEVER ▼
Assertion Proxy Count :	Assertion Proxy Count
Include Attribute Statement :	<input checked="" type="checkbox"/> Yes
Maximum SP Session Lifetime	Maximum SP Session Lifetime

Apply changes

## Standard attributes

- **Class:** class name (readOnly field).
- **Enabled:** if it is checked (selected option is Yes) that protocol will be enabled.

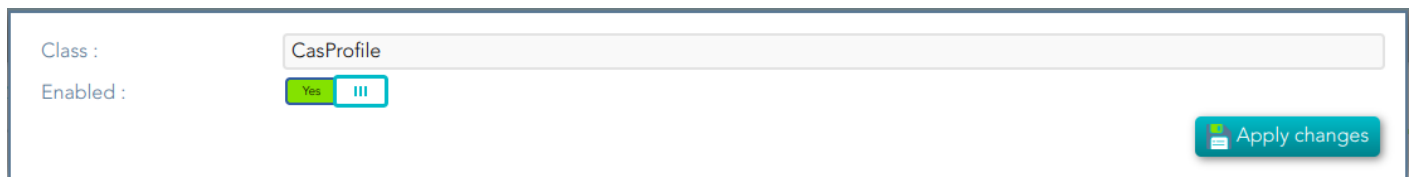
- **Sign Responses:** usually it can be set to never, as long as the assertions are signed. Its preferable to sign assertions rather than responses, because the assertion can be forwarded by the service provider to another service provider, but the response not.
- **Sign Assertions:** it's advisable to sign every assertion, so it avoids assertion spoofing. The assertion can be forwarded by the service provider to another service provider.
- **Sign Request:** the identity provider will issue requests to service providers in order to perform the single logout process. Unless it is needed by any service provider, leave it to conditional.
- **Outbound Artifact Type:** usually kept in blank, unless you are using old SAML 1 service.
- **Encrypt Assertions:** is a desired feature, but some service providers, mainly public cloud service providers do not support it. Thus, the default value is to never encrypt, but you can set it to optional or always as needed.
  - If you set it to optional and the public key of the service provider who is going to receive the assertion is available, it will be used to encrypt it.
  - If you set it to never, it will not ever be encrypted in any case.
  - If you set it to always, but the remote service provider encryption key is unknown, an exception will be raised.
- **Encrypt Namelids:** should be let to never.
- **Assertion Proxy Count:** sets the maximum number of hops that can be accepted for any assertion. A number of 0 does not set any limit
- **Include Attribute Statement:**
  - If the attribute statements are included (selected value is Yes), that is the user attributes are included on the response the performance is increased as this additional step is no longer needed. It is particularly recommended when using public cloud service providers.
  - If attribute statements are not included (selected value is No), the service provider will receive the SAML assertion with the principal name, then the service provider will issue a attribute statement request to the service provider to get them.

# CAS

## Definition

Cas protocol is rarely used.

## Screen overview



Class : CasProfile

Enabled : ☒ Yes ☐ No

Apply changes

## Standard attributes

- **Class:** class name (readOnly field).
- **Enabled:** if it is checked (the selected option is Yes) that protocol will be enabled.

# Radius

## Definition

Networking protocol that authorizes and authenticates users who access a remote network.

## Screen overview



The screenshot displays a configuration form for a Radius profile. The fields and their values are as follows:

Field	Value
Class :	RadiusProfile
Enabled :	Yes (selected)
Authentication port :	1812
Accounting port :	1813
Enable PAP (unsecure) :	No
Enable CHAP :	Yes (selected)
Enable MS CHAP v2 :	Yes (selected)

An "Apply changes" button is located at the bottom right of the form.

## Standard attributes

- **Class:** class name (readOnly field).
- **Enabled:** if it is checked (selected option is Yes) that protocol will be enabled.
- **Authentication port:** UDP authentication port. This port is used to log in.
- **Accounting port:** UDP authentication port. This port is used to manage the session, when the session starts and when finishes.
- **Enable PAP (unsecure):** authentication protocol. The password to send is unencrypted.
- **Enable CHAP:** authentication protocol. The password to send is encrypted.
- **Enable MS CHAP v2:** authentication protocol.

# ESSO

## Definition

Here is an explanation about how to configure the ESSO profile by using Soffid as Identity Provider.

Please note that the profile parameters will be automatically updated on the PCs.

## Screen overview

Class :	Esso	
Enabled :	<div>Yes</div> <div>II</div>	
Soffid main agent :	soffid	Soffid system
Seconds to send keep alive from desktop to server :	60	
Timeout to close sessions :	1200	
Enable Windows credential provider :	<div>II</div> <div>No</div>	
Display last logged-on user :	<div>Yes</div> <div>II</div>	
Create local accounts when there is no domain account :	<div>II</div> <div>No</div>	
Maximum number of consecutive days to allow an off-line logon :	Maximum number of consecutive days to allow an off-line logon	
Enforce ESSO session when desktop gets on-line. :	<div>II</div> <div>No</div>	
Enforce ESSO sessions :	<div>II</div> <div>No</div>	
Let the user close the ESSO session :	<div>Yes</div> <div>II</div>	
Allow quickly (and insecure) switch between users :	<div>II</div> <div>No</div>	
Hostname format :	Long (fully-qualified host name) ▼	
Label for standard login :	Label for standard login	
Label for administrator login :	Label for administrator login	

↩ Close

# Standard attributes

- **Class:** class name (readOnly field).
- **Enabled:** if it is checked (selected option is Yes) that protocol will be enabled.
- **Soffid main agent:** main agent to check the user account.
- **Seconds to send keep alive from desktop to server:**
- **Timeout to close sessions:**
- **Enable Windows credential provider:** if it is checked (selected option is Yes), the soffid logo will be displayed.
- **Display last logged-on user:** if it is checked (selected option is Yes), the last logged-on user will be displayed.
- **Create local accounts when there is no domain account:** if checked (the selected option is Yes) and the account does not exist in the main Soffid agent, the account is created as a local machine user.
- **Let user login as a shared account:** PAM Desktop
- **Maximum number of consecutive days to allow an off-line logon:** the maximum value is 30 days.
- **Enforce ESSO session when desktop gets on-line:** if it is checked (selected option is Yes), the authentication is forced when the connection is retrieved
- **Enforce ESSO sessions:** if it is checked (selected option is Yes), performs authentication against the Windows domain without logging into Soffid.
- **Let the user close the ESSO session:** allow the user to log out from ESSO
- **Allow quickly (and insecure) switch between users:** if it is checked (selected option is Yes),
- **Hostname format**
- **Label for standard login:** label to be displayed for standard user in Windows desktop.
- **Label for administrator login:** label to be displayed for administrator user in Windows desktop.

## Configuration

Once you have configured the Esso profile you must add an Adaptive authentication rule.

For more information, visit [the Condition for Adaptive authentication page](#).

Adaptive authentication

Description : 

Esso

Condition : 

isEsso

Always ask for credentials : 

No

First authenti	Password	Kerberos	External	OTP	Email	SMS	PIN	Certifica	FIDO	Push
Password	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Kerberos		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
External			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTP				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Email					<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SMS						<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PIN							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Certificat								<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FIDO									<input type="checkbox"/>	<input type="checkbox"/>
Push										<input type="checkbox"/>