

Configure the RiskVision Apache Web Server

In order to configure Apache to provide RiskVision with SAML authenticated single sign-on, the following actions must be performed:

- Copy the SAML configuration files
- Configure the `httpd.conf` file
- Configure the `httpd-ssl.conf` file
- Configure the `httpd-ssl-saml.conf` file
- Configure the `hosts` file

Once you have performed all of these actions, you should restart Apache in order for the changes to take effect.



In these technical notes, `%_AGILIANCE_HOST_NAME_%` refers to the [required](#) virtual hostname without SAML authentication, and `%_SAML_MACHINE_HOSTNAME_%` refers to the required virtual hostname with SAML authentication. For example, `%_AGILIANCE_HOST_NAME_%` could be `qa143-vendor.idcagl.com` and `%_SAML_MACHINE_HOSTNAME_%` could be `qa143.idcagl.com`.

To copy the SAML configuration files:

1. Navigate to the `%AGILIANCE_Home%\apache2\conf\SAML\extra` folder and copy the below files:
 - `httpd-ssl.conf`
 - `httpd-ssl-saml.conf`
 - `agiliance-saml.conf`
2. Paste the files into `%AGILIANCE_Home%\apache2\conf\extra`.

To configure the httpd.conf file:

1. Navigate to the `%AGILIANCE_HOME%\apache2\conf` folder and open the `httpd.conf` file using a text editor.
2. Uncomment the following line:

```
ServerName localhost:80
```

To configure the httpd-ssl.conf file:

1. Navigate to the `%AGILIANCE_HOME%\apache2\conf\extra` folder and open the `httpd-ssl.conf` file using a text editor.
2. Configure the file to listen to `%_AGILIANCE_HOST_NAME_%` and `%_SAML_MACHINE_HOSTNAME_%`:

- a. Add the following lines to the file:

```
NameVirtualHost %_AGILIANCE_HOST_NAME_%  
NameVirtualHost %_SAML_MACHINE_HOSTNAME_%
```

- b. Specify the appropriate RiskVision hostname:

```
: 443>
```

- c. Specify the server name:

```
: 443>  
# The default character set if UTF-8 AddDefaultCharset UTF-8  
ServerName <%_AGILIANCE_HOST_NAME_%>
```

- d. Uncomment the following line:

```
Include conf/extra/httpd-ssl-saml.conf
```

To configure the httpd-ssl-saml.conf file:

1. Navigate to the %AGILANCE_HOME%\apache2\conf\extra folder and open the **httpd-ssl.conf** file using a text editor.
2. Specify the hostname as shown below:

```
: 443>  
# The default character set if UTF-8 AddDefaultCharset UTF-8  
ServerName <%_SAML_MACHINE_HOSTNAME_%>  
..
```

3. Specify the Shibboleth home directory:

```
Include /etc/shibboleth/apache24.config
```

4. Enable multi-tier architecture by inputting the following:

```
ProxyPass /spc ajp://localhost:8009/spc  
ProxyPassReverse /spc ajp://localhost:8009/spc
```

To configure the hosts file:

1. Navigate to the %WinDir%\system32\drivers\etc/ folder and open the **hosts** file using a text editor.
2. Map %_SAML_MACHINE_HOSTNAME_% to %MACHINE_HOSTNAME%.