PINsafe®

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AUTHENTICATION YOU CAN IDENTIFY WITH

Citrix Web Interface 4.0 and Presentation server 4.0 Swivel Integration

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1. Introduction

This document outlines the necessary steps to integrate PINsafe authentication into the Citrix Presentation Server 4 web interface. This also works with Citrix Secure Gateway v3.0

2. Overview

2.1. Prerequisites

This installation guide assumes that a Presentation Server site has been configured with **Explicit** authentication enabled. The customised files provided are based on build **45083** of the Citrix web interface and have been tested with versions 4.0 and 4.2, for later versions please contact your PINsafe reseller for an update.

The following files are required to complete the installation:
1. **PINsafeClient.dll** – PINsafe authentication client library.

2. **login.aspx** – Customised login page.

3. **pinsafe_image.aspx** – Serves single channel images from PINsafe to users.

4. **login.js** – Customised login page client script.

5. **loginButtons.inc** – Customised login form buttons.

6. **loginMainForm.inc** – Customised login form.

7. **loginView.cs** – Customised login logic constants.

8. **login.cs** – Customised login logic.

9. **web.config.PINsafe** – Additional configuration entries for PINsafe integration.

Note: The default Citrix Install path is c:/inetpub/wwwroot/Citrix/Metaframe

2.2. Baseline

PINsafe 3.x
Citrix Web Interface 3.x, 4.0, 4.2

2.3. Architecture

Pinsafe authenticates users by using XML authentication. Turing images are proxied by the IIS server.

3. Installation

3.1. PINsafe Configuration

Add an entry in the **Server > Agents** section for the Citrix server. Ensure the secret matches that entered in **web.config**.

Enable **Allow session creation with username** in the **Server > Single Channel** section, and where required under **Server > Dual Channel**

3.2. Web Interface Configuration

The included files need to be copied to the following locations below the root of the Citrix web interface site. Where an existing file is being replaced ensure you make a backup copy so that the integration can be removed at a later date.

1. **PINsafeClient.dll** to **/bin**.

2. **login.aspx** and **pinsafe_image.aspx** to **/auth**.

3. **login.js** to **/auth/clientscripts**.

4. **loginButtons.inc** and **loginMainForm.inc** to **/auth/include**.

5. **loginView.cs** and **login.cs** to **/auth/serverscripts**.

6. **Ensure file permissions are set correctly on the copied files, Authenticated users need read permissions.**

Make the following adjustments to **/web.config**.

7. Add **/auth/pinsafe_image.aspx** to the comma separated list of URLs under the **<appSettings>** key **AUTH:UNPROTECTED_URLS**.

8. Copy the additional keys from **web.config.PINsafe** into the **<appSettings>** section. Adjust the key values to reflect your PINsafe installation.

Note: Communications to the PINsafe server use XML and require to connect to the PINsafe server on port 8080 and the install context pinsafe.

4. Verifying the Installation

Navigate to the Citrix Web interface login page. The customisation is visible in the addition of a **One Time Code** field and a **TURing** button. Attempting to login with a correct Citrix username and password but no one time code should result in failure. Only when a correct PINsafe one time code is entered in addition to the Citrix credentials should the user be logged in.

5. Troubleshooting

If following the installation steps the Citrix web interface fails to display properly edit **web.config** and set the **customErrors mode** to **Off**. This will enable the display of detailed error messages which may assist in troubleshooting.

To verify the Turing image works from the Citrix server, enter the following into a web browser, preferably from the Citrix server, which should display a Turing image if the sever is functioning correctly:

http://<pinsafe_server_ip>:8080/pinsafe/SCImage?username=<username>

Try copying across again the install files checking to ensure that they are not read only. Also check the install files have not been overwritten by the Citrix software.

6. Known Issues and Limitations

Self signed certificates are not supported with this version of the integration, either use a valid certificate, or non SSL communications or upgrade the Web Interface version.

7. Additional Information

For assistance in the PINsafe installation and configuration please firstly contact your reseller and then email Swivel Secure support at support@swivelsecure.com