



## Citrix Web Interface 4.5 Installation Notes

### Introduction

This document outlines the necessary steps to integrate PINsafe authentication into the Citrix 4.5 web interface.

### Acknowledgements

Swivel would like to thank Magnar Johnsen of Firstpoint AS Norway and Kenneth Grande ASPIT in their assistance in preparing this documentation.

### 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 **4.5.1.8215** of the Citrix web interface, if you have a later version 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.aspxf** – Customised login logic constants.
8. **login.aspxf** – Customised login logic.
9. **web.config.PINsafe** – Additional configuration entries for PINsafe integration.

Note: The default Citrix Install path is C:\Inetpub\wwwroot\Citrix\AccessPlatform

### Installation

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 **/app\_data/auth/include**.
5. **loginView.aspxf** and **login.aspxf** to **/app\_data/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\_PAGES**.
8. Copy the additional keys from **web.config.PINsafe** into the **<appSettings>** section. Adjust the key values to reflect your PINsafe installation.

Adjust the PINsafe configuration to allow access from the Citrix server.

9. Add an entry in the **Server > Agents** section for the Citrix server. Ensure the secret matches that entered in **web.config**.
10. Enable **Allow session creation with username** in the **Server > Single Channel** section.

## Using Static Password

When using a static PINsafe password with the OTC, edit the login.aspxf file as follows:

```
if (!pc.Login(user, "", otc))
```

to

```
if (!pc.Login(user,password, otc))
```

## Verifying Installation

Navigate to the Citrix Web interface login page. The customisation is visible in the addition of a **One Time Code** field and a **Get Code** 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.

## 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.

## Additional Information

For assistance in the PINsafe installation and configuration please contact your reseller or email Swivel Secure support at [support@swivelsecure.com](mailto:support@swivelsecure.com)