RSA Ready
Citrix FAS SSO

Integrate RSA SecurID Access with Citrix XenApp and XenDesktop leveraging Citrix FAS

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RSA READY

Introduction

The Citrix Federated Authentication Service (FAS) is a privileged component designed to integrate with Active Directory Certificate Services. It dynamically issues certificates for users, allowing them to log on to an Active Directory environment as if they had a smartcard. This allows StoreFront to use a broader range of authentication options, such as RSA SecurID and SAML (Security Assertion Markup Language) assertions.

Without Citrix FAS, Citrix users authenticating with RSA SecurID or SAML must additionally present either Windows account credentials or a smartcard in order to access Citrix published resources.

Example use cases:

RSA SecurID Access SSO Agent with FAS

1. The user logs on to RSA SecurID Access SSO portal.
2. The user clicks on the Citrix NetScaler connector link and is SSOd using SAML on to NetScaler.
3. The user is then SSOd using FAS to StoreFront.

   The user can now access Citrix published resources.

RSA SecurID Access SSO Agent without FAS

1. The user logs on to RSA SecurID Access SSO portal.
2. The user clicks on the Citrix NetScaler connector link and is SSOd on to NetScaler using SAML.
3. The user logs on to StoreFront using Windows account credentials or smartcard.

   The user can now access Citrix published resources.

RSA SecurID Standard Agent with FAS

The user logs on to Citrix Receiver using RSA SecurID. In the background, FAS is used to SSO to StoreFront.

The user can now access Citrix published resources.

RSA SecurID Standard Agent without FAS

The user logs on to Citrix Receiver using RSA SecurID and Windows account credentials or smartcard. In the background, the Windows account credentials are used to logon to StoreFront.

The user can now access Citrix published resources.

Required Components:

Citrix NetScaler Gateway 11.0 (or newer)

Citrix StoreFront 3.6 (or newer)

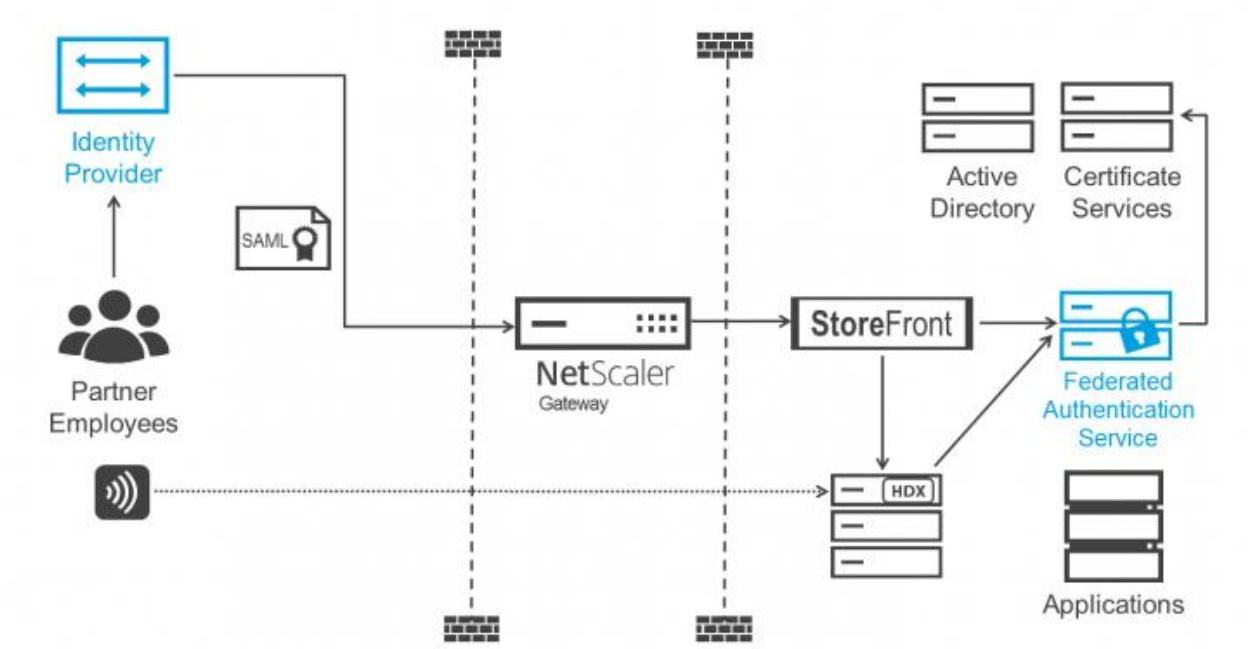
Citrix XenApp and/or XenDesktop 7.9 (or newer)

Citrix FAS (Federated Authentication Service)

Microsoft Active Directory DC

Microsoft Enterprise Certificate Authority

Note: It is recommended to first configure your Citrix deployment using AD username and password authentication prior to adding FAS and SAML or SecurID authentication.



Configuration

This document is not a step-by-step guide for configuring RSA SecurID Access with Citrix FAS. It is intended to be a supplement to existing Citrix and RSA documentation. It is expected that the reader has strong working knowledge of all components involved.

This section shows a basic configuration of Citrix NetScaler and Citrix StoreFront that is known to be compatible with RSA SecurID Standard and SSO Agents.

NetScaler

RSA SecurID Access uses Citrix NetScaler as its integration point. Follow the instructions in the appropriate RSA Ready implementation guide to configure the NetScaler Gateway authentication policy.

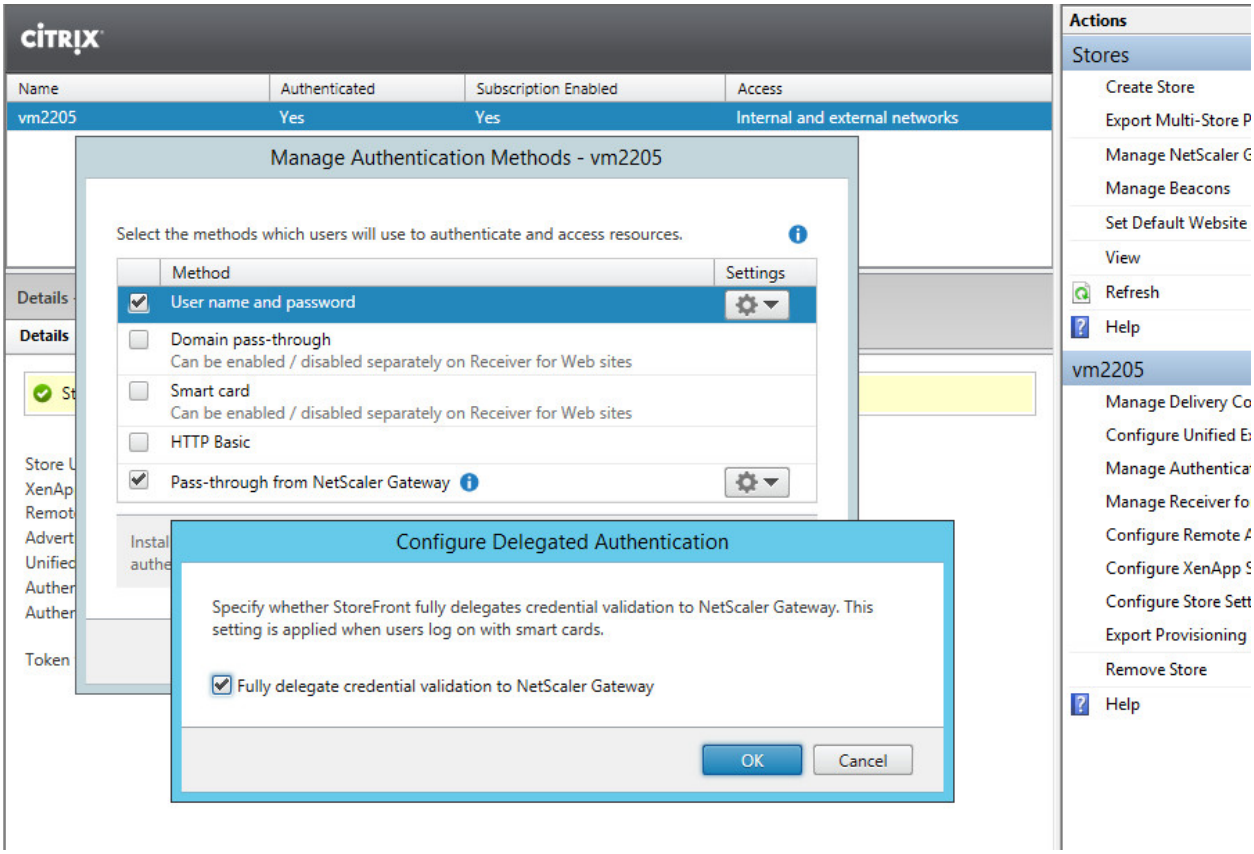
Authentication Policy

RSA SecurID SSO Agent -- Integrate RSA SecurID Access using a SAML authentication policy. Users must logon using a UPN formatted username. Refer to the RSA Ready implementation guide for instructions on how to integrate.

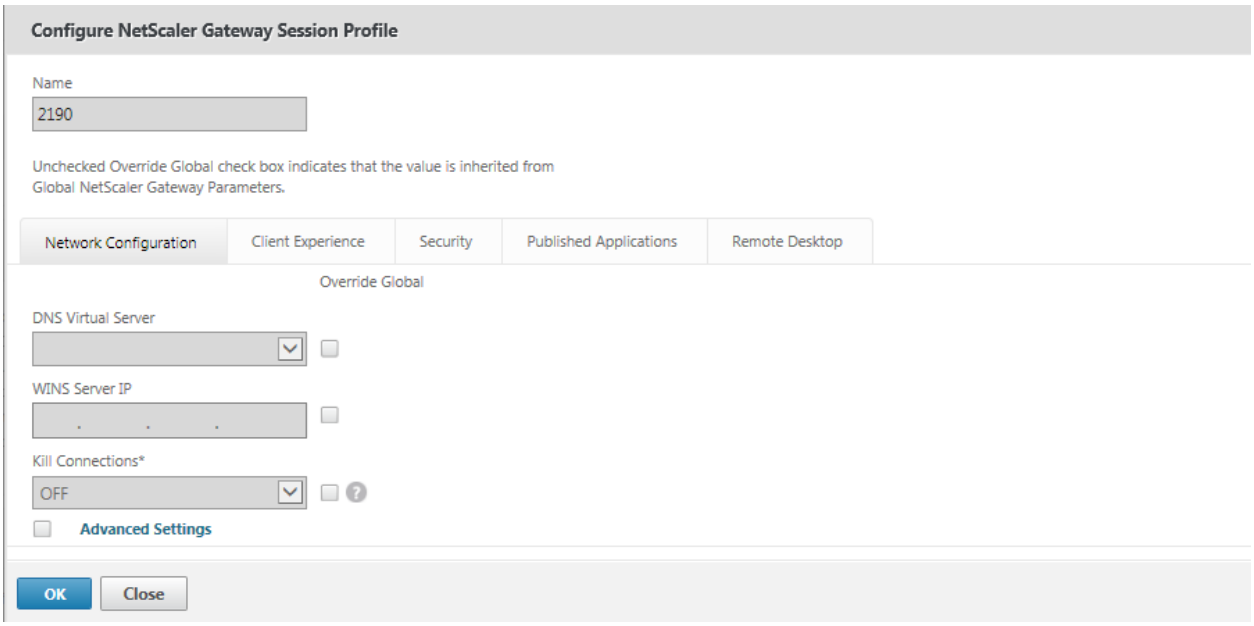
RSA SecurID Standard Agent– Integrate with RSA SecurID using a RADIUS authentication policy. Users must logon using a UPN formatted username. This will require that SecurID users be configured with an alias that matches their AD UPNs. Refer to the RSA Ready implementation guide for instructions on how to integrate.

Session Policy

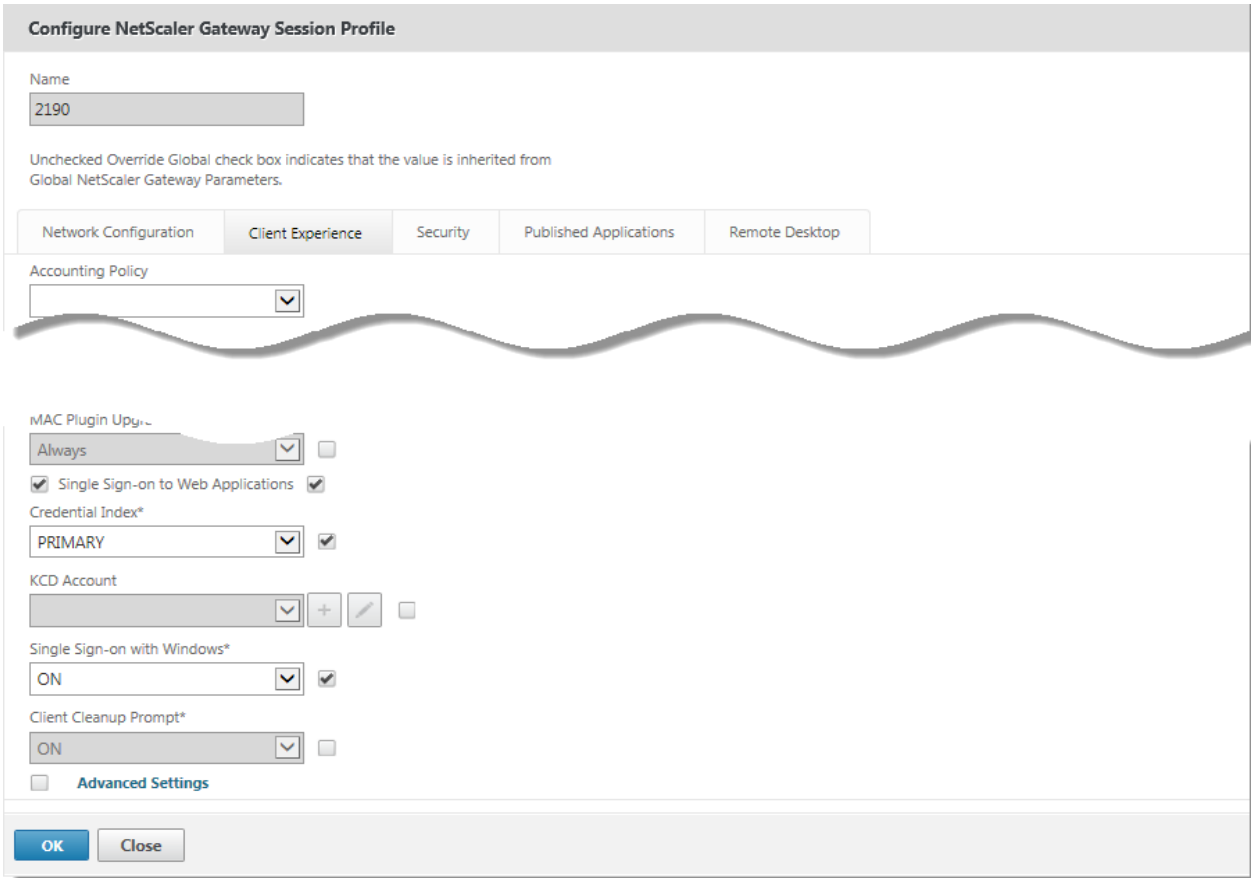
Network Configuration



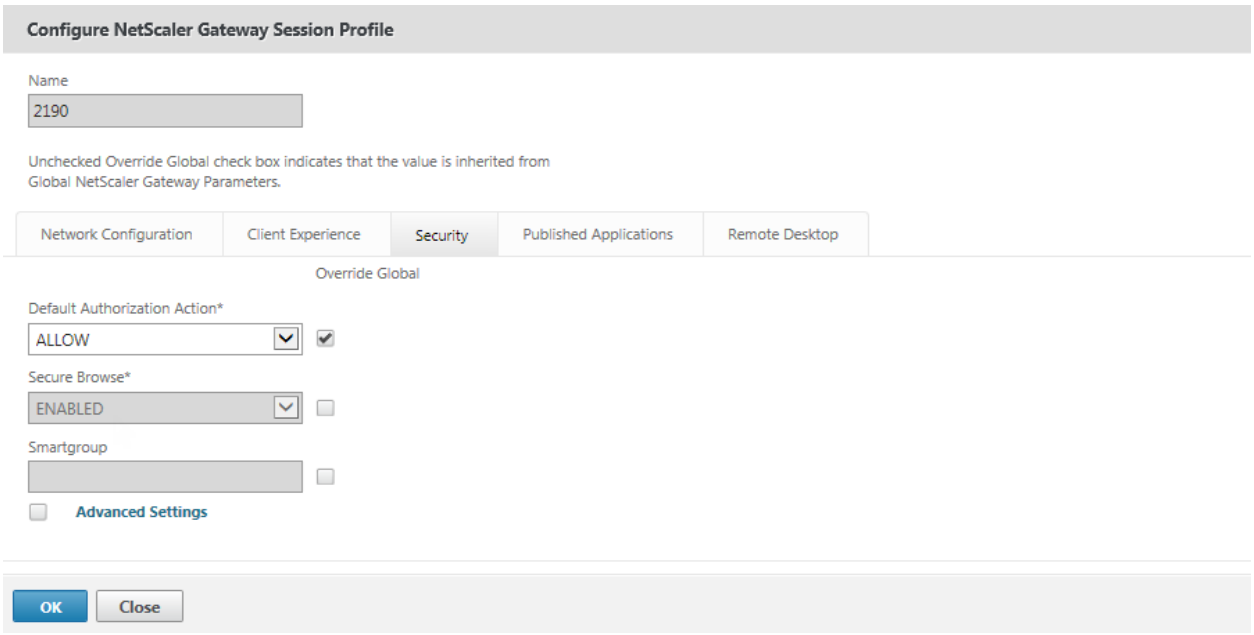
Network Configuration



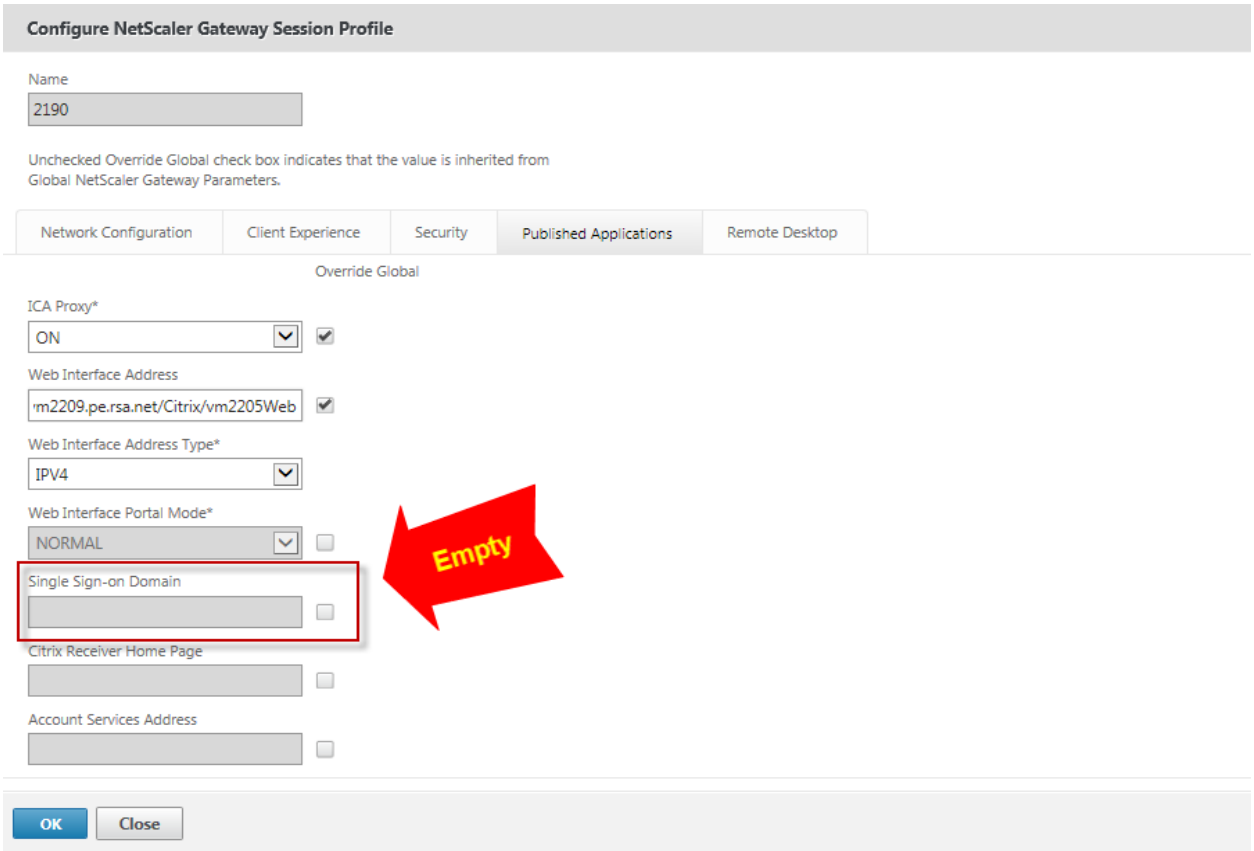
Client Experience



Security



Published Applications



StoreFront

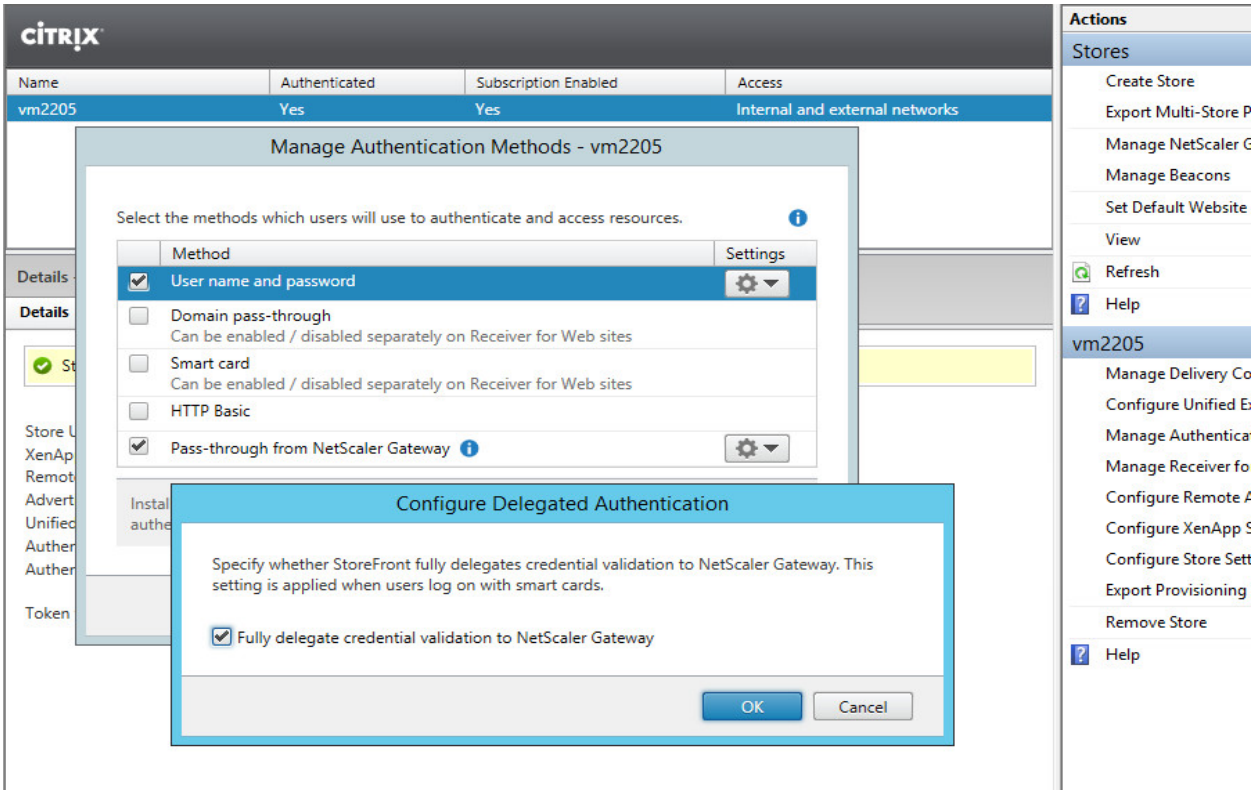
Enable FAS Plug-In

Run the following powershell script on the StoreFront server to enable the Federated Authentication Service plug-in.

```
Get-Module "Citrix.StoreFront.*" -ListAvailable | Import-Module
$StoreVirtualPath = "/Citrix/StoreName"
$store = Get-STFStoreService -VirtualPath $StoreVirtualPath
$auth = Get-STFAuthenticationService -StoreService $store
Set-STFClaimsFactoryNames -AuthenticationService $auth -ClaimsFactoryName
"FASClaimsFactory"
Set-STFStoreLaunchOptions -StoreService $store -VdaLogonDataProvider
"FASLogonDataProvider"
```

Configure Authentication Methods

Enable **Pass-through from NetScaler Gateway** and **Fully delegate credential validation to NetScaler Gateway** on the store on which you are enabling SSO.



Set the StoreFront store to ignore password

Edit the following file:

```
C:\inetpub\wwwroot\Citrix\storeNanmeAuth\web.config
```

Change the following line from:

```
<citrixAGBasicAuthentication credentialValidationMode="password">
```

To:

```
<citrixAGBasicAuthentication credentialValidationMode="kerberos">
```

Citrix XenApp and/or XenDesktop

Set the XenApp / XenDesktop server to trust StoreFront.

To use the Federated Authentication Service, configure the XenApp or XenDesktop Delivery Controller to trust the StoreFront servers that can connect to it.

Run the following powershell script on the XenApp or XenDesktop systems:

```
Set-BrokerSite -TrustRequestsSentToTheXmlServicePort $true
```

Citrix FAS (Federated Identity Service)

Install and configure the Federated Identity Service according the instructions at the following URL.

http://docs.citrix.com/en-us/xenapp-and-xendesktop/7-9/secure/federated-authentication-service.html

Microsoft Active Directory DC

No special consideration or configuration necessary.

Microsoft Enterprise Certificate Authority

The certificate authority must be installed as enterprise (rather than standalone) type or you will not be able to issue the Domain Controller and Domain Controller Authentication certificates to the DC. This is necessary in order for the end users to logon to the XenApp and/or XenDesktop server using FAS provisioned smartcards.