

SiteMinder Two-Factor Authentication (2FA)

logintc.com/docs/connectors/siteminder

Introduction

The LoginTC SiteMinder Connector is a complete multi-factor authentication solution for CA SiteMinder. The LoginTC SiteMinder Connector features a SiteMinder authentication scheme that adds additional layers of security to your existing SiteMinder deployments with minimal effort.

Prerequisites

Before proceeding, please ensure you have the following:

- [LoginTC Admin Panel](#) account (or on-premise deployment)
- SiteMinder r12.x Policy Server
- SiteMinder Web Agent and HTTP Server
- LoginTC SiteMinder Connector package: `logintc-siteminder-connector-x.x.x.zip`

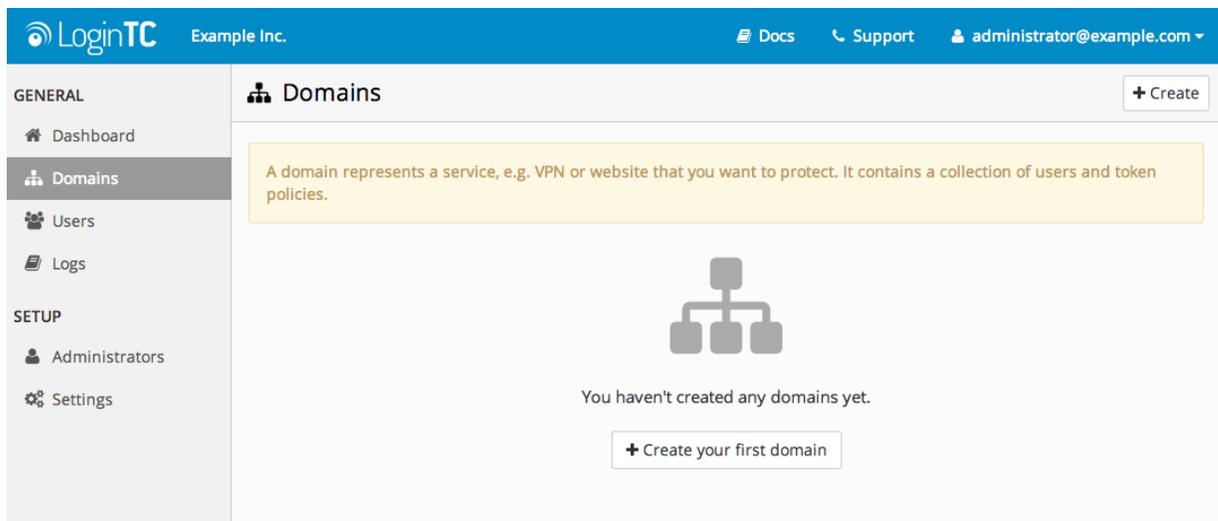
Enterprise subscription required

Please contact our [sales team](#) for trial access to the LoginTC SiteMinder Connector.

SiteMinder Domain Creation

If you have already created a LoginTC domain for your LoginTC SiteMinder Connector, then you may skip this section and proceed to [Installation](#).

1. [Log in](#) to LoginTC Admin
2. Click **Domains**:
3. Click **Add Domain**:



4. Enter a name and optionally pick an icon

The screenshot shows the 'Create Domain' interface in the LoginTC admin console. The page title is 'Domains / Create Domain'. The 'Name' field is empty, and the 'Icon' is set to 'Default'. The sidebar on the left shows the navigation menu with 'Domains' selected.

5. Scroll down and click **Create**

Use Default Domain Settings

Domain settings can be modified at any time by navigating to **Domains > Your Domain > Settings**.

Installation

The following instructions will guide you in installing the LoginTC SiteMinder Connector on your SiteMinder Policy Server.

1. Acquire the LoginTC SiteMinder Connector package if you haven't already
2. Unzip the LoginTC SiteMinder Connector package. The package will contain the following components:
 - o `LoginTCAuthScheme.jar`: The LoginTC SiteMinder authentication scheme
 - o `form/`: A directory with a sample web forms credential collector (FCC)

Authentication Scheme

The following steps will guide you in installing the LoginTC SiteMinder authentication scheme on your SiteMinder Policy Server:

1. Upload `LoginTCAuthScheme.jar` to your SiteMinder Policy Server host (e.g. to `/path/to/siteminder/bin`)
2. Open your Policy Server's `JVMOptions.txt` file (located in `/path/to/siteminder/config`) and add `LoginTCAuthScheme.jar` to `java.class.path`. Separate items with a colon (:). E.g. the line should look similar to:

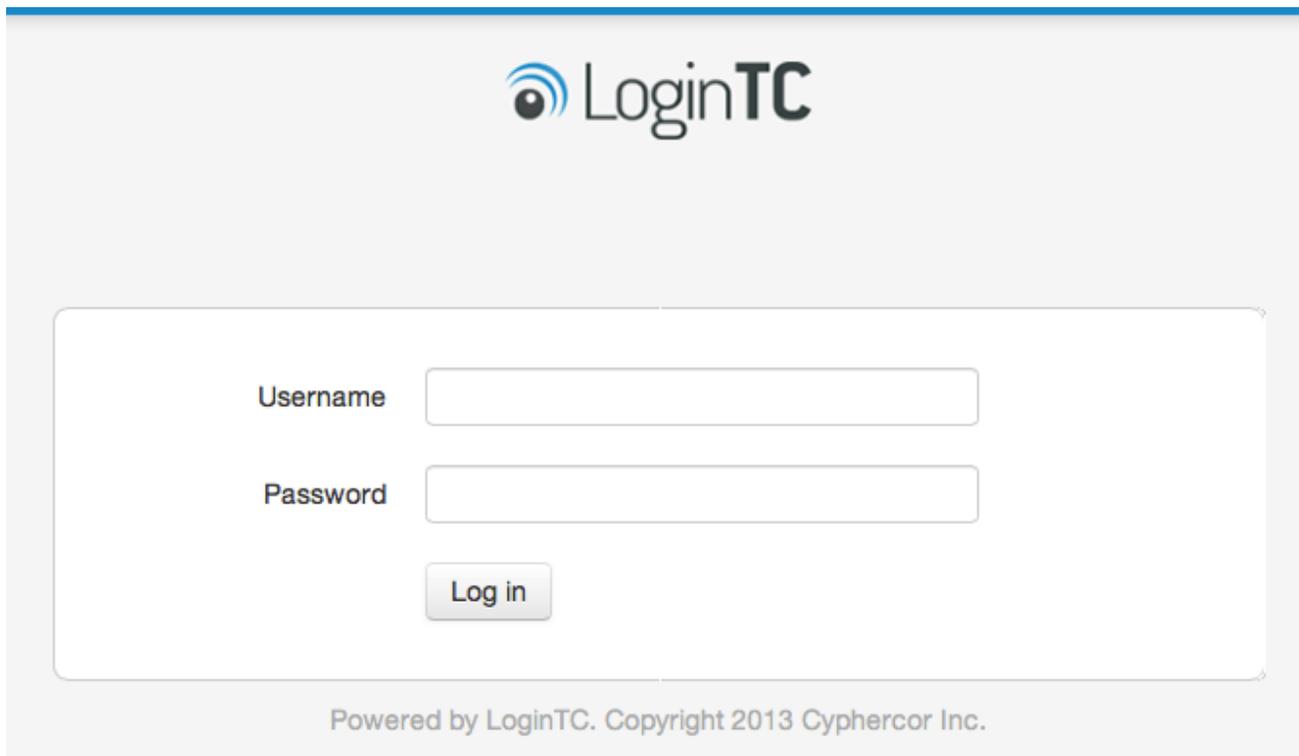
```
-  
Djava.class.path=/opt/ca/siteminder/config/properties:/opt/ca/siteminder/bin/jars/smbotstrap.jar:/opt/ca/siteminder/bin/LoginTCAuthScheme.jar
```

3. Restart your SiteMinder Policy Server

Login Form

This optional installation step will provide you with a LoginTC-branded web login form for your SiteMinder Web Agent. You may skip this section if your organization already has a web login form.

1. Upload the contents of the **form/** directory to the host(s) where your HTTP server and SiteMinder Web Agents are running
2. Ensure that the contents within the **form/** directory can be viewed by unauthenticated users.



Configuration for SiteMinder Authentication

This section will guide you through the process of registering and adding the LoginTC authentication scheme to your realm.

Registering LoginTC Authentication Scheme

The following steps will register the LoginTC authentication scheme and make it available for your realms.

1. Log in to the SiteMinder Administrative UI
2. Click on **Infrastructure** tab and then **Authentication** tab
3. Click on **Authentication Schemes**
4. Click **Create Authentication Scheme**

5. Select “Create a new object of type Authentication Scheme” option and press the **OK** button
6. Select **Custom Template** from the **Authentication Scheme Type** field
7. Fill in the form with the following values:

Name

LoginTC

Description

LoginTC multi-factor authentication

Library

smjavaapi

Secret

Your 64-character LoginTC Admin organization API key

Confirm Secret

Your 64-character LoginTC Admin organization API key

Parameter

com.cyphercor.logintc.siteminder.LoginTCAuthScheme

<parameter> where <parameter> is the following parameters concatenated by commas:

Position	Field	Example
1	Protocol	https
2	LoginTC Admin Host	cloud.logintc.com
3	LoginTC Admin Port	443
4	Domain ID	2fd4e1c67a2d28fced849ee1bb76e7391b93eb12
5	Timeout (s)	60
6	Path to web form	/logintc.fcc
7	Debug Mode	true

For example,

replace <parameter> with https, cloud.logintc.com, 443, 2fd4e1c67a2d28fced849ee1bb76e7391b93eb12, 60, /logintc.fcc, true

8. Click the **Submit** button

Modify Authentication Scheme: LoginTC

[Authentication Schemes](#) > Modify Authentication Scheme: LoginTC

• = Required

General

• **Name** **Description**

Scheme Common Setup

• **Authentication Scheme Type** ▾
• **Protection Level** [1-1,000, higher is more secure]

Allow Protection Override

Password Policies enabled for this Authentication Scheme

Scheme Setup

Library

Secret

Confirm Secret:

Parameter

Enable this scheme for SiteMinder Administrators

Persist Authentication Session Variables

Enable LoginTC for Realm

The following steps will enable LoginTC multi-factor authentication for one or more of your realms.

1. Click on **Policies** tab and then **Domain** tab
2. Click on **Realms** and then click on your realm
3. Press the **Modify** button
4. Select **LoginTC** from the **Authentication Scheme** dropdown
5. Click **Submit**

Your realm is now protected by LoginTC multi-factor authentication. When you attempt to access a protected web resource, you will be redirected to the login form that you specified in the LoginTC authentication scheme parameter.

User Management

There are several options for managing your users within LoginTC:

- Individual users can be added manually in [LoginTC Admin Panel](#)
- Bulk operations using [CSV Import](#)
- Programmatically manage user lifecycle with the [REST API](#)
- One-way user synchronization of users to LoginTC Admin is performed using [User Sync Tool](#).

Troubleshooting

To debug the LoginTC Authentication Scheme, enable debug mode (by setting the 7th parameter in `<parameter>` to `true`) and restart your SiteMinder Policy Server. The LoginTC authentication scheme outputs logs to `/tmp/LoginTCAuthScheme.log`.