



Citrix Access Gateway Advanced Edition Installation Notes

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Introduction

This configuration document outlines how to integrate PINsafe with Citrix Access Gateway Advanced Edition using Active Directory authentication in addition to the PINsafe authentication.

Prerequisites

Citrix Access Gateway 4.5

Citrix Advanced Access Control 4.5

Citrix Access Management Console 3.0 with configured login points

Correct Citrix Licensing

PINsafe server

For Single Channel the PINsafe server IP needs to be reachable for authentication (i.e. this means an external IP address or a NAT for the PINsafe server IP)

Installation

Configure the RADIUS server

Right Click on the Access Gateway server farm and select Edit Farm Properties. Select the Authentication Profiles and for RADIUS profiles click on New. Enter a name and description for the server and then click on New. In the RADIUS server configuration enter the PINsafe server IP address, modify the Authentication and Accounting ports as required then click on OK.

The screenshot shows the 'RADIUS Profile Configuration' dialog box. It has a title bar with a close button. The main area contains:

- A 'Name' text box with 'PINsafe' entered.
- A 'Description' text box.
- A table with columns 'Server', 'Authentication', and 'Accounting'. The first row contains '192.168.9.70', '1812', and '1813'.
- 'Up' and 'Down' buttons to the right of the table.
- 'New...', 'Edit...', and 'Delete...' buttons below the table.
- A section 'Use the server list to:' with two radio buttons: 'Load balance requests to servers' (unselected) and 'Set failover sequence of unavailable servers' (selected).
- A 'Bypass failed servers for this time interval, in seconds:' label with a spin box set to '300'.
- A checked checkbox 'Enable RADIUS auditing'.
- A 'Cancel authentication after this time, in seconds:' label with a spin box set to '30'.
- A 'Configure Authorization...' button.
- A link 'Get help with this screen'.
- 'OK' and 'Cancel' buttons at the bottom.

The screenshot shows the 'Access Server Farm Properties' dialog box. It has a title bar with a close button. On the left is a tree view with 'Authentication Profiles' selected. The main area contains:

- A 'RADIUS profiles:' section with a table with columns 'Profile' and 'Description'. The first row contains 'PINsafe'.
- 'New...', 'Edit...', and 'Delete' buttons below the RADIUS profiles table.
- An 'LDAP profiles:' section with a table with columns 'Profile' and 'Description'.
- 'New...', 'Edit...', and 'Delete' buttons below the LDAP profiles table.
- 'OK', 'Cancel', and 'Apply' buttons at the bottom.

Modify the logon page

Skip this step if Single Channel authentication is not required

Locate the Logon page and then edit the Login.ascx

Example C:\Inetpub\wwwroot\CitrixLogonPoint\External

The following line needs to be edited to be the IP address of the PINsafe server, and if required to use https (normally on port 8443)

```
var sUrl="http://192.168.9.70:8080/pinsafe/SCImage?username=";
```

If you are using a PINsafe appliance the url may need to reflect the use of the image proxy; therefore it would be of the form

```
var sUrl="https://192.168.9.70:8443/proxySCImage?username=";
```

The position of the displayed Turing button and Security String can also be modified by editing the following lines:

```
document.write("<input type=button name=btnTuring value=Turing  
onclick=ShowTuring() class='submitbutton' styleHIDDEN='visibility:hidden;  
position: absolute; left:250;top:302;width:75;'>");
```

```
document.write("<img id=imgTuring name=imgTuring  
style='visibility:hidden;position: absolute; left:100;top:350;'>");
```

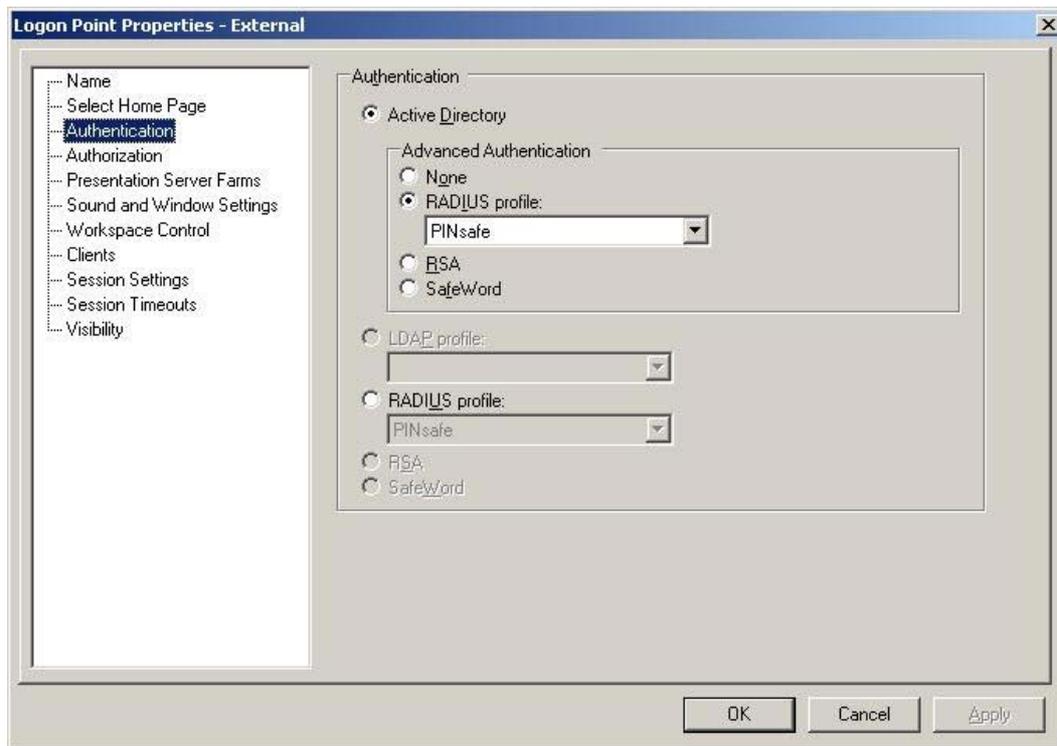
where the values of left and top can be altered.

Configure the logon page to use PINsafe

Right click on the selected Logon Point and select Edit logon point. Select Authentication and ensure that the Active Directory Radio button is selected. Under Advanced Authentication select the RADIUS profile radio button and from the drop down menu select the PINsafe RADIUS server.

Under Authorization ensure that Group Authorization is set to Active Directory. Ensure that 'Authentication and group authority use the same password' is not selected.

Under Session Settings ensure that users have access to the Active Directory domain where their usernames and passwords are held, and this should be the same domain that PINsafe is using to read its usernames.



Configure RADIUS server authentication

This is configured from the Citrix Access Gateway Server Configuration. Select the Configured Logon Points and then click on the Logon Point required for PINsafe access, then click on the Authentication Credentials. RADIUS authentication can be configured by using either a Global secret or server specific secret, this needs to be the same as the shared secret on the PINsafe server. When complete select deploy to update the Citrix Access Gateway.

Citrix Access Gateway Server Configuration

Tasks: **Configured Logon Points**

- Service Account
- Server Farm Information
- Configured Logon Points**
- Authentication Server De
- Services

When you deploy, remove, or rename logon points, the logon point folders in virtual directory \CitrixLogonPoint are deployed, removed, or renamed. You provide users with URLs to access these folders so that they log on using a specific logon point.

Logon Point	Status
SampleLogonPoint	✔ The folder is deployed to the Web site.
Internal	✔ The folder is deployed to the Web site.
External	✔ The folder is deployed to the Web site.

Logon Point Authentication Credentials

Enter Authentication/Authorization Credentials for External

LDAP Servers

Global password for all servers
 Administrator password:
 Confirm administrator password:

Server specific passwords

Server	Password

RADIUS Servers

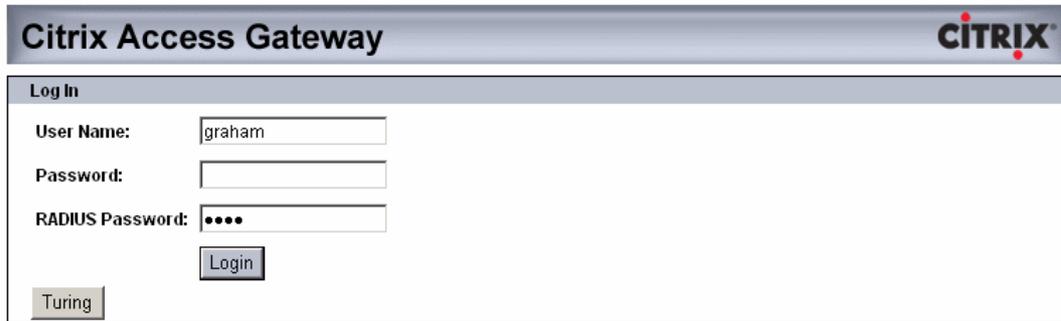
Global secret for all servers
 Authentication secret:
 Confirm authentication secret:

Server specific secrets

Server	Secret
192.168.9.70	

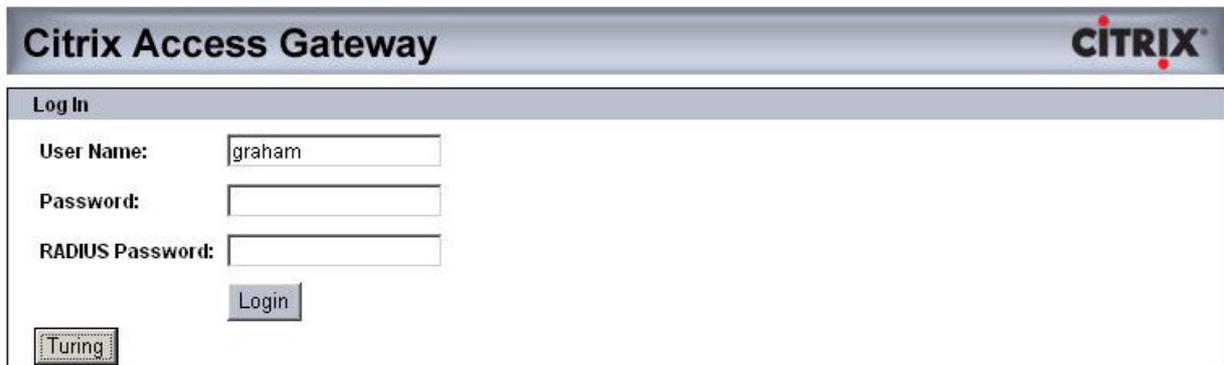
Testing

In a web browser load the logon page. The Single and Dual Channel should both function as required. For Dual channel enter the User Name, AD password, and the One Time Code in the RADIUS password field.



The screenshot shows the Citrix Access Gateway login interface. At the top, there is a header with "Citrix Access Gateway" on the left and the "CITRIX" logo on the right. Below the header is a "Log In" section. It contains three input fields: "User Name:" with the value "graham", "Password:" which is empty, and "RADIUS Password:" with four black dots. Below these fields is a "Login" button. At the bottom left of the login section is a "Turing" button.

For Single Channel enter the User Name, AD password, then click on the Turing button to generate a single channel login image. Carry out a PIN extraction and enter the One Time Code in the RADIUS password field.



The screenshot shows the Citrix Access Gateway login interface. At the top, there is a header with "Citrix Access Gateway" on the left and the "CITRIX" logo on the right. Below the header is a "Log In" section. It contains three input fields: "User Name:" with the value "graham", "Password:" which is empty, and "RADIUS Password:" which is empty. Below these fields is a "Login" button. At the bottom left of the login section is a "Turing" button.



Troubleshooting

Check the PINsafe server logs and system event logs for any errors or lack of communication.

Additional Information

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