

# SafeNet Authentication Service Configuration Guide

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Token Validator Proxy Agent



THE  
DATA  
PROTECTION  
COMPANY

## Document Information

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Contact Method	Contact Information
<b>Mail</b>	SafeNet, Inc. 4690 Millennium Drive Belcamp, Maryland 21017, USA
<b>Email</b>	<a href="mailto:TechPubs@safenet-inc.com">TechPubs@safenet-inc.com</a>

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## Applicability

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The information in this document applies to:

- **SafeNet Authentication Service (SAS)** - A cloud authentication service of SafeNet Inc.
- **SafeNet Authentication Service – Service Provider Edition (SAS-SPE)** - The software used to build a SafeNet authentication service.
- **SafeNet Authentication Service – Private Cloud Edition (SAS-PCE)** - A term used to describe the implementation of SAS-SPE/PCE.

**Note:** References to BlackShield and CRYPTOCARD reflect CRYPTOCARD branding prior to acquisition by SafeNet. Over time these references will change to reflect SafeNet branding including program installation locations.

## Environment

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<b>Supported Platforms</b>	<ul style="list-style-type: none"><li>• Windows 2008 SP2 and Windows 2008 R2</li><li>• Windows 8</li><li>• Windows 7</li><li>• Window Vista</li><li>• Windows XP</li></ul>
<b>Supported Architecture</b>	<ul style="list-style-type: none"><li>• 32-bit</li><li>• 64-bit</li></ul>
<b>Additional Software Components</b>	<ul style="list-style-type: none"><li>• IIS 6</li><li>• IIS 7</li><li>• IIS 8</li></ul>

## Overview

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The function of the Token Validator Proxy (TVP) Agent is to implement proxy authentication requests from other agents to SAS.

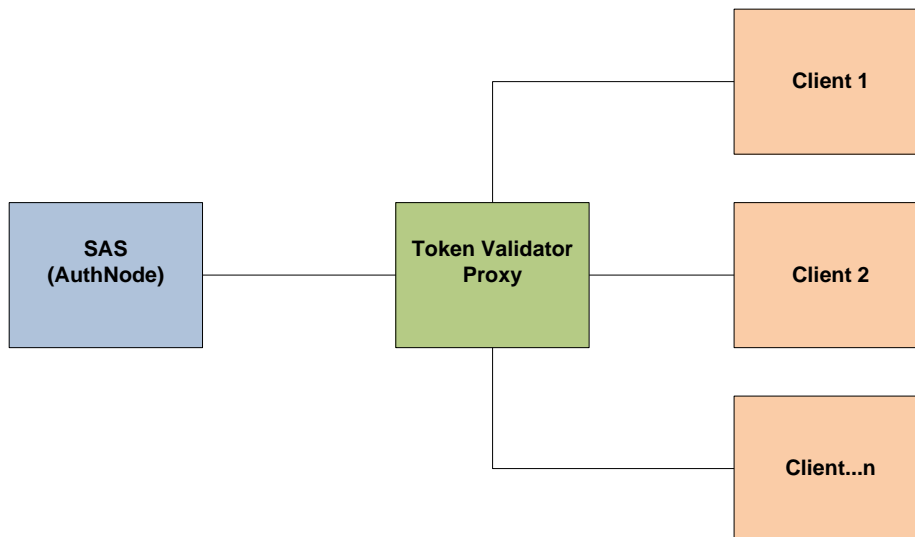
It has two main uses:

- When working with Network Logon, without TVP you would be required to register each workstation's IP address to SAS and have each workstation communicate directly with SAS. With TVP, each Network Logon agent can be pointed at TVP and only the IP address of their TVP need be registered with SAS.
- When using SafeNet Authentication Service API with a cloud application such as MS Azure, you cannot be sure of the IP address of the cloud server, nor are you entitled to claim this IP address as your own. To solve this problem, you can point your cloud application at the TVP and register your TVP as their Auth Node.

## Architecture

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If each client was to be connected directly to SafeNet Authentication Service, each would require its own IP address to be configured. By using the SafeNet Authentication Service TVP, it needs to be configured just once with the IP address of the SAS Auth Node. Multiple clients can then be connected to SAS through the TVP without further IP addresses being configured.



## Configuring the SafeNet Authentication Service Manager

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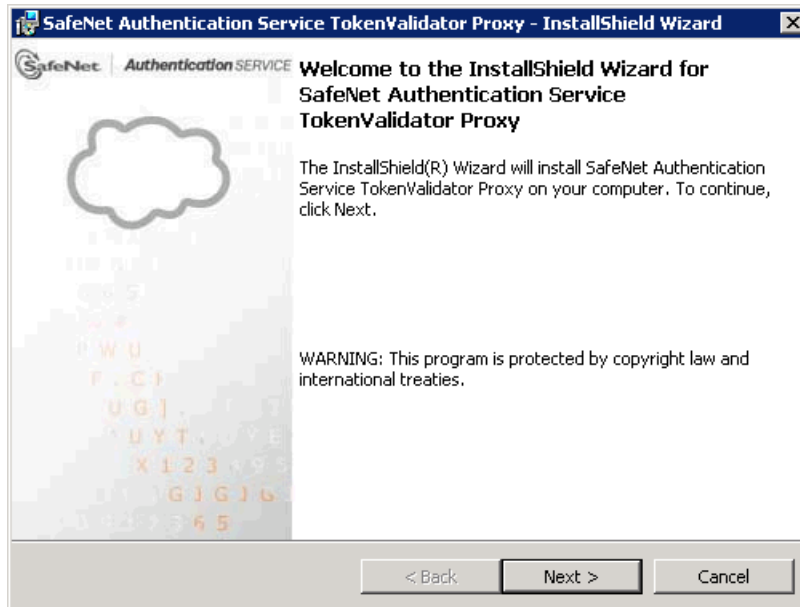
The SafeNet Authentication Service Manager must be configured as follows:

1. In the SafeNet Authentication Service Manager, select **Virtual Servers > COMMS > Auth Nodes**.
2. Click **Add**.
3. Add the IP of the TVP computer.
4. Click **Apply**.

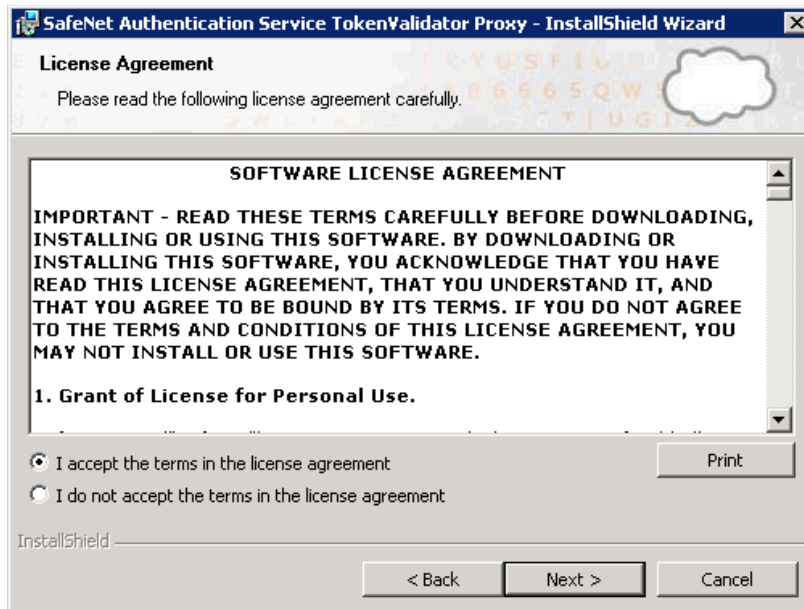
# Installing the Agent

1. On the TVP computer, run one of the following installation files:
  - SafeNet TokenValidator Proxy x64.exe (64-bit)
  - SafeNet TokenValidator Proxy.exe (32-bit)

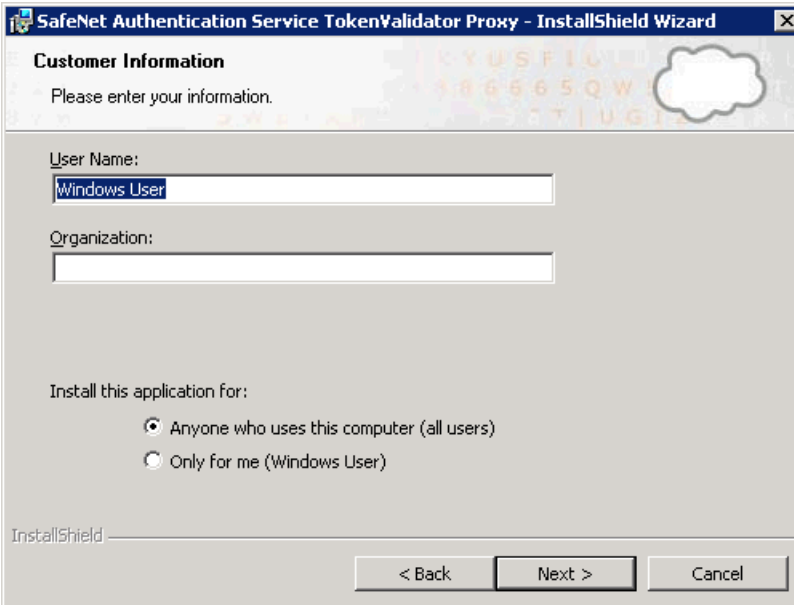
The **Welcome to the InstallShield Wizard for SafeNet Authentication Service TokenValidator Proxy** window opens. Click **Next** to continue.



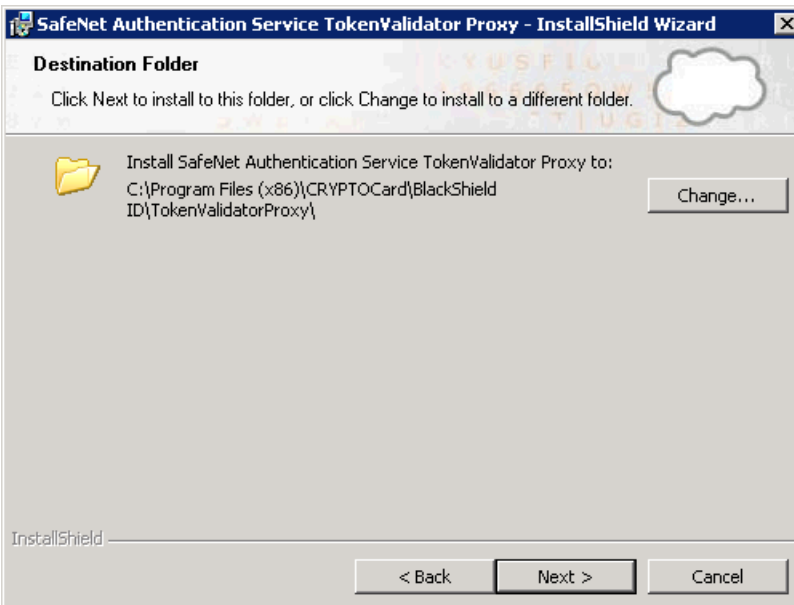
2. On the **License Agreement** window, select I accept the terms in the license agreement and click Next.



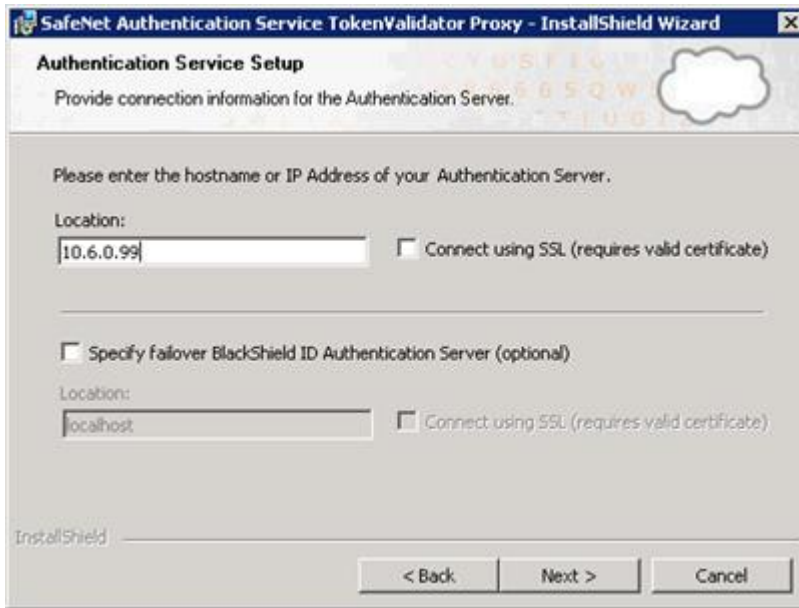
3. On the **Customer Information** window, do the following:
  - a. Enter the **User Name** and **Organization**.
  - b. Select one of the following options to determine who can use the application:
    - Anyone who uses this computer (all users)
    - Only for me
  - c. Click **Next**.



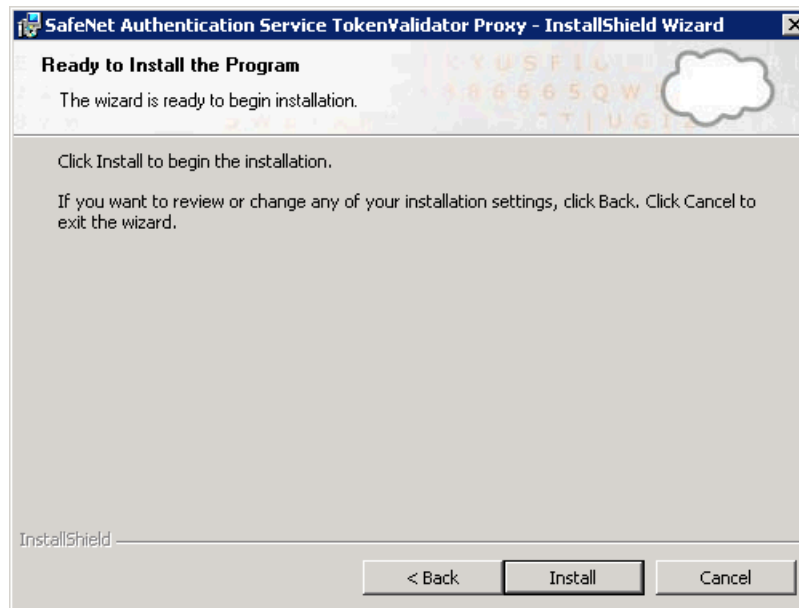
4. On the **Destination Folder** window, the installation folder is displayed. To change the location, click **Change** and then browse to the required location. Once a location is selected, click **Next**.



5. On the **Authentication Service Setup** window, enter the IP address of the SAS server. Click **Next**.

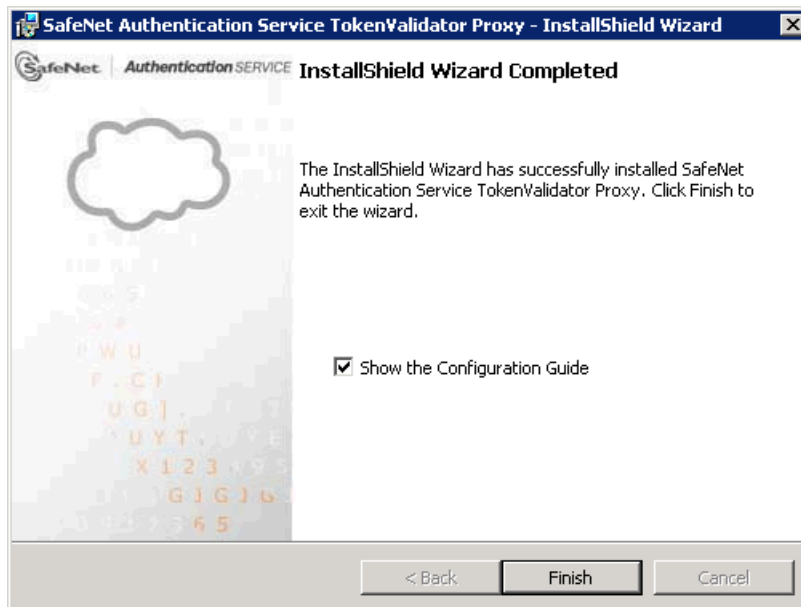


6. On the **Ready to Install the Program** window, click **Install** to begin installation.





- When the process has been completed, the **InstallShield Wizard Completed** window opens.



- Click **Finish** to exit the installation wizard.

Following installation, the **SAS Proxy Source Server** service is installed on Windows.

## Configuring Token Validator Proxy

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### Loading and Registering the Key File

The Token Validator Proxy (TVP) uses an encrypted key file to communicate with the agents and the authentication server. This ensures all authentication attempts made against the TVP and the server are from valid recognized agents.

#### Loading the Key File

The key file must be saved on the client computer and the TVP computer

- In SAS, select the **System** tab and download a key file from the **Agent Settings** section.
- Using Windows Explorer, change your current working directory to the **KeyFile** directory by entering **[INSTALLDIR]\KeyFile\** in the address bar, where **[INSTALLDIR]** represents the installation directory of the TVP.
- Copy and paste the key file to the **KeyFile** directory.

## Registering the Key File

You must register the loaded files. To do so, perform the following steps:

1. In Windows, select **Start > Run**.
2. Enter **regedit** and then click **OK**.
3. Expand **HKEY\_LOCAL\_MACHINE > SOFTWARE > CRYPTOCARD > BlackShield ID > TokenValidatorProxy**.
4. Double-click **EncryptionKeyFile**.
5. In the text box, enter the fully qualified path to the loaded key file that was loaded above.

For more details, see the *Token Validator Proxy Configuration Notes*.

To view the *Token Validator Proxy Configuration Notes*, from the Windows Desktop, select **Start > More Programs > SafeNet > SafeNet Authentication Service > Token Validator Proxy Configuration Notes**.

## Changing Settings after Installation

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Once installed, the paths to the main SAS server and the backup SAS server can be changed, if required.

### Main SAS Server

Enter the path to the main SAS server in the following Registry key:

```
HKEY_LOCAL_MACHINE \SOFTWARE\CRYPTOCARD\BlackShield  
ID\TokenValidatorProxy\PrimaryServiceURL
```

### Backup SAS Server

Enter the path to the backup SAS server in the following Registry key:

```
HKEY_LOCAL_MACHINE \SOFTWARE\CRYPTOCARD\BlackShield  
ID\TokenValidatorProxy\OptionalSecondaryServiceURL
```

## Token Validator Proxy Logs

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TVP logs can be viewed in the Windows Event Viewer.

## Support Contacts

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If you encounter a problem while installing, registering, or operating this product, please make sure that you have read the documentation. If you cannot resolve the issue, contact your supplier or SafeNet Customer Support. SafeNet Customer Support operates 24 hours a day, 7 days a week. Your level of access to this service is governed by the support plan arrangements made between SafeNet and your organization. Please consult this support plan for further information about your entitlements, including the hours when phone support is available to you.

**Table 1: Support Contacts**

Contact Method	Contact Information	
Address	SafeNet, Inc. 4690 Millennium Drive Belcamp, Maryland 21017 USA	
Phone	United States	1-800-545-6608
	International	1-410-931-7520
Technical Support Customer Portal	<a href="https://serviceportal.safenet-inc.com">https://serviceportal.safenet-inc.com</a> Existing customers with a Technical Support Customer Portal account can log in to manage incidents, get the latest software upgrades, and access the SafeNet Knowledge Base.	