

De PingFederate Identity Provider voor Cisco Identity Service installeren en configureren om SSO in te schakelen

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Inleiding

Dit document beschrijft de configuratie van de PingFederate Identity Provider (IdP) om Single Sign On (SSO) in te schakelen.

Cisco IDs-implementatiemodellen

Product	Implementatie
UCCX	medebewoner
PCCE	Medebewoner van CUIC (Cisco Unified Intelligence Center) en LD (Live Data)
UCCE	Co-resident met CUIC en LD voor 2k-implementaties. Standalone voor 4k en 12k implementaties.

Voorwaarden

Vereisten

Cisco raadt kennis van de volgende onderwerpen aan:

- Cisco Unified Contact Center Express (UCCX) versie 11.6 of Cisco Unified Contact Center Enterprise versie 11.6 of Packaged Contact Center Enterprise (PCCE) versie 11.6, indien van toepassing.
- PingFederate geïnstalleerd op Windows Server

Opmerking: Dit document verwijst naar de configuratie met betrekking tot de Cisco Identity Service (IdS) en de Identity Provider (IdP). Het document verwijst naar UCCX in de screenshots en voorbeelden, maar de configuratie is vergelijkbaar met betrekking tot de Cisco Identity Service (UCCX / UCCE / PCCE) en de IdP.

Gebruikte componenten

Dit document is niet beperkt tot specifieke software- en hardware-versies.

De informatie in dit document is gebaseerd op de apparaten in een specifieke laboratoriumomgeving. Alle apparaten die in dit document worden beschreven, hadden een opgeschoonde (standaard)configuratie. Als uw netwerk live is, moet u zorgen dat u de potentiële impact van elke opdracht begrijpt.

Installeren

Systemvereisten

Besturingssystemen	Java-omgeving	Ondersteunde browsers voor eindgebruikers	Ondersteunde browsers voor beheerconsole	Integratie v gegevensop (Voor het opzo van gebruikerskenm
<ul style="list-style-type: none"> • Microsoft Windows Server 2008 R2 SP (Service Pack) • Microsoft Windows Server 2012 Standard • Microsoft Windows Server 2012 R2 Datacenter • Oracle Enterprise Linux 6.5 (Red Hat compatibele kernel) • Oracle Solaris 10 • Red Hat Enterprise Linux ES 6.6 • Red Hat Enterprise Linux ES 7.0 • SUSE Linux Enterprise 11 SP 3 	<ul style="list-style-type: none"> • Oracle Java SE Runtime Environment (JRE Server) 7 update 79 (64-bits) • Oracle Java SE Runtime Environment (JRE Server) 8 update 45 (64-bits) 	<ul style="list-style-type: none"> • verchromen • Firefox • Internet Explorer (versie 9 en hoger) • safari 	<ul style="list-style-type: none"> • verchromen • Firefox • Internet Explorer (versie 9 en hoger) 	<ul style="list-style-type: none"> • Microsoft Active Directory (2008 en 2012) • Oracle Directory Server Enterprise Edition 11g • Microsoft SQL Server (Structured Query Language) S (2012 en 2008) • Oracle Database (10g en 11g) • Oracle MySQL

Installeren

Pak het ZIP-distributiebestand uit of gebruik een platformspecifiek installatieprogramma om PingFederate te installeren.

- Vraag een licentiesleutel aan via de webpagina voor Ping Identity-licenties (www.pingidentity.com/support-and-downloads/licensing.cfm)
- Zorg ervoor dat u bent aangemeld bij uw systeem met de juiste rechten voor het installeren en uitvoeren van een toepassing
- Controleer of de Java Runtime Environment (JRE) van de server is geïnstalleerd en of de variabelen van de omgeving en het pad correct zijn ingesteld

PingFederate-distributie installeren met ZIP-bestand

Pak het ZIP-distributiebestand uit in een installatiemap.

Waarschuwing: Om toekomstige problemen met geautomatiseerde upgrades te voorkomen, moet u de geïnstalleerde pingfederate-map niet hernoemen. Als u meerdere exemplaren van PingFederate op hetzelfde systeem installeert (bijvoorbeeld in bepaalde scenario's voor serverclustering), installeert u elke instantie op een andere locatie of wijzigt u de naam van de bovenliggende map om een parallelle bestandsstructuur op dezelfde locatie te installeren.

PingFederate-distributie met EXE-bestand installeren


Dubbelklik op het exe-bestand en volg de installatiestappen



PingFederate Setup

Operational Mode

Please choose which mode you'd like PingFederate to operate in.




- Standalone**
For a single node that will operate independently.
- Clustered Admin Node**
For one of several nodes in a cluster that will host the admin console.
Only one node in the cluster can operate the admin console.
- Clustered Runtime Node**
For one of several nodes in a cluster that will not host the admin console.

Back Next Cancel

PingFederate Setup

Administrative console and API

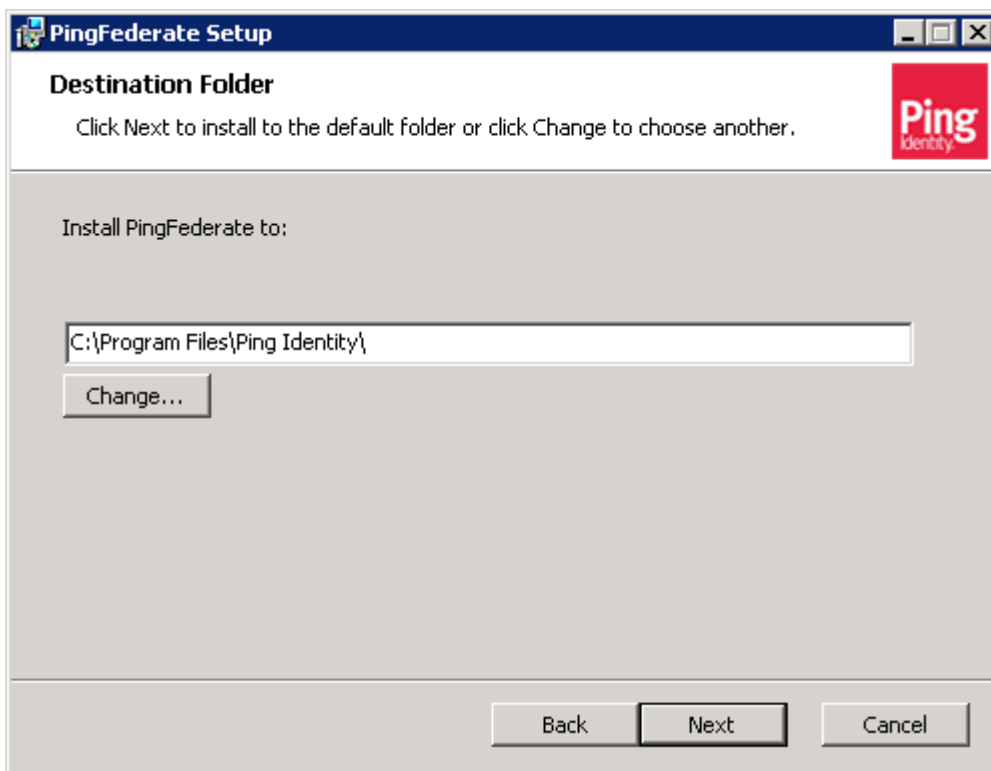
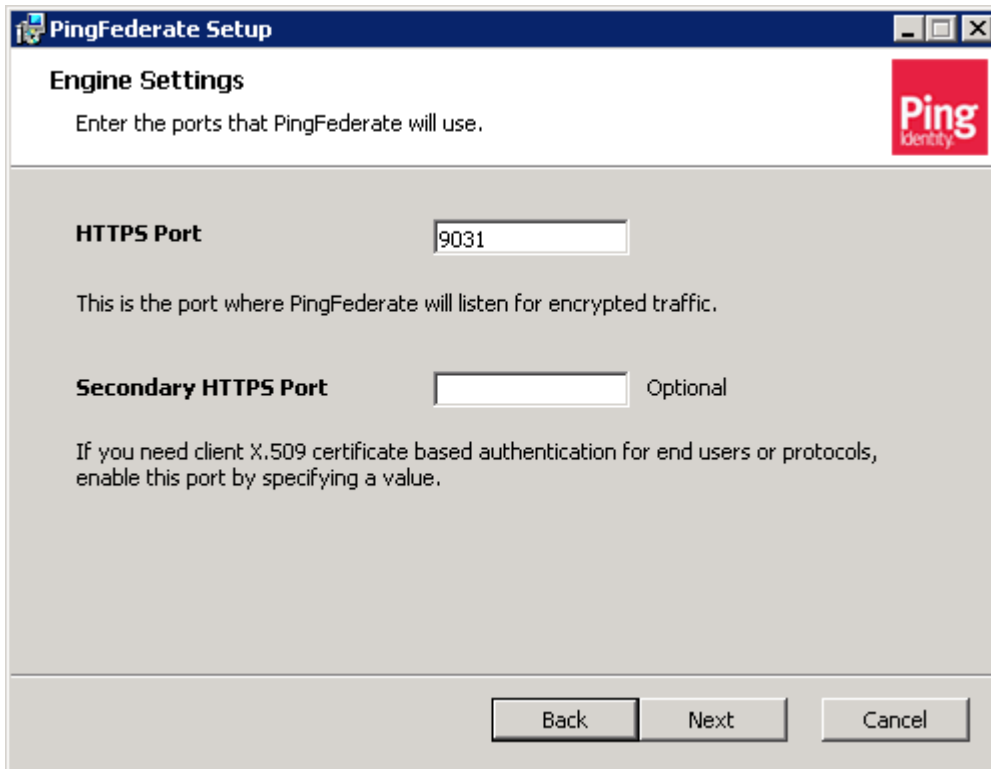
Enter the port for the admin console and API.

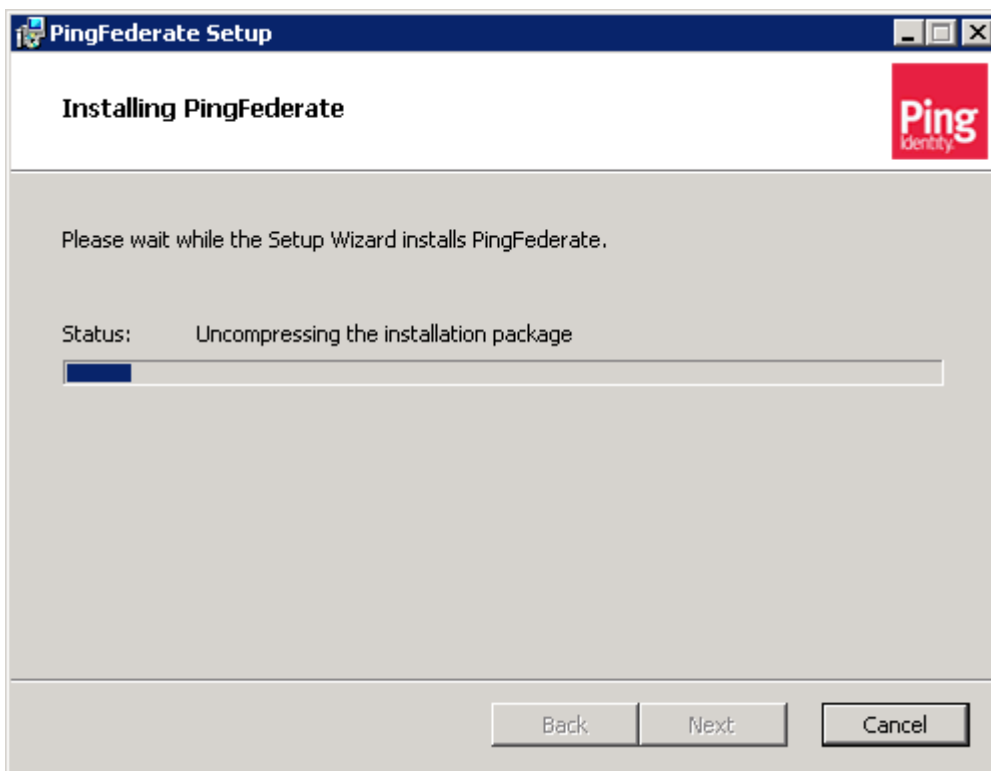
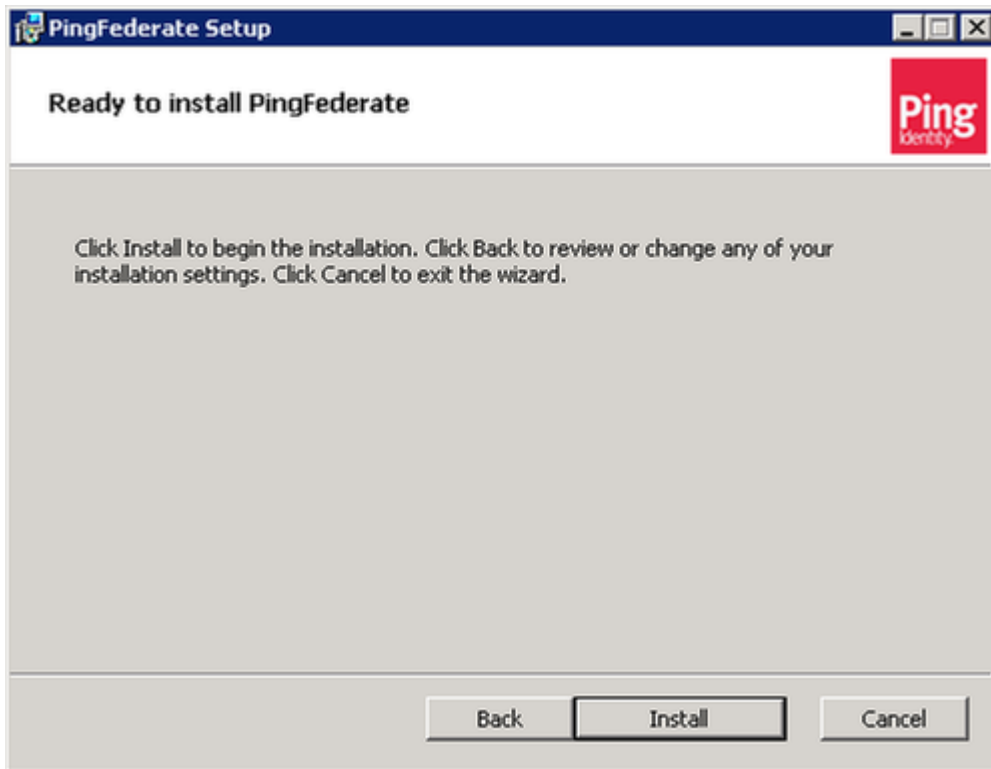


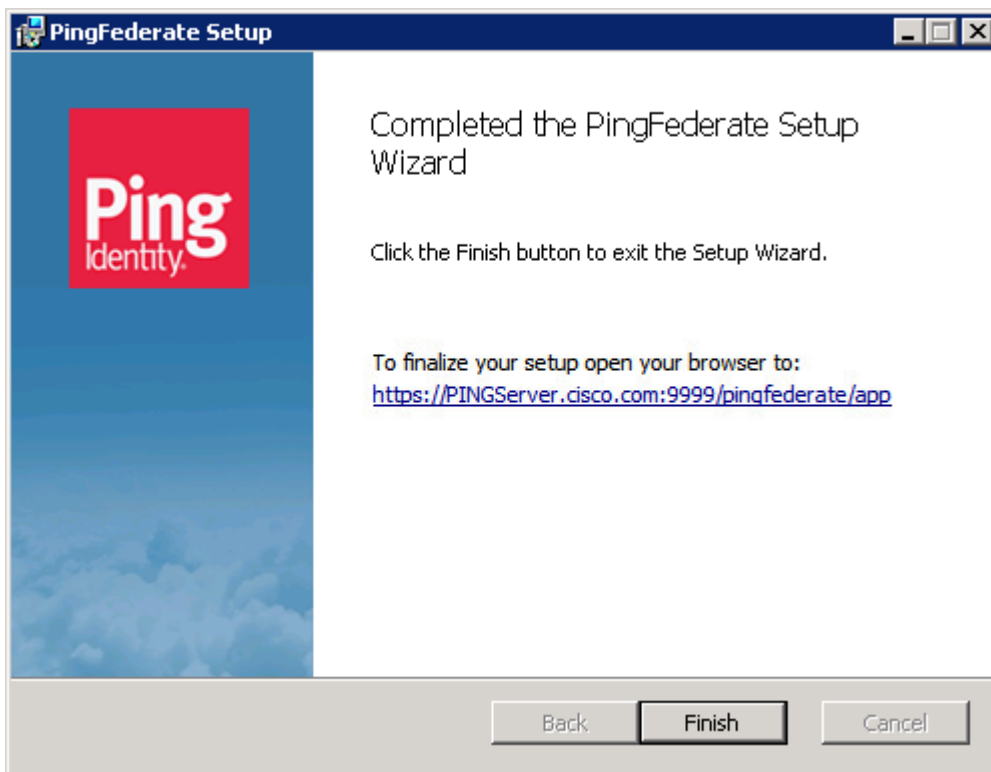
Admin HTTPS port

This is the port where PingFederate admin console and API will run.

Back Next Cancel







Start PingFederate voor het eerst

Als u PingFederate installeert met een van de platformspecifieke installateurs, wordt PingFederate geconfigureerd om als een service te worden uitgevoerd en automatisch gestart aan het einde van het installatieproces.

Als u PingFederate installeert met een distributie-ZIP-bestand, voert u het script uit om PingFederate handmatig te starten,

(Windows) <pf_install>/pingfederate/bin/run.bat

(Unix/Linux) <pf_install>/pingfederate/bin/run.sh

Wacht tot het script klaar is—het opstartproces is voltooid wanneer dit bericht aan het einde van de reeks verschijnt:

PingFederate gestart in <X>s:<Y>ms

Wizard Eerste installatie

De gebruikersinterface van de PingFederate-beheerder, de beheerdersconsole, is opgebouwd rond een systeem van wizard-achtige bedieningsschermen. Start de PingFederate-beheerconsole en gebruik de initiële installatiewizard om de configuratie van de instellingen van uw identiteitsfederatie te voltooien. U kunt PingFederate ook verbinden met PingOne om een krachtige on-premise en cloud-gebaseerde hybride oplossing te implementeren.

Om toegang te krijgen tot de beheerconsole:

Start uw browser en navigeer naar <https://<FQHN>:9999/pingfederate/app> (waarbij <FQHN> de volledig gekwalificeerde hostnaam is van de server waarop de PingFederate is geïnstalleerd).

Opmerking: Het poortnummer 9999 is standaard ingesteld. Dit kan worden gewijzigd via de PingFederate-eigenschappen.

Licentieovereenkomst aanvaarden

Ping PingFederate

Licentieovereenkomst

For more information on commercial licensing or support, contact Ping Sales at sales@pingidentity.com or call toll-free 877.898.2905 (+1303.468.2882 outside North America).

SOFTWARE LICENSE AGREEMENT

THIS CLICK-THROUGH AGREEMENT (THIS "**AGREEMENT**") IS BY AND BETWEEN PING IDENTITY CORPORATION ("**PING IDENTITY**") AND THE COMPANY OR ENTITY ON WHOSE BEHALF YOU ARE EXECUTING THIS AGREEMENT ("**CUSTOMER**"). You represent that you have the authority to bind Customer to the terms of this Agreement. By agreeing to the terms of this Agreement or by accessing, using or installing any part of the Products, Customer expressly agrees to and consents to be bound by all of the terms of this Agreement. If Customer does not agree to any of the terms of this Agreement, Customer is prohibited from downloading, installing, activating or using the Products. THE EFFECTIVE DATE OF THIS AGREEMENT IS THE DATE ON WHICH CUSTOMER ACCEPTS THESE TERMS BY CLICKING "ACCEPT" OR THE SIMILARLY LABELED BUTTON INDICATING ASSENT (THE "**EFFECTIVE DATE**").

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Definitions.

"Administrator" is an individual who has been granted administrative permissions by Customer to the Service in order to set-up, modify and suspend the Service, each as applicable.

"Affiliate(s)" means any entity that directly or indirectly controls, is controlled by, or is under common control with the subject entity. "Control," for purposes of this definition, means direct or indirect ownership or control of more than 50% of the voting interests of the subject entity.

"API" means an application programming interface.

"Customer Data" means all electronic data or information submitted by Customer to the Service. Customer Data also includes any data of an Identity Provider and its associated employees, consultants, contractors and agents transmitted through the Service in order to access Customer's services or applications.

"Documentation" means Ping Identity's then current on-line user's manuals made generally available by Ping Identity and provided to Customer along with the Software.

"Identity Provider" means an entity that desires single sign-on capabilities into a Service Provider's services or applications.

Accept

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PingOne-account

Do you want to connect this identity provider with PingOne to enable cloud-based single sign-on?

Yes, Connect to PingOne

To connect this PingFederate node to your PingOne account, enter your activation key below.

[Sign on to PingOne to get your activation key.](#)

ACTIVATION KEY

No, Set Up PingFederate Without PingOne

PingFederate works with or without a PingOne connection. Continue the setup below to use PingFederate on its own.

Next

Klik op Volgende

Licentie

Please upload a valid PingFederate license file.

License File

No file selected

Choose file

Previous

Next

U moet een ontwikkelingslicentie kopen of aanvragen bij pingidentity.com, het licentiebestand uploaden en op Volgende klikken

basisinformatie

Welcome to PingFederate. To set up your enterprise identity bridge, let's first confirm your Base URL and Entity ID.

BASE URL

ENTITY ID

[Previous](#)[Next](#)

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Stel de BASE-URL en de ENTITEIT-ID in en klik op Volgende

Rollen inschakelen

Please select the roles you expect PingFederate to play.

ROLES

 IDENTITY PROVIDER SERVICE PROVIDER OAUTH AUTHORIZATION SERVER[Previous](#)[Next](#)

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Selecteer IDENTITY PROVIDER en klik op Volgende

Configuratie van identiteitsprovider

If you're connecting to Active Directory, start the quick connection process below. You can configure any other user store connections after the PingFederate setup is complete.

Identity Provider Configuration

Connect to Active Directory

Previous **Next**

De verbinding met Active Directory kan later worden uitgevoerd. Klik op Volgende

Beheerdersaccount

Please choose a username and password for your primary administrator. You can add other administrators to PingFederate after setup is complete.

USERNAME

Administrator

PASSWORD

••••••••

CONFIRM PASSWORD

••••••••

Previous **Next**

Stel het beheerderswachtwoord in en klik op Volgende

Bevestiging

Here is a summary of your PingFederate configuration:

BASE URL: https://pingserver.cisco.com:9031
ENTITY ID: pingserver
ENABLE ROLE: Identity Provider
CREATE ACCOUNT: Administrator

Previous Next

Bevestig en klik op Volgende

compleet

Congratulations! You have successfully set up PingFederate.

What's Next?

IDENTITY PROVIDER

You can begin creating Service Provider connections to your target applications. Choose Create New under SP Connections to get started.

Done

Klik op Gereed

PingFederate configureren

Serverconfiguratie

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Digitale ondertekening en Extensible Markup Language (XML) Decryptie sleutels en certificaten

Klik op Serverconfiguratie > Certificaatbeheer > Sleutels en certificaten voor ondertekenen en XML-decodering

Establish and maintain your server's signing certificates, which may be used to sign assertions, security tokens, requests, and responses. These certificates may also be used for decryption.

Serial	Subject DN	Expires	Key Details	Status	Action
--------	------------	---------	-------------	--------	--------

Create New Import

Cancel Save

Klik op Nieuwe maken

Certificaat maken

Ping Identity PingFederate

License Warning: Approaching expiration date

MAIN

IdP Configuration

Server Configuration

Certificate Management | Create Certificate

Create Certificate Summary

Create a new Certificate and Private Key.

COMMON NAME SSO

ORGANIZATION CISCO

ORGANIZATIONAL UNIT CBABU

CITY Bangalore

STATE Karnataka

COUNTRY IN

VALIDITY (DAYS) 365

KEY ALGORITHM RSA

KEY SIZE (BITS) 2048

SIGNATURE ALGORITHM RSA SHA256

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Cancel Next

Klik op Volgende

uitvoercertificaat

Ping Identity PingFederate

License Warning: Approaching expiration date

MAIN

IdP Configuration

Server Configuration

Certificate Management | Export Certificate

Export Certificate Export & Summary

You have a choice of exporting the certificate and the key or just the certificate.

CERTIFICATE ONLY

CERTIFICATE AND PRIVATE KEY

Exporteren en overzicht

License Warning: Approaching expiration date

Certificate Management | Export Certificate

Export Certificate | Export & Summary

Click the Export button to export this certificate to the file system.

Export Certificate	
Subject DN	CN=SSO, OU=CBABU, O=CISCO, L=Bengaluru, ST=Karnataka, CHN
Issuer DN	CN=SSO, OU=CBABU, O=CISCO, L=Bengaluru, ST=Karnataka, CHN
Serial Number	015867 E2988D
Expires	Wed Nov 15 17:37:33 IST 2017

Export

Cancel Previous Done

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Klik op Exporteren

Gegevensopslag

Klik op Serverconfiguratie > SYSTEEMINSTELLINGEN > Gegevensopslag

License Warning: Approaching expiration date

Manage Data Stores

Manage data store definitions for use with attribute lookups.

Description	System ID	User	Type	Ldap Type	Action
jdbc:hsqldb:\${pf.server.data.dir}/\${hypersonid}/\${ProvisionerDefaultDB;hsqldb.lock_file=false	ProvisionerDS	sa	Database		Delete Check Usage

Add New Data Store

Cancel Save

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Klik op Nieuwe gegevensopslag toevoegen

LDAP-configuratie

PingFederate

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Manage Data Stores | Data Store

Data Store Type | LDAP Configuration | Summary

Please select a type of data store.

DATABASE

LDAP

CUSTOM

Cancel Next

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Kies LDAP en klik op Volgende

PingFederate

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Manage Data Stores | Data Store

Data Store Type | LDAP Configuration | Summary

Please provide the details for configuring this LDAP connection.

HOSTNAME(S) 10.78.93.148:389

LDAP TYPE Active Directory

BIND ANONYMOUSLY

USER DN cn=Administrator,cn=u

PASSWORD

USE LDAPS

MASK VALUES IN LOG

Advanced

Cancel Previous Next

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Voer de waarden in en klik op Volgende

Samenvatting

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Manage Data Stores | Data Store

Data Store Type LDAP Configuration Summary

Click a heading link to edit a configuration setting.

Data Store

Data Store Type

Type of Data Store: LDAP

LDAP Configuration

Hostname(s): 10.78.93.148:389

Username: cn=Administrator,cn=users,dc=cisco,dc=com

Cancel Previous Done Save

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Klik op Opslaan na verificatie.

Wachtwoordreferenties valideren

Klik op Serverconfiguratie > VERIFICATIE > Wachtwoordreferenties valideren

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Manage Credential Validator Instances

Credential Validators are plug-ins used to verify username and password pairs in various contexts throughout the system. The actual application of a Validator instance must be configured in the appropriate context as needed (e.g., OAuth Resource Owner Credentials Mapping).

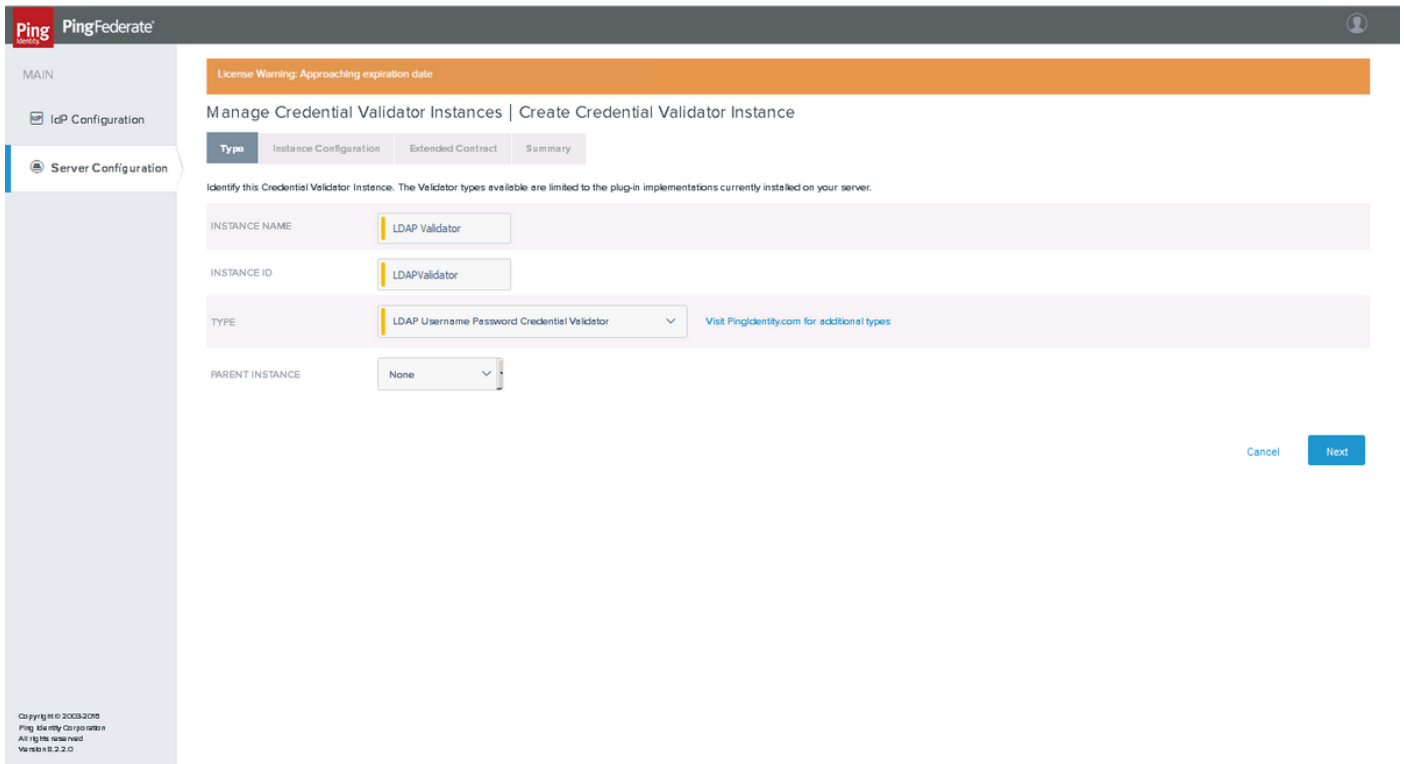
Instance Name	Instance Id	Type	Parent Name	Action
Create New Instance				

Cancel Save

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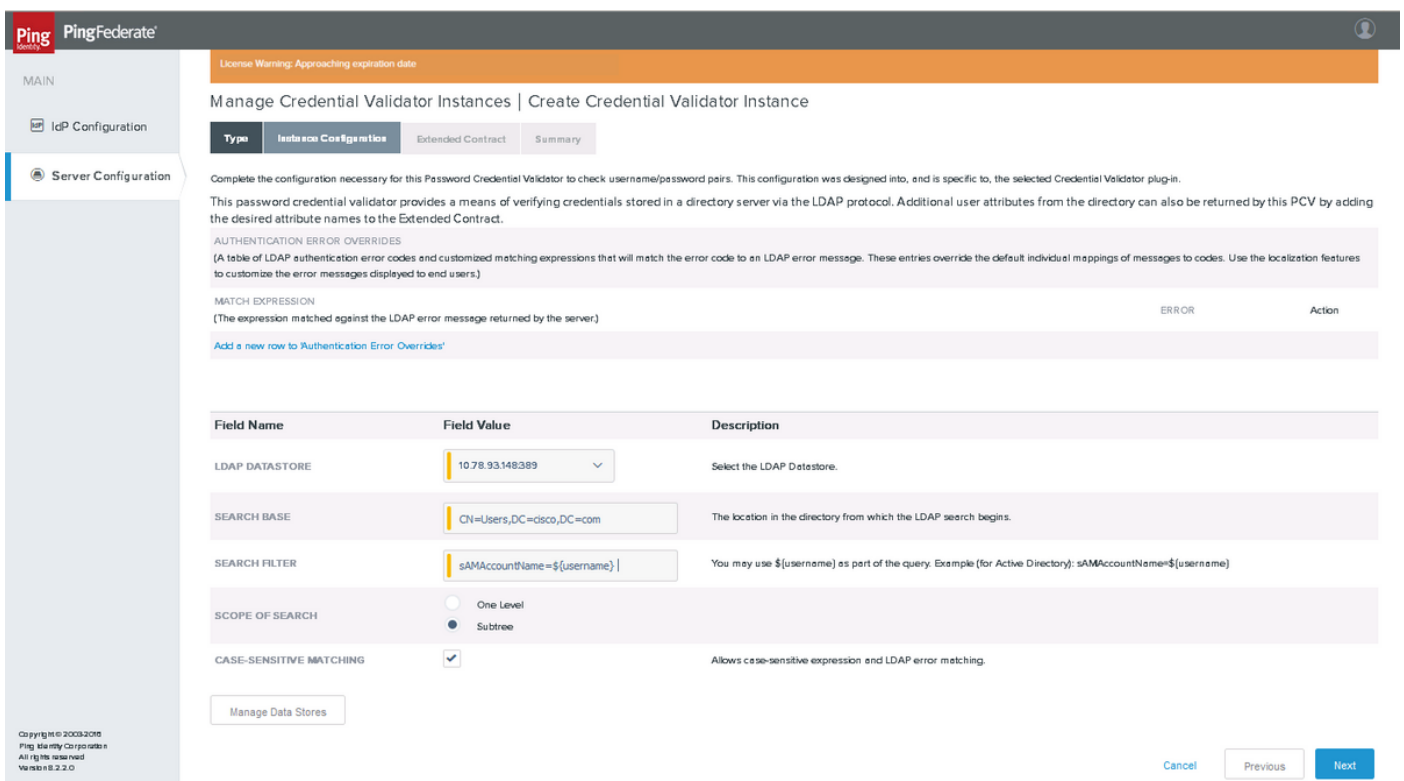
Klik op Nieuwe instantie maken.

Type



Selecteer de LDAP Gebruikersnaam Wachtwoord Credential Validator als het TYPE. Klik op Next (Volgende).

Instantieconfiguratie



Selecteer de LDAP-datastore en voer de zoekbasis, het zoekfilter en het zoekbereik in. Klik op Next (Volgende).

verlengd contract

License Warning: Approaching expiration date

Manage Credential Validator Instances | Create Credential Validator Instance

Type Instance Configuration **Extended Contract** Summary

You can extend the attribute contract of this Password Credential Validator instance.

Core Contract

DN

givenName

mail

username

Extend the Contract **Action**

[Cancel](#)

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Klik op Volgende

Samenvatting

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Manage Credential Validator Instances | Create Credential Validator Instance

Type Instance Configuration **Extended Contract** **Summary**

Password Credential Validator configuration summary.

Create Credential Validator Instance

Type

Instance Name	LDAP Validator
Instance Id	LDAPValidator
Type	LDAP Username Password Credential Validator
Class Name	org.sourceid.sem120.domain.LDAPUsernamePasswordCredentialValidator
Parent Instance Name	None

Instance Configuration

LDAP Dtestore	10.78.93.148:389
Search Base	CN=Users,DC=cisco,DC=com
Search Filter	sAMAccountName=\${username}
Scope of Search	Subtree
Case-Sensitive Matching	true

Extended Contract

Attribute	mail
Attribute	givenName
Attribute	DN
Attribute	username

[Cancel](#)

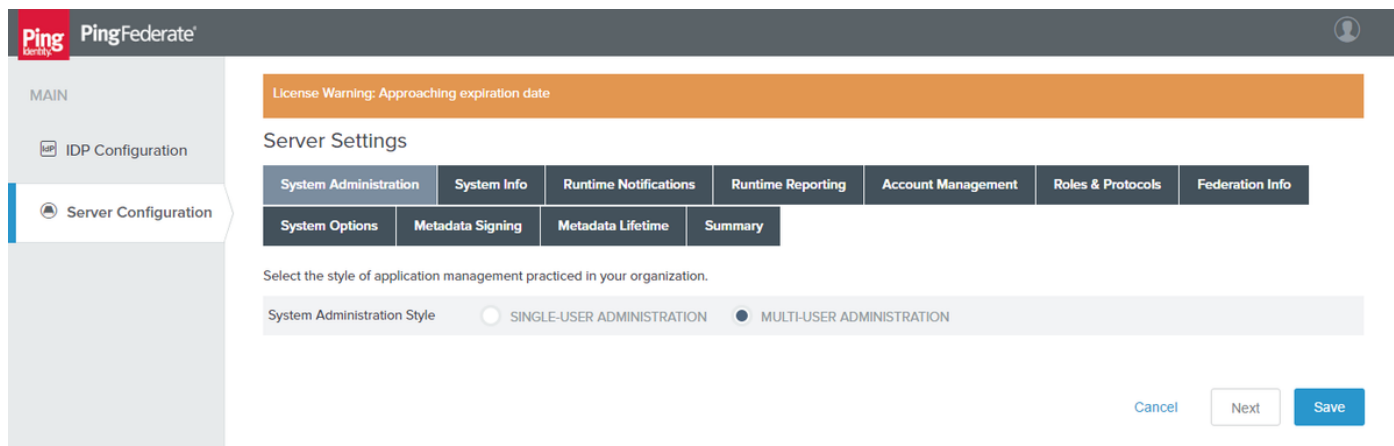
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Controleer de instellingen en klik op Gereed.

Serverinstellingen

Systeembeheer

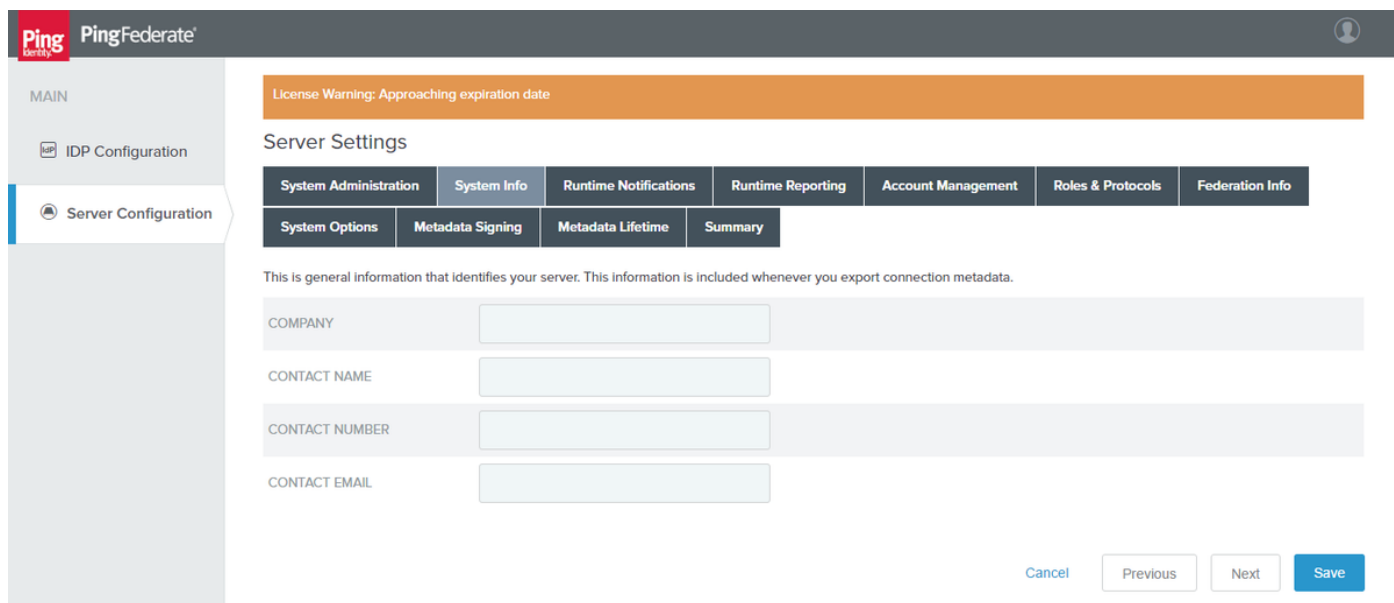
Klik op Serverconfiguratie > SYSTEEMINSTELLINGEN > Serverinstellingen



The screenshot shows the PingFederate administration interface. At the top, there is a 'License Warning: Approaching expiration date' banner. Below it, the 'Server Settings' section is active, with a sub-tab 'System Administration' selected. Under this sub-tab, 'System Options' is also selected. The main content area contains the text 'Select the style of application management practiced in your organization.' followed by a radio button selection for 'System Administration Style'. The 'MULTI-USER ADMINISTRATION' option is selected. At the bottom right, there are 'Cancel', 'Next', and 'Save' buttons.

Klik op Next (Volgende).

Systeeminfo



The screenshot shows the 'System Info' sub-tab selected under the 'System Administration' section. The main content area contains the text 'This is general information that identifies your server. This information is included whenever you export connection metadata.' followed by four input fields: 'COMPANY', 'CONTACT NAME', 'CONTACT NUMBER', and 'CONTACT EMAIL'. At the bottom right, there are 'Cancel', 'Previous', 'Next', and 'Save' buttons.

Klik op Next (Volgende).

Meldingen bij uitvoering

Ping Federate

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Server Settings

System Administration | System Info | Runtime Notifications | Runtime Reporting | Account Management | Roles & Protocols | Federation Info

System Options | Metadata Signing | Metadata Lifetime | Summary

Select which server events result in notifications sent via email.

NOTIFICATION FOR SERVER LICENSING EVENTS

NOTIFICATION FOR CERTIFICATE EVENTS

NOTIFICATION FOR SAML METADATA UPDATE EVENTS

Cancel Previous Next Save

Klik op Next (Volgende).

Runtime-rapportage

Ping Federate

License Warning: Approaching expiration date

Server Settings

System Administration | System Info | Runtime Notifications | Runtime Reporting | Account Management | Roles & Protocols | Federation Info

System Options | Metadata Signing | Metadata Lifetime | Summary

If your organization uses SNMP to monitor infrastructure, you can integrate this server with your existing network-management console.

RESPOND TO GET REQUESTS

GENERATE TRAPS

Cancel Previous Next Save

Klik op Next (Volgende).

Accountbeheer

Ping Federate

License Warning: Approaching expiration date

Server Settings

System Administration | System Info | Runtime Notifications | Runtime Reporting | Account Management | Roles & Protocols | Federation Info

System Options | Metadata Signing | Metadata Lifetime | Summary

Manage administrative-console or API users and their role assignments.

Username		User Admin	Admin	Crypto Admin	Action
Administrator	<input type="radio"/> AUDITOR <input checked="" type="radio"/> ADMIN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deactivate Change Password

Create User

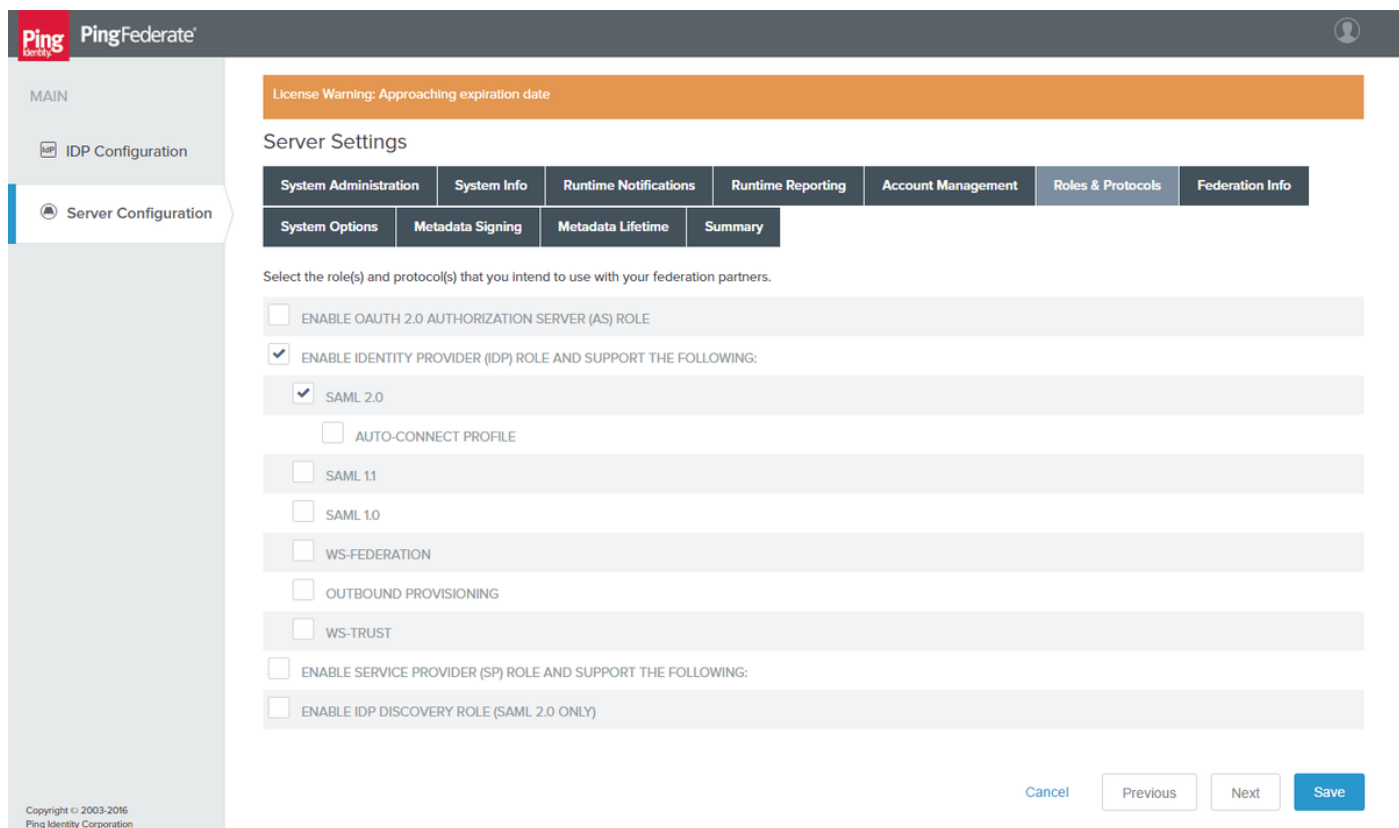
NOTIFY USER OF PASSWORD CHANGE

Cancel Previous Next Save

Klik op Next (Volgende).

Opmerking: in dit gedeelte kunt u een gebruiker toevoegen of het wachtwoord van de gebruiker wijzigen.

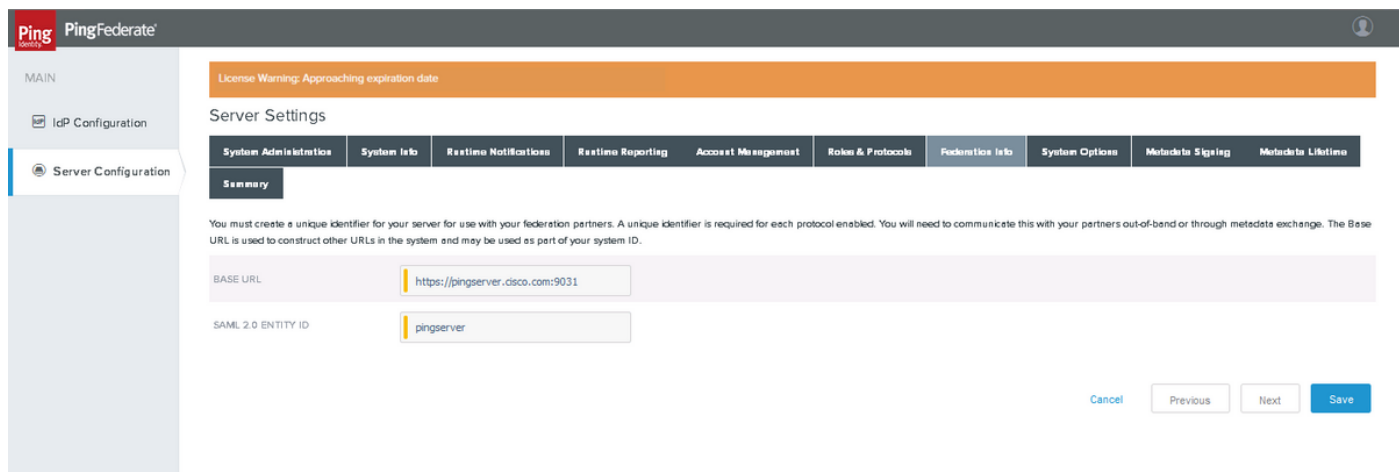
Rollen en protocollen



The screenshot shows the PingFederate web interface. The left sidebar has 'Server Configuration' selected. The main content area is titled 'Server Settings' and has a sub-tab 'Roles & Protocols' selected. A license warning banner is at the top. Below it, there are several tabs: 'System Administration', 'System Info', 'Runtime Notifications', 'Runtime Reporting', 'Account Management', 'Roles & Protocols', and 'Federation Info'. Under 'Roles & Protocols', there are sub-tabs: 'System Options', 'Metadata Signing', 'Metadata Lifetime', and 'Summary'. The 'System Options' sub-tab is active, showing a list of roles and protocols with checkboxes. The 'ENABLE IDENTITY PROVIDER (IDP) ROLE AND SUPPORT THE FOLLOWING:' section is checked, and 'SAML 2.0' is also checked. Other options like 'ENABLE OAUTH 2.0 AUTHORIZATION SERVER (AS) ROLE', 'SAML 1.1', 'SAML 1.0', 'WS-FEDERATION', 'OUTBOUND PROVISIONING', 'WS-TRUST', 'ENABLE SERVICE PROVIDER (SP) ROLE AND SUPPORT THE FOLLOWING:', and 'ENABLE IDP DISCOVERY ROLE (SAML 2.0 ONLY)' are unchecked. At the bottom right, there are buttons for 'Cancel', 'Previous', 'Next', and 'Save'.

Selecteer de juiste rol/rollen en protocol/s. Klik op Next (Volgende).

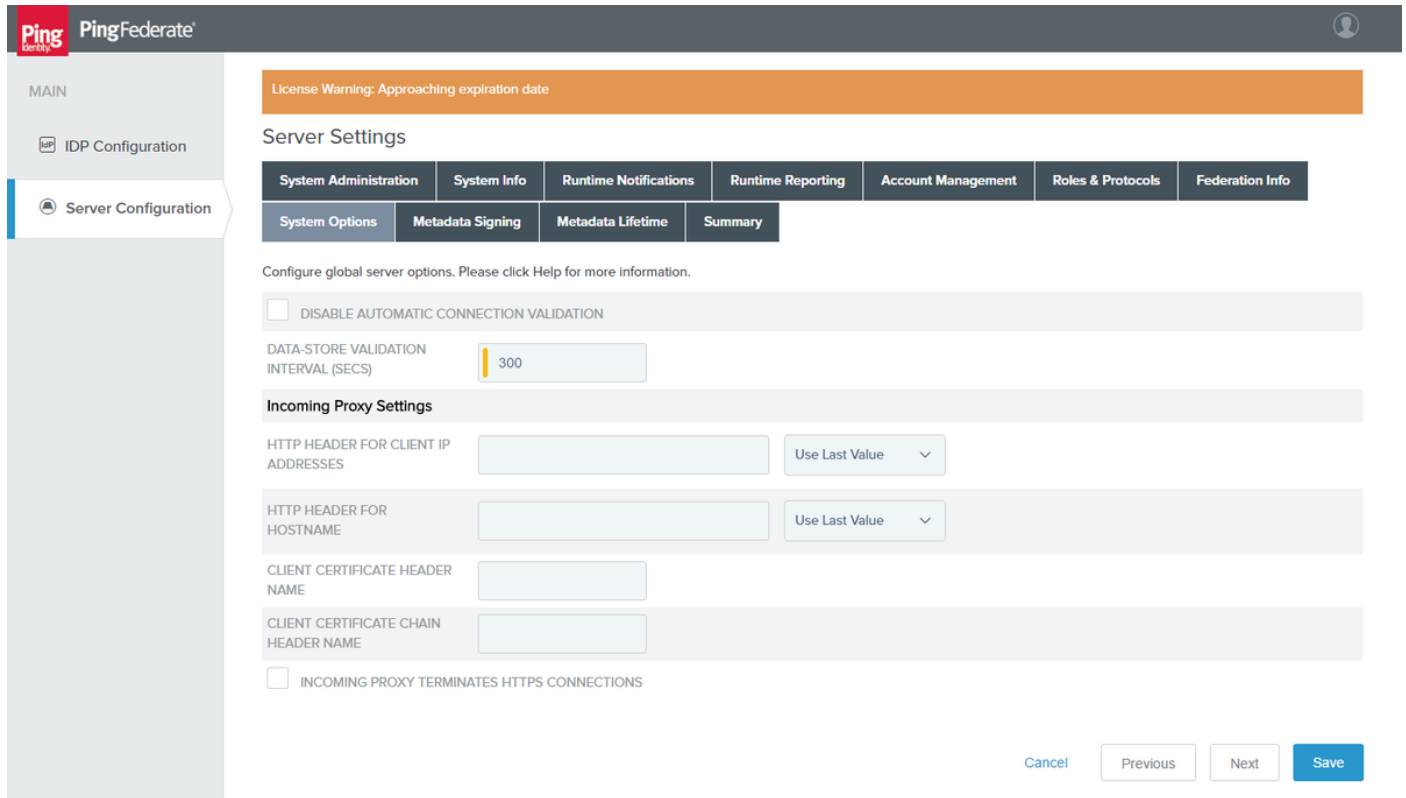
Federatie-informatie



The screenshot shows the PingFederate web interface. The left sidebar has 'Server Configuration' selected. The main content area is titled 'Server Settings' and has a sub-tab 'Federation Info' selected. A license warning banner is at the top. Below it, there are several tabs: 'System Administration', 'System Info', 'Runtime Notifications', 'Runtime Reporting', 'Account Management', 'Roles & Protocols', 'Federation Info', 'System Options', 'Metadata Signing', and 'Metadata Lifetime'. Under 'Federation Info', there is a sub-tab 'Summary' selected. The 'Summary' sub-tab is active, showing a text area for 'BASE URL' with the value 'https://pingserver.cisco.com:9031' and a text input field for 'SAML 2.0 ENTITY ID' with the value 'pingserver'. At the bottom right, there are buttons for 'Cancel', 'Previous', 'Next', and 'Save'.

Klik op Next (Volgende).

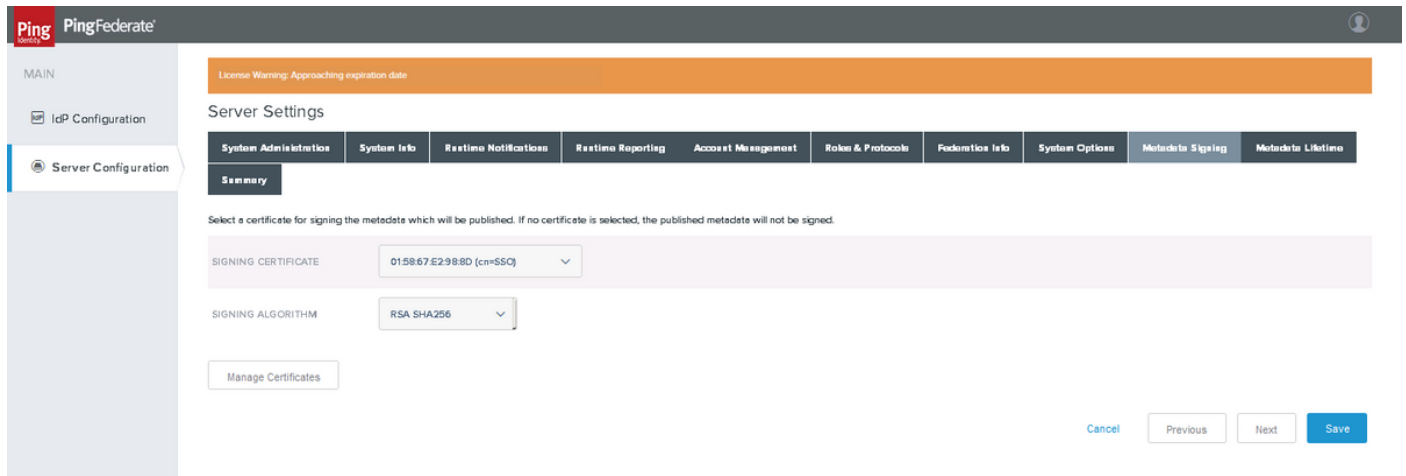
Systemopties



The screenshot shows the PingFederate administration interface. At the top, there is a license warning: "License Warning: Approaching expiration date". The main navigation menu on the left includes "MAIN", "IDP Configuration", and "Server Configuration". The "Server Settings" section is active, with sub-tabs for "System Administration", "System Info", "Runtime Notifications", "Runtime Reporting", "Account Management", "Roles & Protocols", "Federation Info", "System Options", "Metadata Signing", "Metadata Lifetime", and "Summary". The "System Options" tab is selected. Below the tabs, there is a heading "Configure global server options. Please click Help for more information." and a list of settings: "DISABLE AUTOMATIC CONNECTION VALIDATION" (checkbox), "DATA-STORE VALIDATION INTERVAL (SECS)" (input field with value 300), "Incoming Proxy Settings" section with fields for "HTTP HEADER FOR CLIENT IP ADDRESSES", "HTTP HEADER FOR HOSTNAME", "CLIENT CERTIFICATE HEADER NAME", and "CLIENT CERTIFICATE CHAIN HEADER NAME", each with a "Use Last Value" dropdown, and "INCOMING PROXY TERMINATES HTTPS CONNECTIONS" (checkbox). At the bottom right, there are buttons for "Cancel", "Previous", "Next", and "Save".

Klik op Next (Volgende).

Metagegevensondertekening



The screenshot shows the PingFederate administration interface, specifically the "Metadata Signing" tab under "Server Settings". The "Summary" sub-tab is selected. Below the tabs, there is a heading "Select a certificate for signing the metadata which will be published. If no certificate is selected, the published metadata will not be signed." and two dropdown menus: "SIGNING CERTIFICATE" (selected value: 015867E2988D (cn=SSO)) and "SIGNING ALGORITHM" (selected value: RSA SHA256). There is a "Manage Certificates" button below the dropdowns. At the bottom right, there are buttons for "Cancel", "Previous", "Next", and "Save".

Selecteer het ondertekeningscertificaat en het ondertekeningsalgoritme dat eerder is gemaakt als onderdeel van de certificaatconfiguratie. Klik op Next (Volgende).

levensduur van metagegevens

Ping Identity PingFederate

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Server Settings

System Administration System Info Runtime Notifications Runtime Reporting Account Management Roles & Protocols Federation Info

System Options Metadata Signing Metadata Lifetime Summary

Specify validity period for published metadata and refresh delay for automated metadata reloading.

CACHE DURATION (MINUTES) 1440

RELOAD DELAY (MINUTES) 1440

Cancel Previous Next Save

Klik op Next (Volgende).

Samenvatting

Ping Identity PingFederate

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Server Settings

System Administration System Info Runtime Notifications Runtime Reporting Account Management Roles & Protocols Federation Info System Options Metadata Signing

Metadata Lifetime Summary

Server Settings Summary Information

Summary

Server Settings

System Administration

Multiple Administrators true

System Info

Runtime Notifications

Certificate Events false

License Events false

Metadata Events false

Email Notification You must provide a 'From' Address. You must provide an Email Server.

From Address

Email Server

SMTP Port 25

SMTPS Port 465

Connection Timeout 30

Encryption Method None

Enable SMTP Debugging Messages false

Username

Retry Attempt 2

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Controleer de instellingen en klik op Opslaan.

Configuratie Identity Provider (IDp)

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Adapters

Klik op IdP Configuration > APPLICATION INTEGRATION > Adapters

Instance Name	Instance Id	Type	Parent Name	Action
HTML Form IdP Adapter	HtmlFormIdpValidator	HTML Form IdP Adapter		Delete Check Usage

Klik op Nieuwe instantie maken.

Type

Ping Federate

License Warning: Approaching expiration date

Manage IdP Adapter Instances | Create Adapter Instance

Type: **IdP Adapter** | Extended Contract | Adapter Attributes | Adapter Contract Mapping | Summary

Enter an Adapter Instance Name and Id, select the Adapter Type, and a parent if applicable. The Adapter Type is limited to the adapters currently installed on your server.

INSTANCE NAME: HTML Form IdP Adapter

INSTANCE ID: HTMLFormIdPAdapter

TYPE: HTML Form IdP Adapter [Visit Pingidentity.com for additional types](#)

PARENT INSTANCE: None

Cancel Next

Kies IDP-adapter voor HTML-formulier. Klik op Next (Volgende).

IDp-adapter

Ping Federate

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Manage IdP Adapter Instances | Create Adapter Instance

Type: **IdP Adapter** | Extended Contract | Adapter Attributes | Adapter Contract Mapping | Summary

Complete the configuration necessary to look up user security contexts in your environment. This configuration was designed into the adapter for use at your site.

CREDENTIAL VALIDATORS
(A list of Password Credential Validators to be used for authentication.)

PASSWORD CREDENTIAL VALIDATOR INSTANCE Action

[Add a new row to 'Credential Validators'](#)

Field Name	Field Value	Description
CHALLENGE RETRIES	3	Max value of User Challenge Retries.
SESSION STATE	<input type="radio"/> Globally <input checked="" type="radio"/> Per Adapter <input type="radio"/> None	Determines how state is maintained within one adapter or between different adapter instances.
SESSION TIMEOUT	60	Session Idle Timeout (in minutes). If left blank the timeout will be the Session Max Timeout. Ignored if 'None' is selected for Session State.
SESSION MAX TIMEOUT	480	Session Max Timeout (in minutes). Leave blank for indefinite sessions. Ignored if 'None' is selected for Session State.
ALLOW PASSWORD CHANGES	<input type="checkbox"/>	Allows users to change their password using this adapter.
PASSWORD MANAGEMENT SYSTEM		A fully-qualified URL to your password management system where users can change their password. If left blank, password changes are handled by this adapter.
ENABLE 'REMEMBER MY USERNAME'	<input type="checkbox"/>	Allows users to store their username as a cookie when authenticating with this adapter. Once stored, the username is pre-populated in the login form's username field on subsequent transactions.
CHANGE PASSWORD EMAIL NOTIFICATION	<input type="checkbox"/>	Sends users an email notification upon a password change. This feature relies on the underlying PCV returning 'mail' and 'givenName' attributes containing the user's first name and e-mail address. Additionally, mail settings should be configured within Server Settings.

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Klik op Een nieuwe rij toevoegen aan 'Credential Validators' en selecteer de LDAP Validator die eerder is gemaakt als WACHTWOORD CREDENTIAL VALIDATOR INSTANCE en klik op Bijwerken. Klik op Next (Volgende).

verlengd contract

Ping Federate

License Warning: Approaching expiration date

Manage IdP Adapter Instances | Create Adapter Instance

Type | IdP Adapter | Extended Contract | Adapter Attributes | Adapter Contract Mapping | Summary

This adapter type supports the creation of an Extended Adapter Contract after initial deployment of the adapter instance. This Adapter Contract may be used to fulfill the Attribute Contract, look up additional attributes from a local data store, or create a persistent name identifier which uniquely identifies the user passed to your SP partners.

Core Contract

username

Extend the Contract **Action**

email	Edit Delete
firstname	Edit Delete
lastname	Edit Delete
uid	Edit Delete
updateTimestamp	Edit Delete
user_principal	Edit Delete

Voeg de contracten toe zoals getoond. Klik op Next (Volgende).

Adapterkenmerken

Ping Federate

License Warning: Approaching expiration date

Manage IdP Adapter Instances | Create Adapter Instance

Type | IdP Adapter | Extended Contract | Adapter Attributes | Adapter Contract Mapping | Summary

As an IdP, some of your SP partners may choose to receive a pseudonym to uniquely identify a user. From the attributes in this authentication adapter, please select the values that you would like to use in constructing this unique identifier. Optionally, specify here any attributes that must be masked in log files.

Attribute	Pseudonym	Mask Log Values
email	<input checked="" type="checkbox"/>	<input type="checkbox"/>
firstname	<input checked="" type="checkbox"/>	<input type="checkbox"/>
lastname	<input checked="" type="checkbox"/>	<input type="checkbox"/>
uid	<input checked="" type="checkbox"/>	<input type="checkbox"/>
updateTimestamp	<input checked="" type="checkbox"/>	<input type="checkbox"/>
user_principal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
username	<input checked="" type="checkbox"/>	<input type="checkbox"/>

MASK ALL OGNL-EXPRESSION GENERATED LOG VALUES

Klik op Next (Volgende).

Toewijzing van adaptercontracten

The screenshot shows the 'Configure Adapter Contract' step in the PingFederate interface. The breadcrumb trail is 'Manage IdP Adapter Instances | Create Adapter Instance'. The current step is 'Adapter Contract Mapping', with other steps being 'Type', 'IdP Adapter', 'Extended Contract', 'Adapter Attributes', and 'Summary'. A license warning banner is at the top. Below the breadcrumb, there is explanatory text: 'An Adapter Contract may be used to fulfill the Attribute Contract passed to your SP partners. By default, the adapter contract is fulfilled by the adapter itself. Optionally, additional attributes from local data stores can be used to fulfill the contract.' A red box highlights the 'Configure Adapter Contract' button. At the bottom right, there are 'Cancel', 'Previous', 'Next', and 'Done' buttons.

Klik op Adaptercontract configureren.

Attribuutbronnen en opzoeken door gebruiker

The screenshot shows the 'Adapter Contract Mapping' step in the PingFederate interface. The breadcrumb trail is 'Manage IdP Adapter Instances | Create Adapter Instance | Adapter Contract Mapping'. The current step is 'Adapter Contract Fulfillment', with other steps being 'Attribute Sources & User Lookup', 'Issuance Criteria', and 'Summary'. A license warning banner is at the top. Below the breadcrumb, there is explanatory text: 'You can choose to fulfill the Adapter Contract with the adapter's default values, or you can use these values plus additional attributes retrieved from local data stores.' Below this text is a table with the following data:

Description	Type	Action
LdapQA	LDAP	Delete

Below the table is an 'Add Attribute Source' button. At the bottom right, there are 'Cancel', 'Next', and 'Done' buttons.

Voeg een attribuutbron toe en selecteer de eerder gemaakte LDAP Store. Klik op Next (Volgende).

Voltooiing adaptercontract

PingFederate

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Manage IdP Adapter Instances | Create Adapter Instance | Adapter Contract Mapping

Attribute Sources & User Lookup | Adapter Contract Fulfillment | Issuance Criteria | Summary

Fulfill your Adapter Contract with values from the authentication adapter or with dynamic text values.

Contract	Source	Value	Actions
email	LDAP (LdapQA)	mail	None available
firstname	LDAP (LdapQA)	givenName	None available
lastname	LDAP (LdapQA)	sn	None available
uid	LDAP (LdapQA)	sAMAccountName	None available
updateTimestamp	LDAP (LdapQA)	whenChanged	None available
user_principal	LDAP (LdapQA)	userPrincipalName	None available
username	LDAP (LdapQA)	sAMAccountName	None available

Cancel Previous Next Done

De attributen toewijzen. Klik op Next (Volgende).

Uitgiftecriteria

PingFederate

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Manage IdP Adapter Instances | Create Adapter Instance | Adapter Contract Mapping

Attribute Sources & User Lookup | Adapter Contract Fulfillment | Issuance Criteria | Summary

PingFederate can evaluate various criteria to determine whether users are authorized to access SP resources. Use this optional screen to configure the criteria for use with this conditional authorization.

Source	Attribute Name	Condition	Value	Error Result	Action
- SELECT -	- SELECT -	- SELECT -			Add

Cancel Previous Next Done

Klik op Next (Volgende).

Samenvatting

LDAP Directory Search

Base DN	cn=users,dc=cisco,dc=com
Search scope	SUBTREE_SCOPE
Attribute	Subject DN
Attribute	givenName
Attribute	mail
Attribute	sAMAccountName
Attribute	sn
Attribute	userPrincipalName
Attribute	whenChanged

LDAP Filter

Filter	sAMAccountName=\${username}
--------	-----------------------------

Adapter Contract Fulfillment

uid	sAMAccountName (LDAP)
firstname	givenName (LDAP)
updateTimestamp	whenChanged (LDAP)
user_principal	userPrincipalName (LDAP)
email	mail (LDAP)
lastname	sn (LDAP)
username	sAMAccountName (LDAP)

Issuance Criteria

Criterion	(None)
-----------	--------

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Cancel Previous Done

Controleer de instellingen en klik op Gereed.

SP-verbindingen

Nieuwe SP-verbindingen maken

Type verbinding

License Warning: Approaching expiration date

SP Connection

CONNECTION TYPE: No Template

BROWSER SSO PROFILES PROTOCOL: SAML 2.0

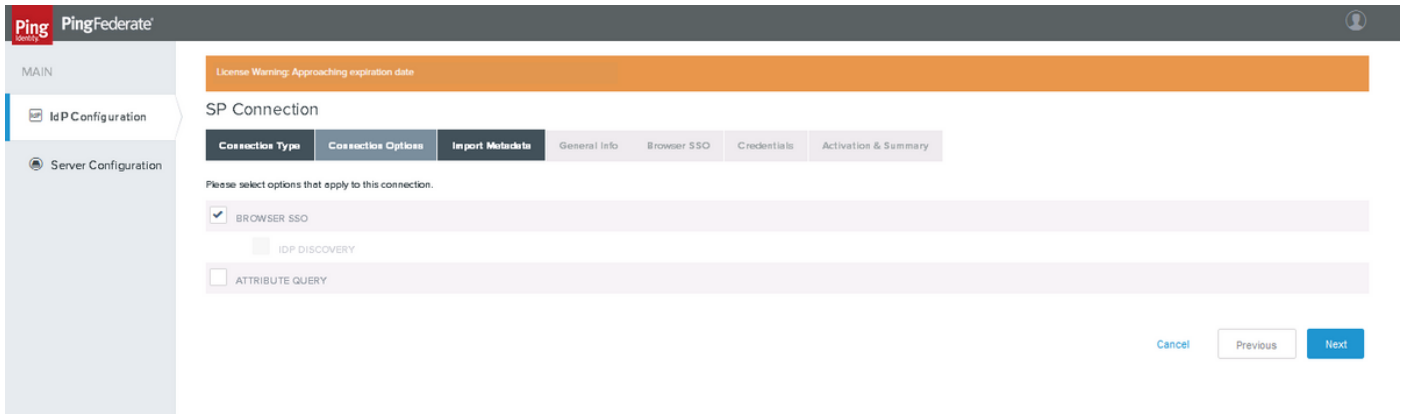
WS-TRUST STS

OUTBOUND PROVISIONING

Cancel Next

Klik op Next (Volgende).

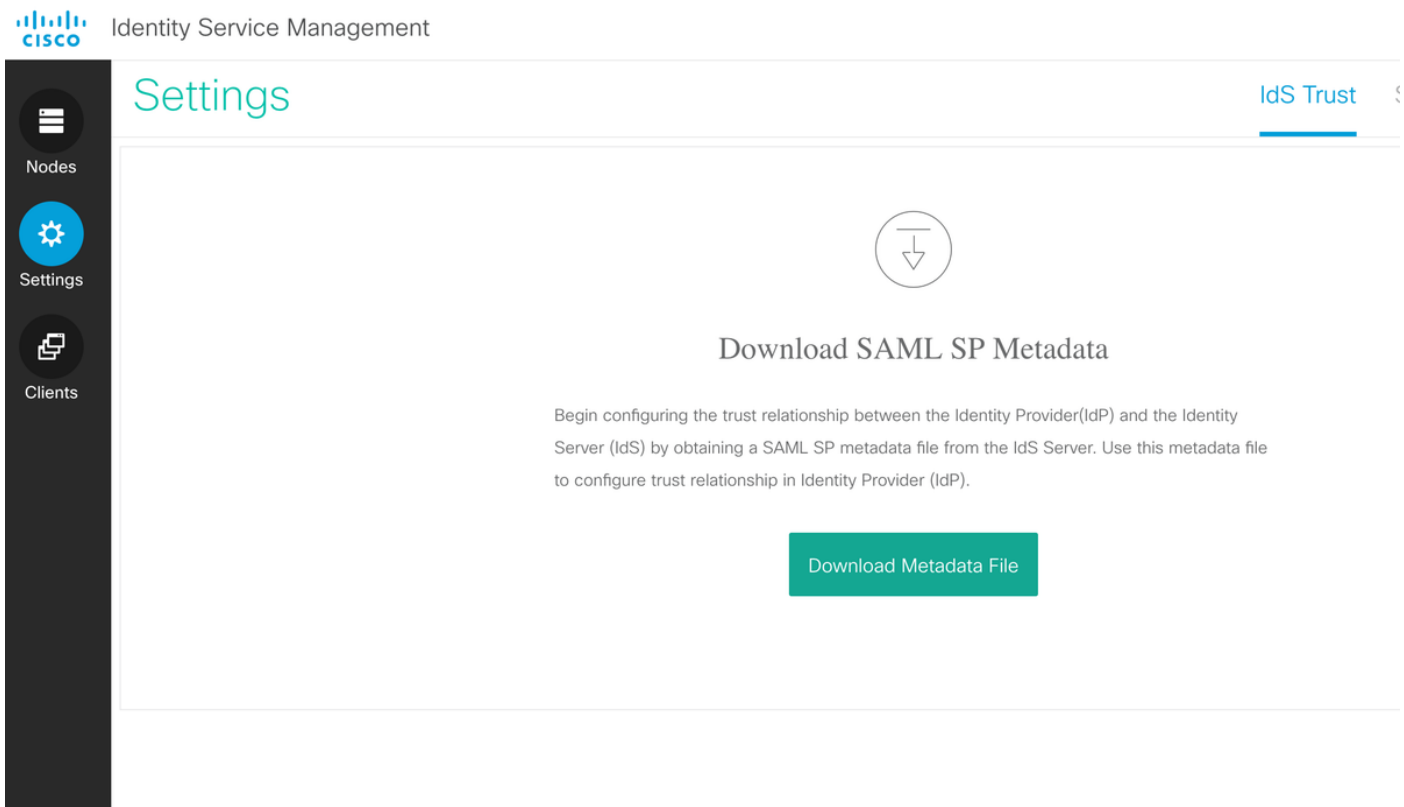
Verbindingsopties



Klik op Volgende

Metagegevens importeren

Het metagegevensbestand van de Serviceverlener downloaden via Cisco Identity Service Admin > Instellingen > IdS Trust > Metagegevens downloaden



Upload het XML-bestand met metagegevens van de serviceprovider naar PingFederate.

Ping Federate

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SP Connection

Connection Type | **Connection Options** | Import Metadata | General Info | Browser SSO | Credentials | Activation & Summary

To populate many connection settings automatically, you can upload the partner's metadata file, or specify a URL where PingFederate can download it. To periodically reload the connection settings from the URL, select Enable Automatic Reloading.

METADATA NONE FILE URL

sp.xml

Kies het gedownloade XML-bestand en klik op Volgende

Metagegevensoverzicht

Ping Federate

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SP Connection

Connection Type | Connection Options | **Import Metadata** | **Metadata Summary** | General Info | Browser SSO | Credentials | Activation & Summary

Use the information below to evaluate the authenticity of the imported metadata.

Entity Id	UCCX-SA1.cisco.com
Metadata Signature Status	unsigned

Klik op Volgende

Algemene informatie

Ping Federate

SP Connection

Connection Type | Connection Options | Import Metadata | **Metadata Summary** | **General Info** | Browser SSO | Credentials | Activation & Summary

This information identifies your partner's unique connection identifier (Connection ID). Connection Name represents the plain-language identifier for this connection. Optionally, you can specify multiple virtual server IDs for your own server to use when communicating with this partner. If set, these virtual server IDs will be used in place of the unique protocol identifier configured for your server in Server Settings. The Base URL may be used to simplify configuration of partner endpoints.

PARTNER'S ENTITY ID (CONNECTION ID)

CONNECTION NAME

VIRTUAL SERVER IDS

BASE URL

COMPANY

CONTACT NAME

CONTACT NUMBER

CONTACT EMAIL

APPLICATION NAME

APPLICATION ICON URL

LOGGING MODE NONE STANDARD ENHANCED FULL

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Klik op Volgende

Browser-SSO

The screenshot shows the PingFederate interface for configuring Browser SSO. At the top, there is a 'License Warning: Approaching expiration date' banner. Below it, the page title is 'SP Connection'. A navigation bar contains tabs: 'Connection Type', 'Connection Options', 'Import Metadata', 'Metadata Summary', 'General Info', 'Browser SSO' (selected), 'Credentials', and 'Activation & Summary'. A descriptive text states: 'This task provides connection-endpoint and other configuration information enabling secure browser-based SSO, to resources at your partner's site. Click the button below to create or revise this configuration.' Below this is a 'BROWSER SSO CONFIGURATION' section with a 'Configure Browser SSO' button. At the bottom right, there are 'Cancel', 'Save Draft', 'Previous', and 'Next' buttons.

Klik op Browser-SSO configureren

Security Assertion Markup Language (SAML)-profielen

The screenshot shows the 'SAML Profiles' tab within the 'SP Connection | Browser SSO' configuration. It includes a 'License Warning: Approaching expiration date' banner. The navigation bar has tabs: 'SAML Profiles' (selected), 'Assertion Lifetime', 'Assertion Creation', 'Protocol Settings', and 'Summary'. A descriptive text states: 'A SAML Profile defines what kind of messages may be exchanged between an Identity Provider and a Service Provider, and how the messages are transported (bindings). As an IdP, you configure this information for your SP connection.' Below this are two sections: 'Single Sign-On (SSO) Profiles' and 'Single Logout (SLO) Profiles'. Under SSO, 'IDP-INITIATED SSO' and 'SP-INITIATED SSO' are both checked. Under SLO, 'IDP-INITIATED SLO' and 'SP-INITIATED SLO' are unchecked. At the bottom right, there are 'Cancel', 'Save Draft', and 'Next' buttons.

Klik op Volgende

Opmerking: Single Logout (SLO) wordt niet ondersteund door Cisco Identity Service (IdS) in 11.6 en is niet geselecteerd.

Levensduur van bewering

The screenshot shows the 'Assertion Lifetime' tab within the 'SP Connection | Browser SSO' configuration. It includes a 'License Warning: Approaching expiration date' banner. The navigation bar has tabs: 'SAML Profiles', 'Assertion Lifetime' (selected), 'Assertion Creation', 'Protocol Settings', and 'Summary'. A descriptive text states: 'When an assertion is issued to the SP, there is a timeframe of validity before and after issuance. Please specify these parameters below.' Below this are two input fields: 'MINUTES BEFORE' with a value of '5' and 'MINUTES AFTER' with a value of '5'. At the bottom right, there are 'Cancel', 'Previous', 'Next', 'Done', and 'Save' buttons.

Klik op Volgende

Bewering maken

The screenshot shows the 'Assertion Creation' configuration page in PingFederate. The page title is 'SP Connection | Browser SSO'. There is a navigation menu on the left with 'IDP Configuration' and 'Server Configuration'. The main content area has a breadcrumb 'SP Connection | Browser SSO' and a sub-menu with 'SAML Profiles', 'Assertion Lifetime', 'Assertion Creation' (selected), 'Protocol Settings', and 'Summary'. Below the sub-menu is a description: 'This task provides the configuration for creating SAML assertions to enable SSO access to resources at your SP partner's site.' The 'Assertion Configuration' section contains a table with the following data:

IDENTITY MAPPING	Standard
ATTRIBUTE CONTRACT	SAML_SUBJECT, email, firstname, lastname, uid, updateTimestamp
ADAPTER INSTANCES	1
AUTHENTICATION POLICY MAPPINGS	0

Below the table is a button labeled 'Configure Assertion Creation' which is highlighted with a red box. At the bottom right, there are buttons for 'Cancel', 'Previous', 'Next', 'Done', and 'Save'.

Klik op Aanmaken van bevestiging configureren

identiteitskaart

The screenshot shows the 'Identity Mapping' configuration page in PingFederate. The page title is 'SP Connection | Browser SSO | Assertion Creation'. There is a navigation menu on the left with 'IDP Configuration' and 'Server Configuration'. The main content area has a breadcrumb 'SP Connection | Browser SSO | Assertion Creation' and a sub-menu with 'Identity Mapping' (selected), 'Attribute Contract', 'Authentication Source Mapping', and 'Summary'. Below the sub-menu is a description: 'Identity mapping is the process in which users authenticated by the IdP are associated with user accounts local to the SP. Select the type of name identifier that you will send to the SP. Your selection may affect the way that the SP will look up and associate the user to a specific local account.' There are three radio button options:

- STANDARD: Send the SP a known attribute value as the name identifier. The SP will often use account mapping to identify the user locally.
- PSEUDONYM: Send the SP a unique, opaque name identifier that preserves user privacy. The identifier cannot be traced back to the user's identity at this IdP and may be used by the SP to make a persistent association between the user and a specific local account. The SP will often use account linking to identify the user locally. Below this option are two checkboxes: 'INCLUDE ATTRIBUTES IN ADDITION TO THE PSEUDONYM.' and 'INCLUDE ATTRIBUTES IN ADDITION TO THE TRANSIENT IDENTIFIER.'
- TRANSIENT: Send the SP an opaque, temporary value as the name identifier. Below this option is a checkbox: 'INCLUDE ATTRIBUTES IN ADDITION TO THE TRANSIENT IDENTIFIER.'

At the bottom right, there are buttons for 'Cancel', 'Next', 'Done', and 'Save'.

Klik op Volgende

Attribuutcontract

← → ↻ ⚠ Not Secure https://pingserver.cisco.com:9999/pingfederate/app ☆ 📄 🗄

Ping PingFederate

MAIN

- IdP Configuration
- Server Configuration

License Warning: Approaching expiration date

SP Connection | Browser SSO | Assertion Creation

Identity Mapping | **Attribute Contract** | Authentication Source Mapping | Summary

An Attribute Contract is a set of user attributes that this server will send in the assertion.

Attribute Contract	Subject Name Format
SAML_SUBJECT	urn:oasis:names:tc:SAML:2.0:nameid-format:transient

Extend the Contract	Attribute Name Format	Action
SAML_AUTHN_CTX	urn:oasis:names:tc:SAML:2.0:attrname-format:basic	Edit Delete
SAML_NAME_FORMAT	urn:oasis:names:tc:SAML:2.0:attrname-format:basic	Edit Delete
uid	urn:oasis:names:tc:SAML:2.0:attrname-format:uri	Edit Delete
user_principal	urn:oasis:names:tc:SAML:2.0:attrname-format:uri	Edit Delete

urn:oasis:names:tc:SAML:2.0:attrname-format:basic

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Waarschuwing: Deze attributen zijn verplicht voor de interoperabiliteit van Cisco Identity Service (IdS) met PingFederate.

Attribuutcontract	Doel
SAML_SUBJECT	Gebruikt door het zoekfilter PingFederate om te controleren of de toegewezen waarde wordt gehaald
SAML_AUTHN_CTX	Gebruikt in de SAML-reactie om de authenticatie-inhoud van 'PasswordProtectedTransport' aan te geven
SAML_NAME_FORMAT	Gebruikt in de SAML-respons om het SAML 2.0 transient name-id-formaat aan te geven
UID	Gebruikt door Cisco IdS om de geverifieerde gebruiker te identificeren
user_principal	Gebruikt door Cisco IdS om de volledige naam (d.w.z. id + domein) van de geverifieerde gebruiker te identificeren

De beheerder kan alternatieven voor de naamindeling aanpassen via het configuratiebestand custom-name-formats.xml in deze directory:
 <pf_install>/pingfederate/server/default/data/config-store.

Om SSO met transient te kunnen gebruiken als de naam-id, voegt u het item xml toe onder de sectie saml2-subject-name-formats: <con:item name="urn:oasis:names:tc:SAML:2.0:nameid-format:transient">urn:oasis:names:tc:SAML:2.0:nameid-format:transient</con:item>

Klik op Volgende

brontoewijzing voor verificatie

Ping Federate

License Warning: Approaching expiration date

SP Connection | Browser SSO | Assertion Creation

Identify Mapping | **Attribute Contract** | Authentication Source Mapping | Summary

PingFederate uses IdP adapters, partner IdPs or Authentication Policies to authenticate users to your SP. Users may be authenticated by one of several different adapters or authentication policy contracts, so map an adapter instance for each IDM system or an authentication policy contract for each policy.

Adapter Instance Name	Virtual Server IDs	Action

Authentication Policy Contract Name	Virtual Server IDs	Action

Map New Adapter Instance Map New Authentication Policy

Cancel Save Draft Previous Next

Klik op Nieuwe adapterinstantie toewijzen

Ping Federate

License Warning: Approaching expiration date

SP Connection | Browser SSO | Assertion Creation | **IdP Adapter Mapping**

Adapter Instance | Mapping Method | Attribute Contract Fulfillment | Issuance Criteria | Summary

Select an IdP adapter instance that may be used to authenticate users for this partner. Attributes returned by the adapter instance you choose (the Adapter Contract) may be used to fulfill the Attribute Contract with your partner.

ADAPTER INSTANCE: HTML Form IdP Adapter

Adapter Contract

email

firstname

lastname

uid

updateTimestamp

user_principal

username

OVERRIDE INSTANCE SETTINGS

Manage Adapter Instances

Cancel Save Draft Next

Geef de eerder gemaakte HTML Form IdP Adapter een kaart. Klik op Volgende methode voor het in kaart brengen

Ping Federate

License Warning: Approaching expiration date

SP Connection | Browser SSO | Assertion Creation | **IdP Adapter Mapping**

Adapter Instance | **Mapping Method** | Attribute Contract Fulfillment | Issuance Criteria | Summary

You can choose to fulfill the Attribute Contract with your partner using either the values provided by the "HTML Form IdP Adapter" adapter, or you can use these values plus additional attributes retrieved from local data stores.

Adapter Contract

email

firstname

lastname

uid

updateTimestamp

user_principal

username

RETRIEVE ADDITIONAL ATTRIBUTES FROM MULTIPLE DATA STORES USING ONE MAPPING
 RETRIEVE ADDITIONAL ATTRIBUTES FROM A DATA STORE – INCLUDES OPTIONS TO USE ALTERNATE DATA STORES AND/OR A FAILSAFE MAPPING
 USE ONLY THE ADAPTER CONTRACT VALUES IN THE SAML ASSERTION

Cancel Previous Next Done Save

Klik op Volgende

Voltooiing van attributencontract

License Warning: Approaching expiration date

SP Connection | Browser SSO | Assertion Creation | IdP Adapter Mapping

Adapter Instance | Mapping Method | Attribute Contract Fulfillment | Issuance Criteria | Summary

Fulfill your Attribute Contract with values from the authentication adapter or with dynamic text values.

Attribute Contract	Source	Value	Actions
SAML_AUTHN_CTX	Text	urn:oasis:names:tc:SAI	None available
SAML_NAME_FORMAT	Text	urn:oasis:names:tc:SAI	None available
SAML_SUBJECT	Adapter	username	None available
uid	Adapter	uid	None available
user_principal	Adapter	user_principal	None available

Cancel Previous Next Done Save

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Zorg ervoor dat de waarden zijn ingesteld op

Attribuutcontract	bron	Waarde
SAML_SUBJECT	adapter	username Zeer belangrijke opmerking: de waarde die voor deze instelling wordt gebruikt, moet overeenkomen met de waarde die wordt gebruikt in de LDAP-filterinstelling (paragraaf 3.1.3.2). Instantieconfiguratie) Opmerking: 'gebruikersnaam' wordt hier gebruikt omdat het filter dat daar werd gebruikt sAMAaccountName=\${gebruikersnaam} was
SAML_AUTHN_CTX	tekst	urn: oasis:names:tc:SAML:2.0:ac:classes>PasswordProtectedTransport
SAML_NAME_FORMAT	tekst	urn: oasis: namen: tc: SAML:2.0: nameid-format: transient
UID	adapter	UID
user_principal	adapter	user_principal

Klik op Volgende

Uitgiftecriteria

The screenshot shows the 'Uitgiftecriteria' (Issuance Criteria) configuration page in PingFederate. The page has a dark header with the PingFederate logo and a user profile icon. Below the header is a navigation sidebar with 'MAIN', 'IdP Configuration', and 'Server Configuration'. The main content area has a breadcrumb trail: 'SP Connection | Browser SSO | Assertion Creation | IdP Adapter Mapping'. There are five tabs: 'Adapter Instance', 'Mapping Method', 'Attribute Contract Fulfillment', 'Issuance Criteria' (which is active), and 'Summary'. A license warning banner is at the top. Below the tabs, there is a text block explaining that PingFederate can evaluate various criteria to determine user authorization. A table with columns 'Source', 'Attribute Name', 'Condition', 'Value', 'Error Result', and 'Action' is present. The 'Source' and 'Attribute Name' columns have dropdown menus currently set to '- SELECT -'. The 'Condition' column also has a dropdown menu set to '- SELECT -'. The 'Value' and 'Error Result' columns are empty text boxes. An 'Add' button is to the right of the 'Error Result' column. At the bottom right, there are buttons for 'Cancel', 'Previous', 'Next', 'Done', and 'Save'.

Samenvatting

The screenshot shows the 'Samenvatting' (Summary) configuration page in PingFederate. The layout is similar to the previous screenshot, with the same header, sidebar, and breadcrumb trail. The 'Summary' tab is active. Below the tabs, there is a text block: 'Click a heading link to edit a configuration setting.' The configuration is organized into sections: 'Adapter Instance' (Selected adapter: HTML Form IdP Adapter 1), 'Mapping Method' (Adapter: HTML Form IdP Adapter; Mapping Method: Use only the Adapter Contract values in the mapping), 'Attribute Contract Fulfillment' (uid: uid (Adapter); SAML_AUTHN_CTX: urn:oasis:names:tc:SAML:2.0:ac:classes>PasswordProtectedTransport (Text); user_principal: user_principal (Adapter); SAML_SUBJECT: username (Adapter); SAML_NAME_FORMAT: urn:oasis:names:tc:SAML:2.0:nameid-format:transient (Text)), and 'Issuance Criteria' (Criterion: (None)). At the bottom right, there are buttons for 'Cancel', 'Previous', 'Done', and 'Save'. In the bottom left corner, there is a copyright notice: 'Copyright © 2003-2016 Ping Identity Corporation. All rights reserved. Version 8.2.2.0'.

Controleer de instellingen en klik op Gereed

Protocolinstellingen

Klik op Protocolinstellingen configureren

Bewering Consumer Service URL

Voeg POST-bindend SSO-eindpunt toe. Klik op Volgende

Toegestane SAML-bindingen

Klik op Volgende

handtekeningenbeleid

The screenshot shows the PingFederate configuration interface. At the top, there is a 'License Warning: Approaching expiration date' banner. Below it, the page title is 'SP Connection | Browser SSO | Protocol Settings'. A navigation bar contains tabs for 'Assertion Consumer Service URL', 'Allowable SAML Bindings', 'Signature Policy', 'Encryption Policy', and 'Summary'. The 'Signature Policy' tab is active. The main content area contains the text: 'Additional guarantees of authenticity may be agreed upon between you and your partner. For SP-initiated SSO, you can choose to require signed authentication requests sent via the POST or redirect bindings. You can also choose to sign assertions sent to this partner, regardless of the binding used.' There are two checkboxes: the first is checked and labeled 'REQUIRE AUTHN REQUESTS TO BE SIGNED WHEN RECEIVED VIA THE POST OR REDIRECT BINDINGS', and the second is unchecked and labeled 'ALWAYS SIGN THE SAML ASSERTION'. At the bottom right, there are buttons for 'Cancel', 'Previous', 'Next', 'Done', and 'Save'.

Opmerking: Cisco IdS garandeert dat het SAML-bericht wordt ondertekend en selecteert daarom niet 'ALTIJD DE SAML-BEWERING ONDERTEKENEN'. Dit komt omdat PingFederate ofwel 'SAML-bevestiging' of 'SAML-reactie' zou ondertekenen, maar niet beide.

Klik op Volgende

Coderingsbeleid

The screenshot shows the PingFederate configuration interface. At the top, there is a 'License Warning: Approaching expiration date' banner. Below it, the page title is 'SP Connection | Browser SSO | Protocol Settings'. A navigation bar contains tabs for 'Assertion Consumer Service URL', 'Allowable SAML Bindings', 'Signature Policy', 'Encryption Policy', and 'Summary'. The 'Encryption Policy' tab is active. The main content area contains the text: 'Additional guarantees of privacy may be used between you and your partner. Specify an encryption policy for the exchange of SAML messages.' There are three radio button options: 'NONE' (selected), 'THE ENTIRE ASSERTION', and 'ONE OR MORE ATTRIBUTES'. Below these are five checkboxes for attribute selection: 'SAML_SUBJECT', 'SAML_NAME_FORMAT', 'UID', and 'USER_PRINCIPAL'. At the bottom right, there are buttons for 'Cancel', 'Previous', 'Next', 'Done', and 'Save'.

Opmerking: Cisco IdS ondersteunt geen gecodeerde SAML-stroom en kiest daarom 'GEEN' voor de instelling 'Coderingsbeleid'.

Klik op Volgende

Samenvatting

Ping Federate

License Warning: Approaching expiration date

SP Connection | Browser SSO | Protocol Settings

Assertion Consumer Service URL | Allowable SAML Bindings | Signature Policy | Encryption Policy | Summary

Summary information for your Protocol Settings configuration. Click a heading link to edit a configuration setting.

Protocol Settings

Assertion Consumer Service URL

Endpoint	URL: /ids/saml/response (POST)
----------	--------------------------------

Allowable SAML Bindings

Artifact	false
POST	true
Redirect	true
SOAP	false

Signature Policy

Require digitally signed AuthN requests	true
Always sign the SAML Assertion	false

Encryption Policy

Status	Inactive
--------	----------

Cancel Previous Done Save

Controleer de instellingen en klik op Gereed

geloofsbrieven

Ping Federate

License Warning: Approaching expiration date

SP Connection

Connection Type | Connection Options | Metadata URL | General Info | Browser SSO | Credentials | Activation & Summary

For each credential shown here, configure the necessary settings.

Credential Requirement

DIGITAL SIGNATURE	CN=SSO
SIGNATURE VERIFICATION SETTINGS	Unanchored Certificate (Primary CN=UCCX-SA1.cisco.com, Secondary Not Configured)

Configure Credentials

Cancel Previous Next Save

Klik op Inloggegevens configureren

Instellingen voor digitale handtekeningen

License Warning: Approaching expiration date

SP Connection | Credentials

Digital Signature Settings | Signature Verification Settings | Summary

You may need to digitally sign SAML messages or security tokens to protect against tampering. Please select a key/certificate to use from the list below.

SIGNING CERTIFICATE: 02:1E:14:B4 (cn=pingserver.cisco.com) ▼

INCLUDE THE CERTIFICATE IN THE SIGNATURE <KEYINFO> ELEMENT.

INCLUDE THE RAW KEY IN THE SIGNATURE <KEYVALUE> ELEMENT.

SIGNING ALGORITHM: RSA SHA1 ▼

Manage Certificates

Cancel Next Done Save

Selecteer EERDER AANGEMAAKTE ONDERTEKENINGSCERTIFICAAT. Als dat niet het geval is, kunt u klikken op Certificaten beheren om een certificaat te maken.

Opmerking: Cisco IdS ondersteunt geen RSA SHA256 voor SAML-responssignatuur en daarom wordt 'RSA SHA1' gebruikt.

Klik op Volgende

Instellingen voor handtekeningverificatie

License Warning: Approaching expiration date

SP Connection | Credentials

Back-Channel Authentication | **Digital Signature Settings** | Signature Verification Settings | Summary

Incoming SAML messages or security tokens may be digitally signed. This configuration task provides options for verifying signatures.

Manage Signature Verification Settings

Cancel Previous Next Done Save

Klik op Instellingen voor handtekeningverificatie beheren

vertrouwensmodel

License Warning: Approaching expiration date

SP Connection | Credentials | Signature Verification

Trust Model | **Signature Verification Certificate** | Summary

Select the Trust Model to be used for verifying digital signatures received from this partner.

ANCHORED The verification certificate must be signed by a Trusted CA and included in the incoming message.

UNANCHORED The verification certificate is self-signed, or you wish to trust a specific certificate.

Cancel Next Done Save

Klik op Volgende

certificaat van verificatie van de handtekening

License Warning: Approaching expiration date

SP Connection | Credentials | Signature Verification

Trust Model | **Signature Verification Certificate** | Summary

Please select the certificate(s) to use when verifying these digital signatures. When multiple certificates are chosen, each certificate is tried from the top of the list down until the signature is verified.

PRIMARY: 2A7B5D5B (cn=UCCK-SA1.cisco.com)

SECONDARY: - SELECT -

Manage Certificates

Cancel Previous Next Done Save

Klik op Certificaten beheren om certificaten van SP te importeren.

License Warning: Approaching expiration date

SP Connection | Credentials | Signature Verification | Certificate Management

Manage Digital Verification Certificates

Use this screen to manage the certificates PingFederate needs to verify digital signatures from connection partners or other sources. These certificates may also be used for encryption.

Serial	Subject DN	Expires	Key Details	Status	Active	Action
2A7B5D5B	CN=UCCK-SA1.cisco.com	Sun Nov 24 17:03:42 IST 2019	RSA 2048	Valid	<input checked="" type="checkbox"/>	Activate - Certificate already active Export Delete - Certificate in use

Import

Cancel Done

Klik op Import om een certificaat te importeren.

Samenvatting

The screenshot shows the PingFederate interface. At the top, there is a 'License Warning: Approaching expiration date' banner. The main navigation on the left includes 'MAIN', 'IdP Configuration', and 'Server Configuration'. The current page is 'SP Connection | Credentials | Signature Verification'. Below the navigation, there are three tabs: 'Trust Model', 'Signature Verification Certificate', and 'Summary'. The 'Summary' tab is active, displaying the following configuration details:

Signature Verification	
Trust Model	
Trust Model	Unanchored
Signature Verification Certificate	
Selected Certificate	CN=UCCX-SA1.cisco.com

At the bottom right, there are four buttons: 'Cancel', 'Previous', 'Done', and 'Save'.

Klik op Gereed

Samenvatting

The screenshot shows the PingFederate interface for the 'Credentials' configuration page. It features the same navigation and license warning as the previous screenshot. The main navigation on the left includes 'MAIN', 'IdP Configuration', and 'Server Configuration'. The current page is 'SP Connection | Credentials'. Below the navigation, there are three tabs: 'Digital Signature Settings', 'Signature Verification Settings', and 'Summary'. The 'Summary' tab is active, displaying the following configuration details:

Credentials	
Digital Signature Settings	
Selected Certificate	CN=SSO, OU=CBABU, O=CISCO, L=Bangalore, ST=Karnataka, C=IN
Include Certificate in KeyInfo	true
Include Raw Key in KeyValue	true
Selected Signing Algorithm	RSA SHA256
Signature Verification	
Trust Model	
Trust Model	Unanchored
Signature Verification Certificate	
Selected Certificate	CN=UCCX-SA1.cisco.com

At the bottom right, there are four buttons: 'Cancel', 'Previous', 'Done', and 'Save'.

Controleer het overzicht en klik op Gereed

Activering en overzicht

SP Connection

Connection Type	Connection Options	Metadata URL	General Info	Browser SSO	Credentials	Activation & Summary
-----------------	--------------------	--------------	--------------	-------------	-------------	----------------------

Summary information for your SP connection. Click a heading in a section to edit a particular configuration setting.

Connection Status	<input checked="" type="radio"/> ACTIVE <input type="radio"/> INACTIVE
SSO Application Endpoint	https://pingserver.cisco.com:9031/idp/startSSO.ping?PartnerSpId=UCCX-SA1.cisco.com

Summary

SP Connection

Connection Type

Connection Role	SP
Browser SSO Profiles	true
Protocol	SAML 2.0
Connection Template	No Template
WS-Trust STS	false
Outbound Provisioning	false

Connection Options

Browser SSO	true
IdP Discovery	false
Attribute Query	false

General Info

Partner's Entity ID (Connection ID)	UCCX-SA1.cisco.com
Base URL	https://UCCX-SA1.cisco.com:8553

Browser SSO

SAML Profiles

IdP-Initiated SSO	true
IdP-Initiated SLO	false
SP-Initiated SSO	true
SP-Initiated SLO	false

Assertion Lifetime

Valid Minutes Before	5
Valid Minutes After	5

Assertion Creation

Identity Mapping

Enable Transient Identifier	true
Include additional attributes	false

Authentication Source Mapping

Adapter instance name	HTML Form IdP Adapter 1
-----------------------	-------------------------

Adapter Instance

Selected adapter	HTML Form IdP Adapter 1
------------------	-------------------------

MAIN

- IdP Configuration
- Server Configuration

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Mapping Method	
Adapter	HTML Form IdP Adapter
Mapping Method	Use only the Adapter Contract values in the mapping
Attribute Contract Fulfillment	
Issuance Criteria	
Criterion	(None)
Protocol Settings	
Assertion Consumer Service URL	
Endpoint	URL: /ids/saml/response (POST)
Allowable SAML Bindings	
Artifact	false
POST	true
Redirect	true
SOAP	false
Signature Policy	
Require digitally signed AuthN requests	true
Always sign the SAML Assertion	false
Encryption Policy	
Status	Inactive

Credentials

Digital Signature Settings	
Selected Certificate	CN=pingserver.cisco.com, OU=cisco, O=ccbu, L=bangalore, ST=Karnataka, C=IN
Include Certificate in KeyInfo	true
Include Raw Key in KeyValue	true
Selected Signing Algorithm	RSA SHA1

Signature Verification

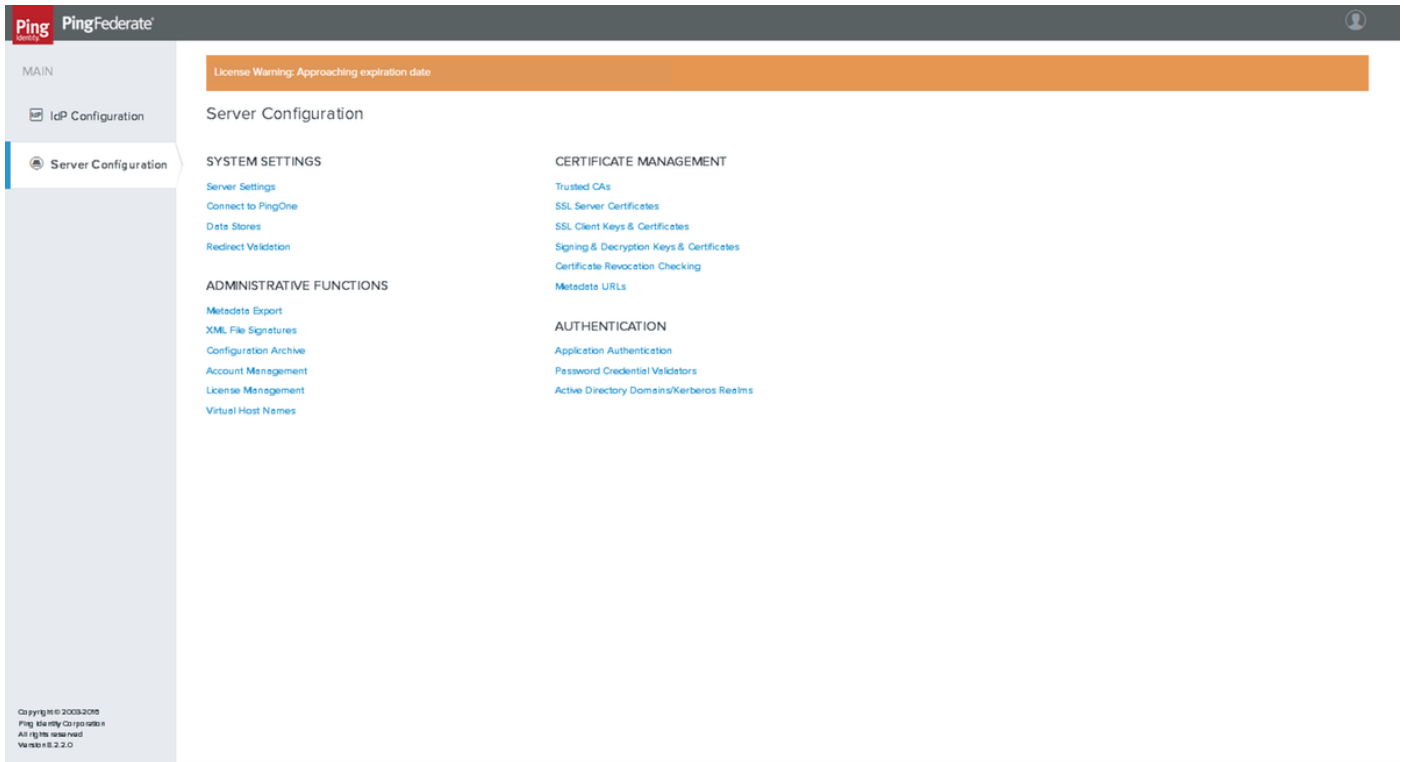
Trust Model	
Trust Model	Unanchored
Signature Verification Certificate	
Selected Certificate	CN=UCCX-SA1.cisco.com

[Cancel](#)
[Previous](#)
[Save](#)

Controleer het overzicht en klik op Opslaan.

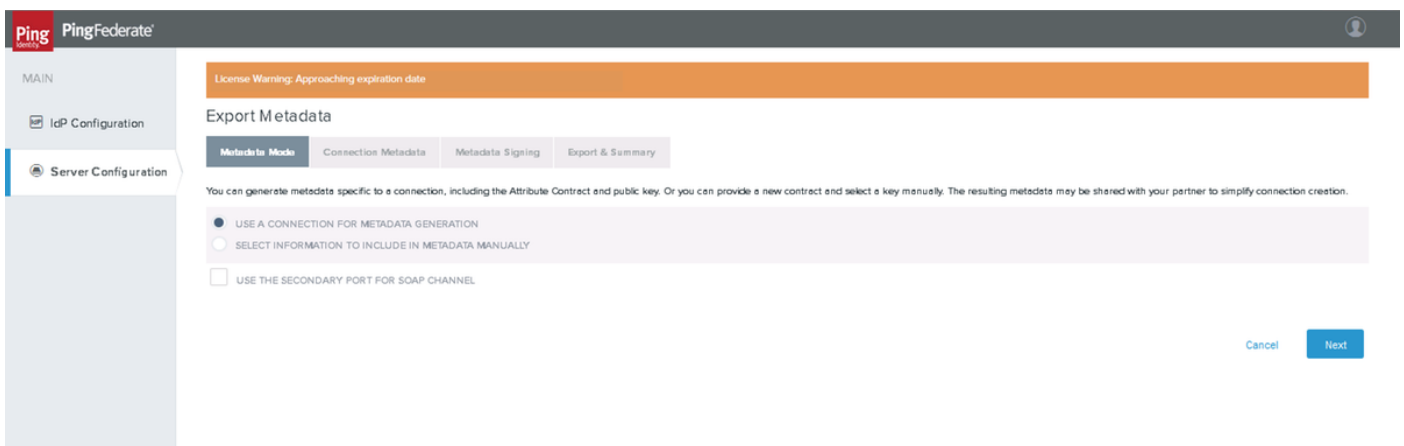
PingFederate-metagegevens exporteren

Metagegevens exporteren



Metagegevensmodus

Klik op Serverconfiguratie > BEHEERFUNCTIES > Metagegevens exporteren



Klik op Volgende

verbindingmetagegevens

Export Metadata

Metadata Mode Connection Metadata Metadata Signing Export & Summary

Select a connection that contains the Attribute Contract and Digital Signature Key you wish to include in the metadata.

UCCX-SA1.cisco.com

Attribute Contract

SAML_AUTHN_CTX

SAML_NAME_FORMAT

uid

user_principal

DIGITAL SIGNATURE KEY
CN=pingserver.cisco.com, OU=cisco, O=ccbu, L=bangalore, ST=Karnataka, C=IN

XML ENCRYPTION KEY
No XML key available for this connection

Cancel Previous Next

Selecteer de SP-verbinding die u hebt gemaakt en klik op Volgende

Metagegevensondertekening

Ping Federate

License Warning: Approaching expiration date

Export Metadata

Metadata Mode Connection Metadata Metadata Signing Export & Summary

From this list of certificates, choose which one to use for signing the selected file.

SIGNING CERTIFICATE 01584CA89AF6 (cn=SSO)

INCLUDE THIS CERTIFICATE'S PUBLIC KEY CERTIFICATE IN THE <KEYINFO> ELEMENT.

INCLUDE THE RAW KEY IN THE SIGNATURE <KEYVALU> ELEMENT.

SIGNING ALGORITHM RSA SHA256

Manage Certificates

Cancel Previous Next

Selecteer het metagegevenscertificaat dat u hebt gemaakt en onderteken het ALGORITME als RSA SHA256. Klik op Volgende

Exporteren en overzicht

Probleem	werktuig	Mogelijke oorzaak
beheerpagina		
SAML-stroom mislukt	SAML Tracer	<p>Controleer of 'StatusCode' 'Succes' aangeeft, d.w.z. <code><samlp:StatusCode Value="urn:oasis:names:tc:SAML:2.0:status:Succes" /></code></p> <ul style="list-style-type: none"> • Zo niet, controleer of het 'Verzoeker' of 'Responder' aangeeft <ul style="list-style-type: none"> ◦ 'Verzoeker' zou betekenen dat er een probleem is met het SAML-verzoek, d.w.z. dat Cisco IdS het verzoek niet correct heeft verzonden. Controleer de Cisco IdS-logs onder <code>/opt/cisco/ids/log/</code> map ◦ 'Responder' zou een probleem met de IdP betekenen - dus controleer de logboeken van PingFederate
SAML-stroom mislukt	SAML Tracer	<p>Controleer het element <code><saml:AuthnContextClassRef></code> – de waarde ervan moet <code>urn:oasis:names:tc:SAML:2.0:ac:classes>PasswordProtectedTransport</code> zijn</p> <p>Als de waarde is ingesteld op <code>urn:oasis:names:tc:SAML:2.0:ac:classes:specified</code> – controleer dan of het SAML_AUTHN_CTXcontract correct is geconfigureerd en toegewezen.</p>
SAML-stroom mislukt	SAML Tracer	<p>Controleer op het element <code><saml:AttribuutStatement></code> – het moet aanwezig zijn en moet onderliggende elementen bevatten die overeenkomen met 'uid' en 'user_principal'</p> <p>Indien niet gevonden, controleer dan de instellingen 'Aanmaken van beweringen' gevolgd door 'Uitvoering van contract' om ervoor te zorgen dat de kenmerken van het contract correct zijn gedefinieerd en toegewezen</p>
SAML-stroom mislukt	SAML Tracer	<p>Controleer of het bericht 'Ongeldige handtekening' wordt weergegeven in Cisco IdS- of PingFederate-logboeken.</p> <p>Indien bevestigd, herstelt u het vertrouwen in de metagegevens in IdS & PingFederate</p>
SAML-stroom mislukt	SAML Tracer	<p>Controleer de tijdsomstandigheden en het tijdstip waarop Cisco IdS de SAML-respons heeft ontvangen, moet liggen tussen de tijden die zijn vermeld in <code><saml:Conditions NotBefore="2016-12-18T07:24:10.191Z" NotOnOrAfter="2016-12-18T07:34:10.191"></code></p>

Verdere configuratie voor SSO:

Dit document beschrijft de configuratie van het IdP-aspect voor SSO om te integreren met de Cisco Identity Service. Voor meer informatie raadpleegt u de afzonderlijke productconfiguratiehandleidingen:

- [UCCX](#)
- [UCCE](#)
- [PCCE](#)

Over deze vertaling

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