CCASE Pexus

PIV Configuration



eCASE 11.2.0 PIV Configuration

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Using This Manual

The following formatting conventions are used in this manual to highlight important information:

- *Italicized* text indicates a location, for example a particular *Folder*, *Tab*, or *Window*.
- Bold text indicates a specific user action, such as clicking a button.
- **Red** text and this symbol (!!) are used in Notes to **bring attention to crucial information**.

Acronyms

All acronyms used in this document are defined in the following table:

Acronym	Definition
IIS	Internet Information Services
PIV	Personal Identity Verification
SSL	Secure Socket Layer

1 Introduction

1.1 About This Manual

This manual is intended to assist eCASE Administrators with Personal Identity Verification (PIV) configuration. In this document you'll find system requirements for the PIV server, as well as steps to configure your eCASE application for PIV.

Please contact <u>support@opexustech.com</u> if you need any more information, or if you encounter issues with this configuration.

1.2 System Requirements for PIV Server

The PIV server for eCASE must meet the following minimum requirements:

- Windows 2016 Server with IIS 10 server
- Install URL Rewrite and ARR IIS Modules. You can download these extensions from Microsoft web sites. Try these links: <u>https://www.iis.net/downloads/microsoft/url-</u> <u>rewrite</u>, <u>https://www.microsoft.com/en-us/download/details.aspx?id=47333</u>

2 Steps to Configure eCASE for PIV

Follow the steps in the subsections below to configure eCASE for PIV.

2.1 Take Database Backup

Follow the steps below to take a database backup:

- 1. Access the eCASE database server.
- 2. Open Microsoft SQL Server Management Studio.
- 3. Right-click the **eCASE database** and take a backup of the database.
- 4. Once the backup is complete, proceed to Section 2.2 to install the latest service pack. If the latest service pack is already applied, move to Step 2.3.

2.2 Install Latest Service Pack

Follow the steps below to install the latest Service Pack, if it is not already applied:

- 1. Access the application server where eCASE is installed as an Administrator.
- 2. Copy the eCASE v11.2.0 Latest Service Pack.
- 3. In the main root of the folder, run Hotfix.exe as an Administrator.
- 4. Provide the Backup location to take the backup of the files.
- 5. Click Apply.
- 6. Confirm that the eCASE database is backed up.
- 7. Run the installation wizard.
- 8. After the Hotfix is installed successfully, click **OK**.
- 9. Proceed to Step 3.

2.3 Install PIV Card Authentication Hotfix

Follow the steps below to install the PIV Card Authentication Hotfix:

- 1. Access the application server where eCASE is installed as an Administrator.
- 2. Add the following entries to the web.config file located in the eCASE installed directory: C:\Program Files\AINS eCase

<location path="Banner/Disclaimer.aspx">

```
<system.web>
```

<authorization>

<allow users="?" />

</authorization>

</system.web>

</location>

<location path="NoPIV.aspx">

<system.web>

<authorization>

<allow users="?" />

</authorization>

</system.web>

</location>

- 3. Next, run the eCASE Database Configuration Tool as an Administrator.
- 4. Under Application/Service, select **eCASE**.
- 5. Click Save.
- 6. Navigate to the Sign-on Mode tab.
- 7. Check the **Two-Factor Authentication** checkbox and provide the *Subject* from the SSL Certificate.
- 8. Click Save.

2.4 Install SLL Certification and Configure IIS (Single Server Option)

Follow the steps below to install the SSL certificate and configure IIS when using the option for a single server:

- 1. Install the Server Certificate into IIS and configure bindings for HTTPS on the eCASE Application Server.
- 2. Open the IIS and click **SSL Settings**.

Steps to Configure eCASE for PIV



3. Configure the settings as shown below:

connections	C C Settings	ACTIONS	
💐 - 🔚 🖄 😣 👘	Sol Settings	🛃 Apply	
Start Page	This page lets you modify the SSL settings for the content of a website or application.	Ex Cancel	
- 🧟 Application Pools	Require SSL	e Heip	
⊿ 🧃 Sites ⊿ 😜 Default Web Site	Client certificates:		
aspnet_client	○ Ignore		
⊿ 🔐 eCase	_ ○ Accept		
⊳ - Carl Admin ⊳ - Carl App_Data	Require		
⊳- <mark>⊡</mark> Banner ⊳- <mark>⊡</mark> bin			
⊳ - CollabEdit			
▷- Content			

- 4. Reset IIS.
- 2.5 Install SSL Certificate and Configure IIS (Two Servers Option)

2.5.1 Application Sever Installation

- 1. Install the Server Certificate into IIS and configure bindings for HTTPS on the eCASE Application Server.
- 2. Open the IIS and click SSL Settings.



3. Configure the settings as shown below.

File View Help			
Connections			
💐 - 🗔 🖄 🥵			
 Start Page QA-ECASE2016 (QA-ECASE2016\Administrator) Application Pools 	This page lets you modify the SSL settings for the content of a website or application Require SSL		
✓ i Sites ✓ i Sites ✓ i Site	Client certificates:		
> 🛁 aspnet_client	Ignore		
🗸 👘 eCase	⊖ Accept		
> 📲 Admin	O Require		
> 🛗 App_Data			
> 🛗 Backup			
> 🛅 Banner			
> 📲 bin			
> 🛁 CollabEdit			

4. Reset IIS.

2.5.2 PIV Server Installation

- 1. Install Server Certificate into IIS and configure bindings for HTTPS on PIV Server.
- 2. Open the IIS, and create a new web site with name URLRewrite with HTTPS binding.

Add Website	?	x
Site name: Application pool:	_	
OKLKewrite Select		
Content Directory		
Physical path:		
C:\inetpub\URLRewrite		
Pass-through authentication		
Connect as Test Settings		
Binding		
<u>Iype:</u> <u>IP address:</u> P <u>ort:</u>		
https v All Unassigned v 443		
Host name:		
Require Server <u>N</u> ame Indication		
SSL certificate:		
*.ains.com ✓ Select <u>V</u> iew		
✓ Start Website immediately		
ОК С	ancel	

3. Configure the SSL Settings and URL Rewrite rules as described in the following steps.





4. Configure the SSL Settings as shown below:



- 5. Add a Rewrite rule with Request Blocking template to abort application related traffic, except Images and Disclaimer.aspx.
- 6. Configure the URL blocking rules as shown below. Please make sure type, patterns, and Conditions and Action are configured as shown:

	Latento	ound nate			
Reques	tBlockingRul	e1			'
Match	URL				
Reque	ested URL:		Using:		
Mato	hes the Patte:	rn 🔨	Wildcar	ds	~
Patter *	r n:			—	
				Test pattern	-
🗹 Ig	nore case				
Consta	·				
Condit	l grouping:	_			0
Match	h All	~			
Input		Type	Dattern		.
		1ypc	Fattern	Add	
{URL	}	Does Not Match the Pattern	*/eCase/Banner/Disclaimer.asp	x Add	
{URL {URL	}	Does Not Match the Pattern Does Not Match the Pattern	*/eCase/Banner/Disclaimer.asp */eCase/Images/*.*	x Edit	
{URL {URL	}	Does Not Match the Pattern Does Not Match the Pattern	*/eCase/Banner/Disclaimer.asp: */eCase/Images/*.*	x Edit Remove	
{URL	}	Does Not Match the Pattern Does Not Match the Pattern	*/eCase/Banner/Disclaimer.asp */eCase/Images/*.*	x Edit Remove	
{URL	}	Does Not Match the Pattern Does Not Match the Pattern	*/eCase/Banner/Disclaimer.asp; */eCase/Images/*.*	x Edit Remove Move Up	
{URL	}	Does Not Match the Pattern Does Not Match the Pattern	*/eCase/Banner/Disclaimer.asp */eCase/Images/*.*	x Edit Remove Move Up Move Down	
{URL	}	Does Not Match the Pattern Does Not Match the Pattern	*/eCase/Banner/Disclaimer.asp */eCase/Images/*.*	x Edit Remove Move Up Move Down	
{URL {URL	} } ick capture gr	Does Not Match the Pattern Does Not Match the Pattern	*/eCase/Banner/Disclaimer.asp */eCase/Images/*.*	x Edit Remove Move Up Move Down	
{URL {URL	k } }	Does Not Match the Pattern Does Not Match the Pattern	*/eCase/Banner/Disclaimer.asp */eCase/Images/*.*	x Edit Remove Move Up Move Down	
{URL {URL URL	} } ick capture gr Variables	Does Not Match the Pattern Does Not Match the Pattern	*/eCase/Banner/Disclaimer.asp: */eCase/Images/*.*	x Edit Remove Move Up Move Down	
{URL {URL	sck capture gr Variables	Does Not Match the Pattern Does Not Match the Pattern	*/eCase/Banner/Disclaimer.asp: */eCase/Images/*.*	x Edit Remove Move Up Move Down	
{URL {URL URL	} } ick capture gr Variables	Does Not Match the Pattern Does Not Match the Pattern	*/eCase/Banner/Disclaimer.asp */eCase/Images/*.*	x Edit Remove Move Up Move Down	
{URL {URL URL Tra	v } ck capture gr Variables n type: + Peruset	Topes Not Match the Pattern Does Not Match the Pattern	*/eCase/Banner/Disclaimer.asp: */eCase/Images/*.*	x Edit Remove Move Up Move Down	 • •<

- 7. Add a Rewrite rule with Reverse Proxy template to rewrite the traffic to the application server.
- 8. Click Add Rule and enter the application server name to forward the request:

Add Reverse Proxy Rules	?	×
Inbound Rules Enter the server name or the IP address where HTTP requests will be forwarded:		
eCaseAppserver		
Example: contentserver1		
Enable SSL Offloading		
Selecting this option will forward all HTTPS requests over HTTP.		
Outbound Rules		_
Rewrite the domain names of the links in HTTP responses		
Responses that are generated by applications that are behind a reverse proxy can HTTP links that use internal domain names. These links must be updated to use domain names.	have external	
From:		
Example: contentserver1		
To:		
Example: www.contoso.com	~	
ОК	Cancel	

(!!) Note: The Request Blocking rule should be before Reverse Proxy rule. These rules will ensure only PIV requests are sent to the dedicated PIV server, and all application requests are sent to the eCASE Application server. The second server configuration provides the ability to monitor PIV server traffic and ignore the application traffic.

2.6 Set the Banner Page Location (Two Servers Option)

Run the following SQL query in the eCASE database with the proper PIV Server name to set to the banner page location:

Update EC_CONFIGURATION

SET CONFIG_VALUE='https://<pivservername>/eCase/Banner/Disclaimer.aspx'

where CONFIG_KEY='BannerPage'