Honeywell

Pro-Watch® Software Suite

Release 4.3.5

Web Client User Guide

Ordering Information

Please contact your local Honeywell Access Systems representative or visit us on the web at http://www.honeywellintegrated.com/ for information about ordering.

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Overview 1

In this guide...

1.1 Purpose of this Document

The Pro-Watch Web Client User’s Guide provides the procedures and information necessary to install and use the Pro-Watch 4.3.5 Web Client.

1.2 Audience

This guide is written for the Pro-Watch system administrators, Pro-Watch Badging Operators, and Pro-Watch Reporting Users.

1.3 Use of Symbols

The following symbols appear in this guide:

Danger: Dangers provide information that you must follow to avoid the risk of physical injury.

Warning: Shock warnings provide information that you must follow to avoid physical injury by electrical shock.

Caution: Cautions provide information that you must follow to avoid damage to the hardware or software components of the system.

Note: Notes provide important information about a procedure or topic.

Tip: Tips provide information that maximizes the implementation of a feature.

1.4 Pro-Watch

The Pro-Watch platform is a complete access control system of hardware and software for small, mid-size, and global-enterprise sites. The user can configure sites that range from five users and 64 doors to an unlimited number of users and doors.

The Pro-Watch system supports Honeywell and third-party access control hardware and software, including panels, readers, intercom units, and CCTV equipment.

There are two interfaces available for this product:

- An application-based interface
- A browser-based interface

These interfaces support both a server component and a client component.

This guide describes how to use the browser-based interface.

For information on the application-based product, see the Pro-Watch® Software Suite Release 4.3.5 User Guide, 7-901071V13.

1.5 Pro-Watch Web Client

NOTE: After upgrading to PW 4.3.5 MVO-2, all users with web passwords must reset their passwords.

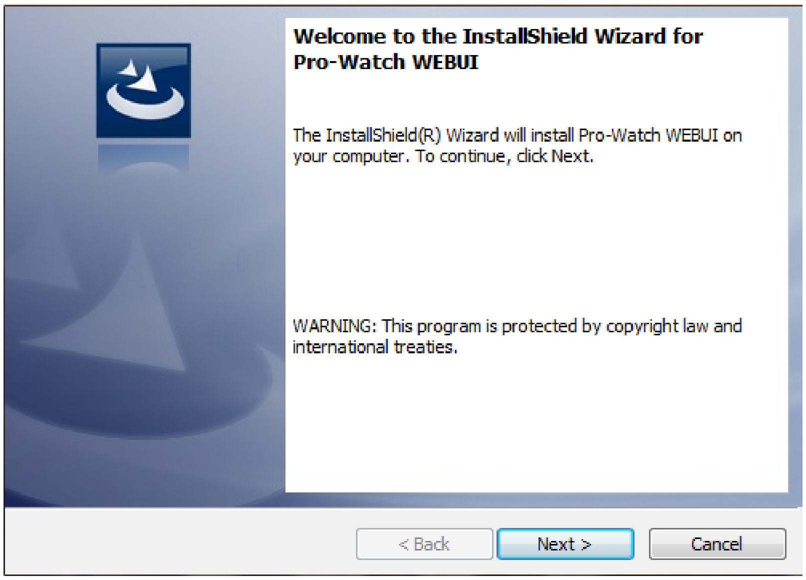
The Pro-Watch Web Client is a web based application that allows access to certain Pro-Watch functionalities remotely from any location.

The functional hierarchy of the Pro-Watch Web Client, Pro-watch Web API and Pro-watch Server are as follows:

1. The Pro-Watch Web Client sends a request to the Pro-Watch Web API.
2. The Pro-Watch Web API interacts with Pro-Watch Server and processes the request.
3. Finally the result of request is sent back to the Pro-Watch Web Client.

1.6 Pro-Watch WEBUI Installation

1. Click the installation wizard to display the Welcome screen:

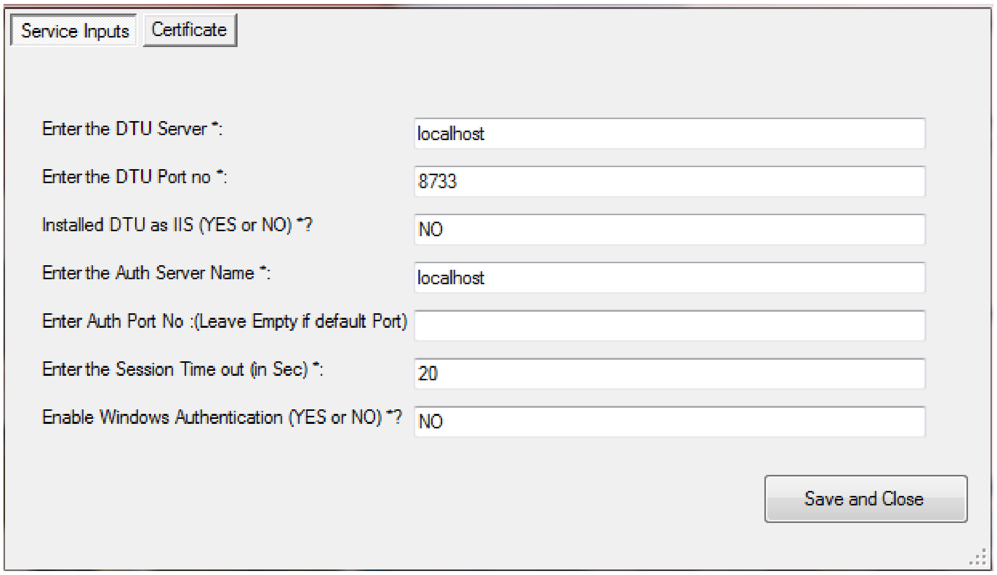


Welcome to the InstallShield Wizard for Pro-Watch WEBUI

The InstallShield(R) Wizard will install Pro-Watch WEBUI on your computer. To continue, click Next.

WARNING: This program is protected by copyright law and international treaties.

2. Click **Next** to display the **Service Inputs** tab:



Enter the DTU Server *: localhost

Enter the DTU Port no *: 8733

Installed DTU as IIS (YES or NO) *? NO

Enter the Auth Server Name *: localhost

Enter Auth Port No :(Leave Empty if default Port)

Enter the Session Time out (in Sec) *: 20

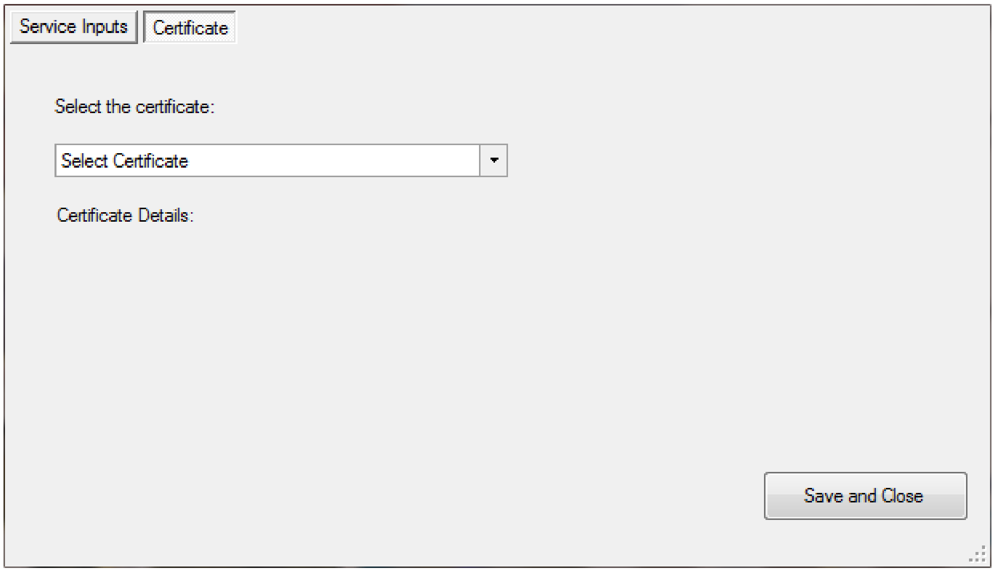
Enable Windows Authentication (YES or NO) *? NO

3. Enter the following values into the respective fields:

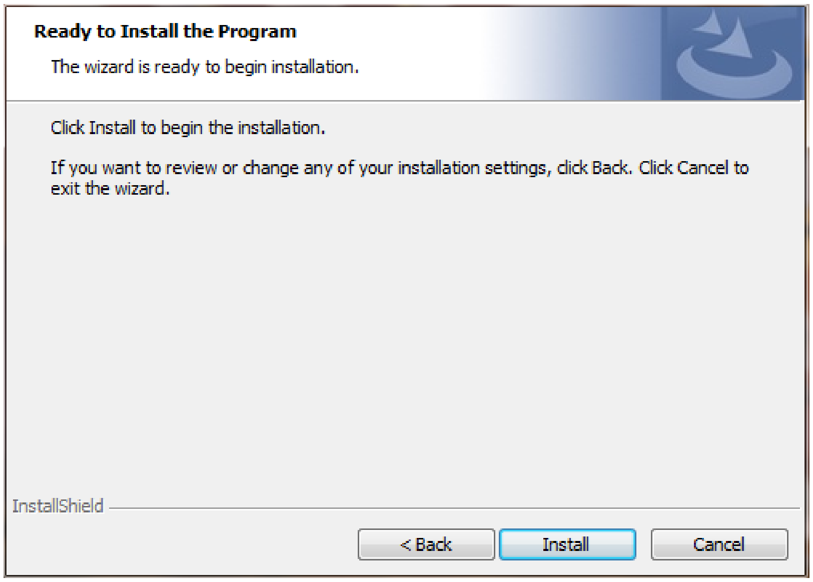
- **DTU Server**: The Hostname of the DTU Server.
- **DTU Port No**: The port number for DTU if running on self-hosted environment.
- **Installed DTU as IIS**: Enter YES or NO if DTU has been hosted in IIS Service.
- **Auth Server Name**: The Hostname of the Authentication server if the token based authentication has been installed.
- **Auth Port No**: The port No if any for the authentication server.

- **SessionTimeOut**: The time duration in seconds for the application needs to be active before signing out the user.
- **Windows Authentication**: Enter YES or NO if Windows Authentication has to be enabled for the Users instead of forms authentication.

4. Click and select the **Certificate** tab:



5. From the drop-down list, select the appropriate **Certificate** to be installed.
6. Click **Save and Close** to display the next screen:



Ready to Install the Program

The wizard is ready to begin installation.

Click Install to begin the installation.

If you want to review or change any of your installation settings, click Back. Click Cancel to exit the wizard.

7. Click **Install** to finish the installation process.

1.6.1 Problem

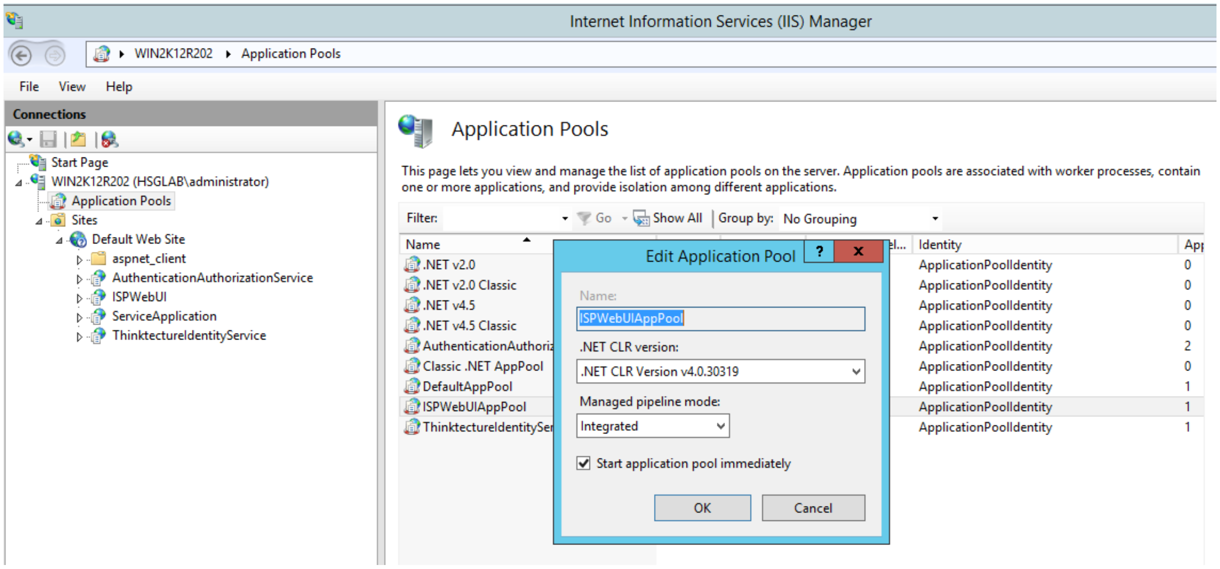
When installing PW 4.3.5 Web Component, sometimes ASP.NET will not register correctly with IIS. When trying to bring up the Login page, user will see the following error message:

"HTTP Error 500.21 **Internal Server Error**: Handler 'PageHandlerFactory-Integrated' has a bad module 'ManagedPipelineHandler' in its module list".

Reason for the error: ASP.NET may not be registered properly with Internet Information Services (IIS). User must register ASP.NET with IIS to enable the handlers required to run .NET pages.

1.6.2 Solution

1. Open the **Command Prompt** under an **Administrator** account.
2. Navigate to "C:\Windows\Microsoft.NET\Framework\v4.0.30319" .
3. Run the command "**aspnet_regiis.exe -i**".
4. Launch your **Internet Information Services (IIS) Manager**. Double-click the **Application Pools** link in the navigation sidebar. Make sure the **Pro-Watch 4.3.5 Application Pools** listed in the **Application Pools** pane display **4.6.1** version of the **.NET Framework**:



This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different applications.

Name	el...	Identity	App
.NET v2.0		ApplicationPoolIdentity	0
.NET v2.0 Classic		ApplicationPoolIdentity	0
.NET v4.5		ApplicationPoolIdentity	0
.NET v4.5 Classic		ApplicationPoolIdentity	0
AuthenticationAuthoriz		ApplicationPoolIdentity	2
Classic .NET AppPool		ApplicationPoolIdentity	0
DefaultAppPool		ApplicationPoolIdentity	1
ISPWebUIAppPool		ApplicationPoolIdentity	1
ThinktectureIdentitySer		ApplicationPoolIdentity	1

Name: ISPWebUIAppPool

.NET CLR version: .NET CLR Version v4.0.30319

Managed pipeline mode: Integrated

☑ Start application pool immediately

Close the **Internet Information Services (IIS) Manager** screen.

1.7 Workstation Permissions

1.7.1 Asterisk ("*") for Workstation Name

A workstation named "*" (one asterisk only) has to be added to the list of workstations for the Pro-Watch web user to access the web client from any workstation in the network.

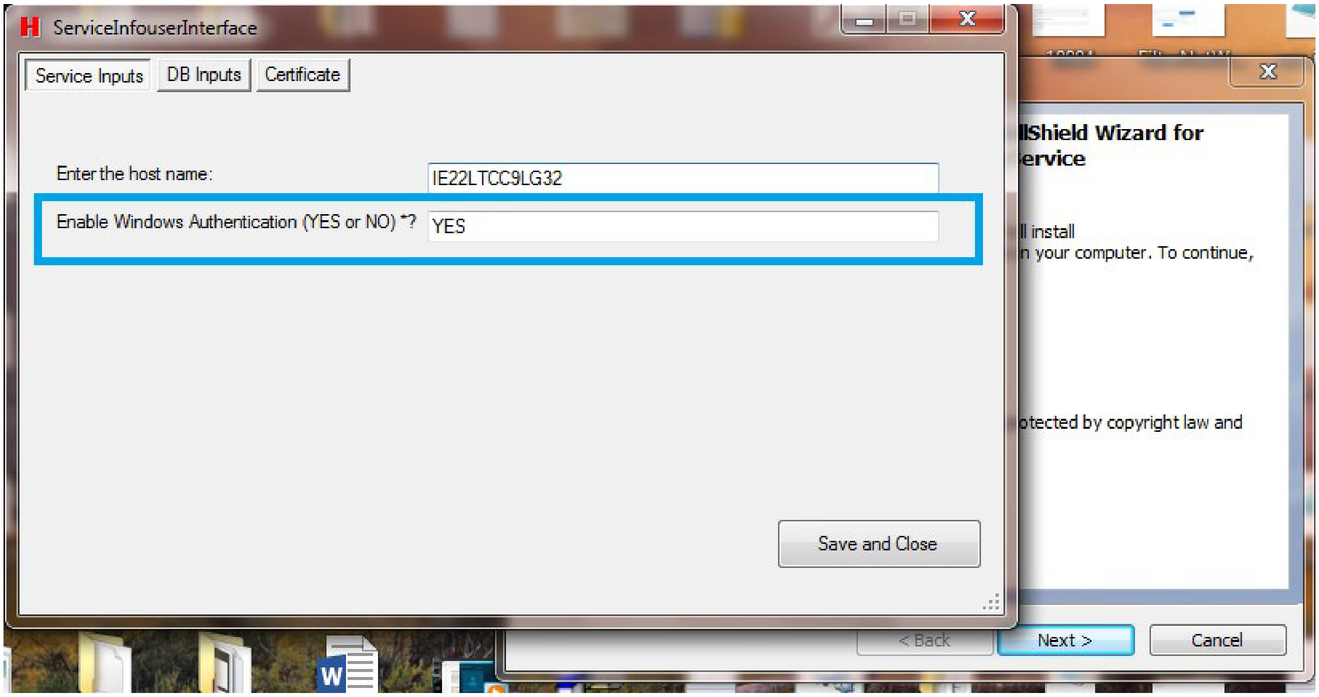
⚠ **Caution:** The user account used to install the Web Server must also have the Web Server workstation added to the list of user workstations. Failure to do this will result in all web users losing access to the web client.

1.8 Windows Authentication

The web client login requires Windows authentication.

Follow these steps to set up Windows authentication:

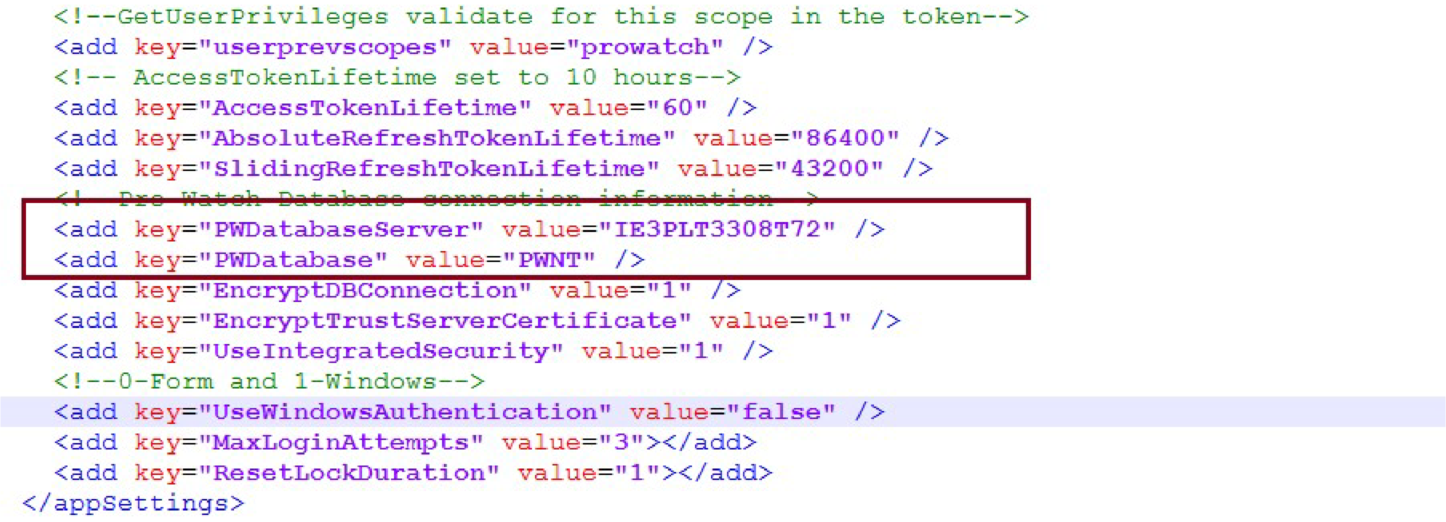
1. Install **thinktectureservice.msi** to display the **Service Info User Interface** screen:



Enter the host name: IE22LTCC9LG32

Enable Windows Authentication (YES or NO) *? YES

2. In the **Enable Windows Authentication** field, enter YES.
3. Configure the **web.config** settings for the **ThinktectureIdentityService.exe** as shown below:

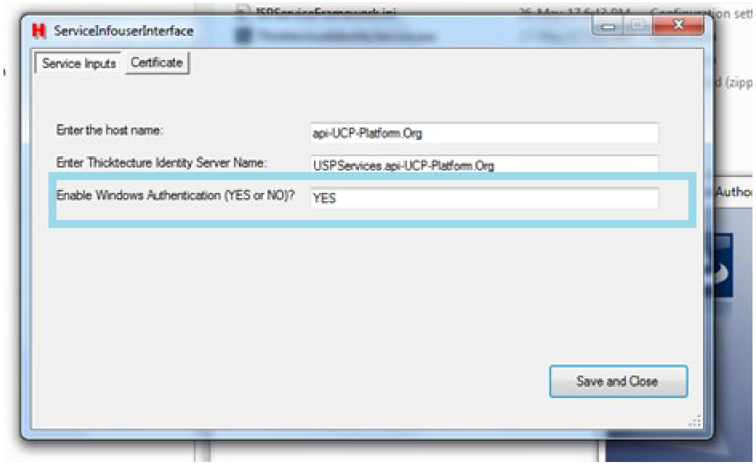


```
    <!--GetUserPrivileges validate for this scope in the token-->
    <add key="userprevscopes" value="prowatch" />
    <!-- AccessTokenLifetime set to 10 hours-->
    <add key="AccessTokenLifetime" value="60" />
    <add key="AbsoluteRefreshTokenLifetime" value="86400" />
    <add key="SlidingRefreshTokenLifetime" value="43200" />
    <!-- Pro-Watch Database connection information -->
    <add key="PWDatabaseServer" value="IE3PLT3308T72" />
    <add key="PWDatabase" value="PWNT" />
    <add key="EncryptDBConnection" value="1" />
    <add key="EncryptTrustServerCertificate" value="1" />
    <add key="UseIntegratedSecurity" value="1" />
    <!--0-Form and 1-Windows-->
    <add key="UseWindowsAuthentication" value="false" />
    <add key="MaxLoginAttempts" value="3"></add>
    <add key="ResetLockDuration" value="1"></add>
</appSettings>
```

Note:

Note: Ignore this step if the above-mentioned configuration settings are correctly updated as a part of the installation process.

4. Install **AuthenticationAuthorizationService.exe** to display the S**ervice Info User Interface** screen:



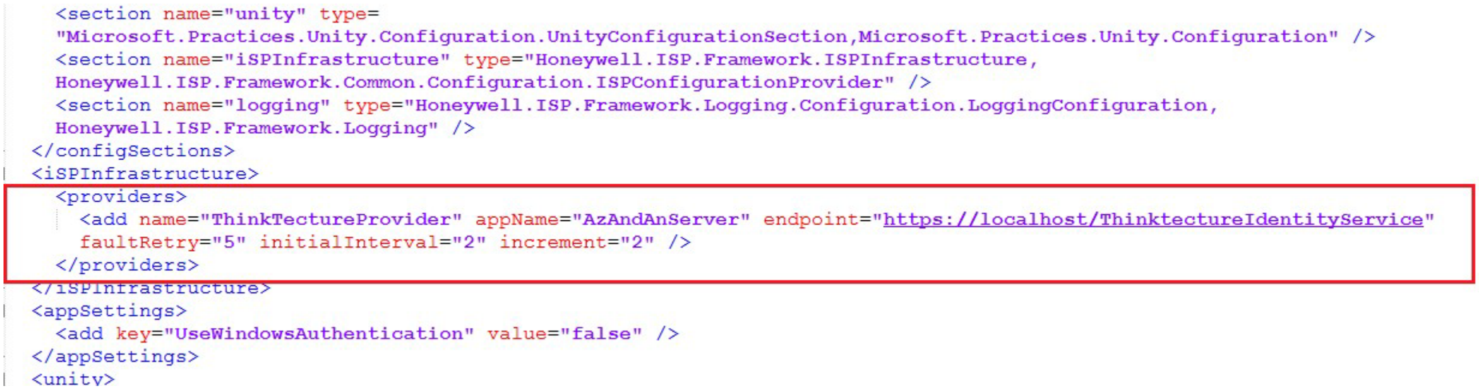
Enter the host name: api-UCP-Platform.Org

Enter Thicktecture Identity Server Name: USPServices.api-UCP-Platform.Org

Enable Windows Authentication (YES or NO)? YES

5. In the **Enable Windows Authentication** field, enter YES.

6. Configure the **web.config** settings for the **AuthenticationAuthorizationService** as shown below:



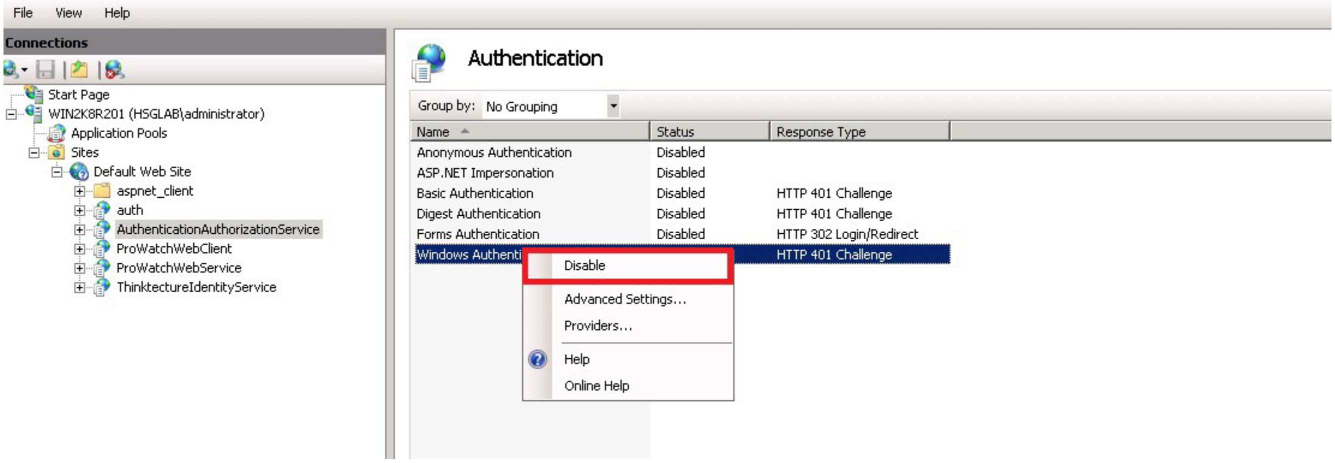
```
    <section name="unity" type=
    "Microsoft.Practices.Unity.Configuration.UnityConfigurationSection,Microsoft.Practices.Unity.Configuration" />
    <section name="iSPInfrastructure" type="Honeywell.ISP.Framework.ISPInfrastructure,
    Honeywell.ISP.Framework.Common.Configuration.ISPConfigurationProvider" />
    <section name="logging" type="Honeywell.ISP.Framework.Logging.Configuration.LoggingConfiguration,
    Honeywell.ISP.Framework.Logging" />
  </configSections>
  <iSPInfrastructure>
    <providers>
      <add name="ThinkTectureProvider" appName="AzAndAnServer" endpoint="https://localhost/ThinktectureIdentityService"
      faultRetry="5" initialInterval="2" increment="2" />
    </providers>
  </iSPInfrastructure>
  <appSettings>
    <add key="UseWindowsAuthentication" value="false" />
  </appSettings>
  <unity>
```

Note: You must provide URL of the ThinktectureIdentityService for **Auth and Auth web.config** to communicate to Thinktecture service. URL format should be same as displayed in the above screen-shot.

7. If you have selected the option for Windows Authentication, you must follow the following steps.

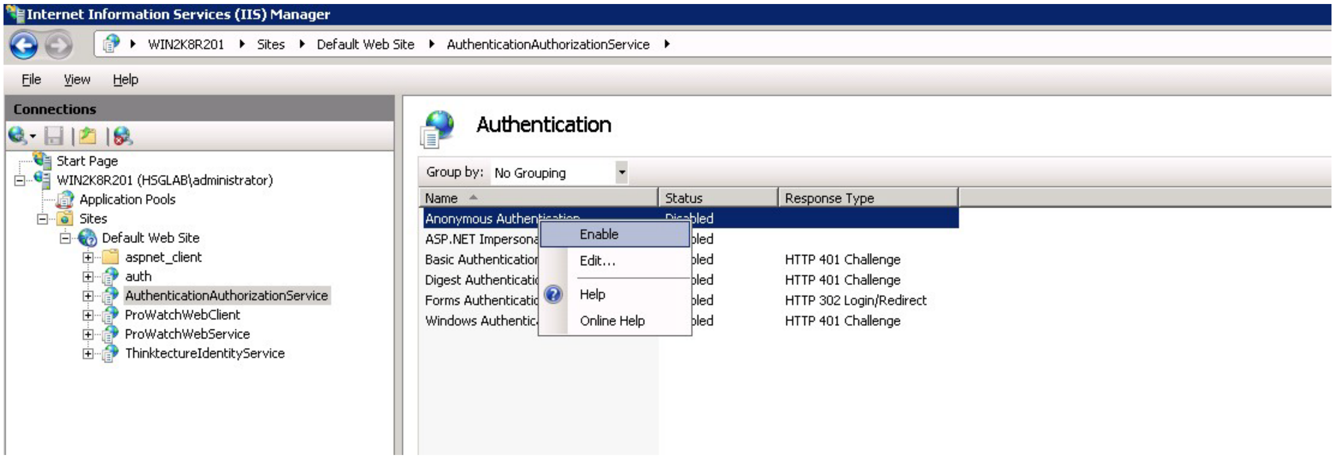
   a. Select **AuthenticationAutnorizationService** from the **inetmgr** and select **Authentication** option.

b. Right click on **Windows Authentication** and select disable:



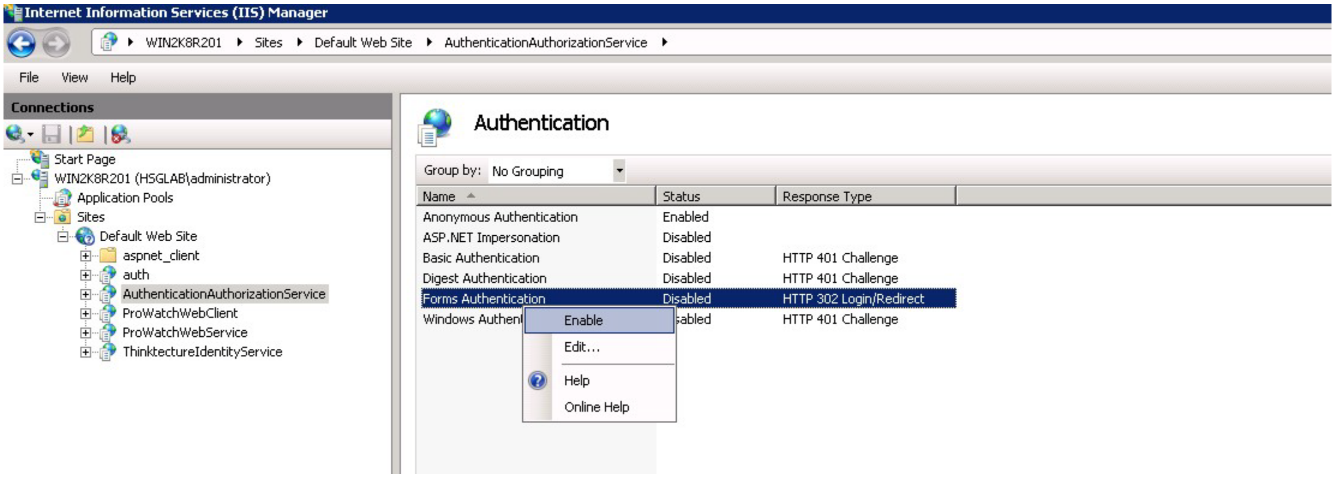
Name	Status	Response Type
Anonymous Authentication	Disabled	
ASP.NET Impersonation	Disabled	
Basic Authentication	Disabled	HTTP 401 Challenge
Digest Authentication	Disabled	HTTP 401 Challenge
Forms Authentication	Disabled	HTTP 302 Login/Redirect
Windows Authenti		HTTP 401 Challenge

c. Right click on **Anonymous Authentication** and select **Enable**:



Name	Status	Response Type
Anonymous Authentication	Disabled	
ASP.NET Imperson	bled	
Basic Authenticatio	bled	HTTP 401 Challenge
Digest Authenticati	bled	HTTP 401 Challenge
Forms Authenticati	bled	HTTP 302 Login/Redirect
Windows Authentic	bled	HTTP 401 Challenge

d. Right click on **Forms Authentication** and select **Enable**:

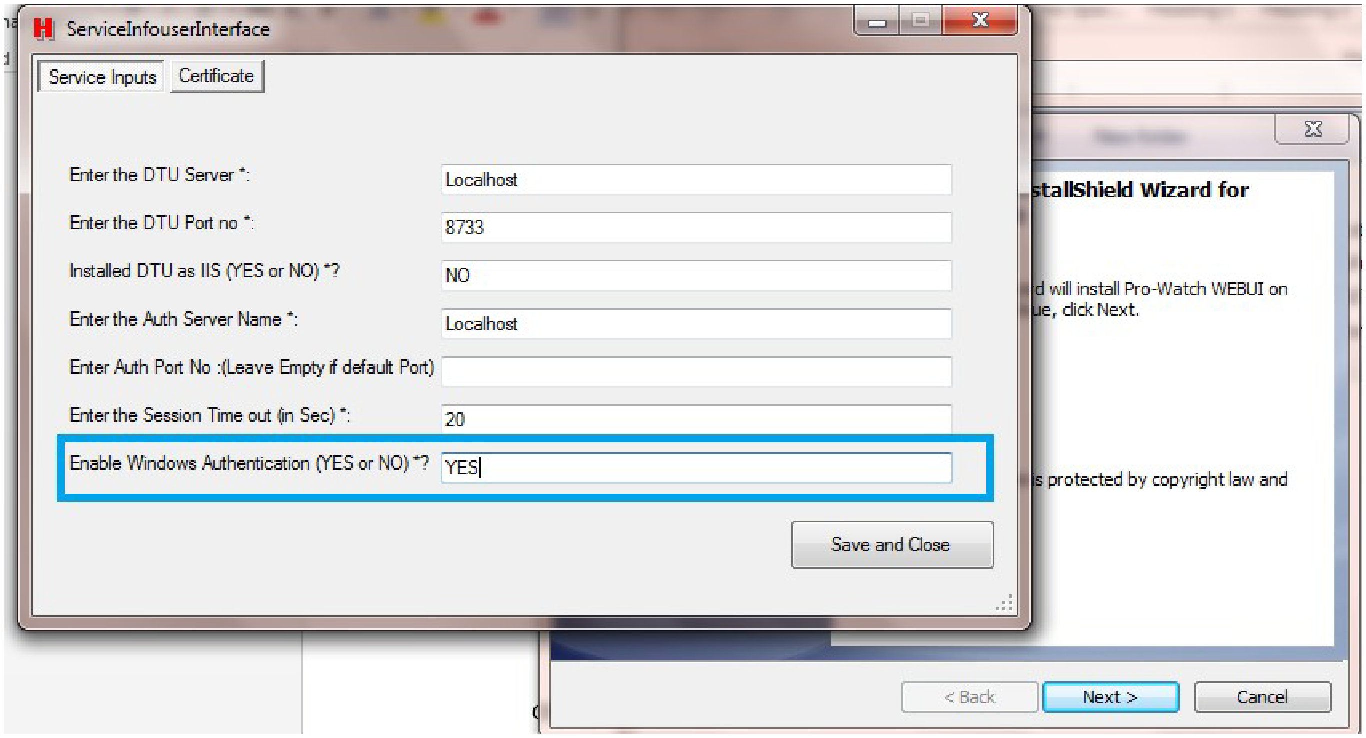


Name	Status	Response Type
Anonymous Authentication	Enabled	
ASP.NET Impersonation	Disabled	
Basic Authentication	Disabled	HTTP 401 Challenge
Digest Authentication	Disabled	HTTP 401 Challenge
Forms Authentication	Disabled	HTTP 302 Login/Redirect
Windows Authen	abled	HTTP 401 Challenge

e. Check if the folder path has '**C:\ISPLogs**' has the required permission for the users of thinktecture and auth and auth.

Note: Ignore this step if the above-mentioned configuration settings are correctly updated as a part of the installation process.

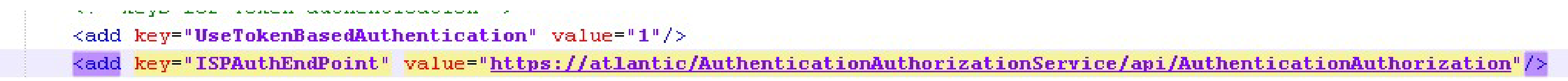
8. On Installing WebUI, enter YES in the **Enable Windows Authentication** field:



Enter the DTU Server *: Localhost
Enter the DTU Port no *: 8733
Installed DTU as IIS (YES or NO) *? NO
Enter the Auth Server Name *: Localhost
Enter Auth Port No :(Leave Empty if default Port)
Enter the Session Time out (in Sec) *: 20
Enable Windows Authentication (YES or NO) *? YES

9. Configure the **web.config** settings for the WebUI in order to communicate to **AuthenticationAuthorizationService** by following the below steps:

Note: You must provide URL of the Auth and Auth for the webui to communicate to auth and auth service. URL format should be same as displayed in the below screen-shot:



```
<add key="UseTokenBasedAuthentication" value="1"/>
<add key="ISPAuthEndPoint" value="https://atlantic/AuthenticationAuthorizationService/api/AuthenticationAuthorization"/>
```

a. Set **UseTokenBasedAuthentication** to 1.

Note: Ignore this step if the above-mentioned configuration setting is correctly updated as a part of the installation process.

b. Run the below command in command prompt:

Important Note: While running the below command, provide the correct Web application and Web site name in which Pro-Watch web UI is deployed.

```
C:\Windows\Microsoft.NET\Framework\v4.0.30319\aspnet_regiis" -pe
secureAppSettings  -app /ISPWebUI -site "Default Web Site
```

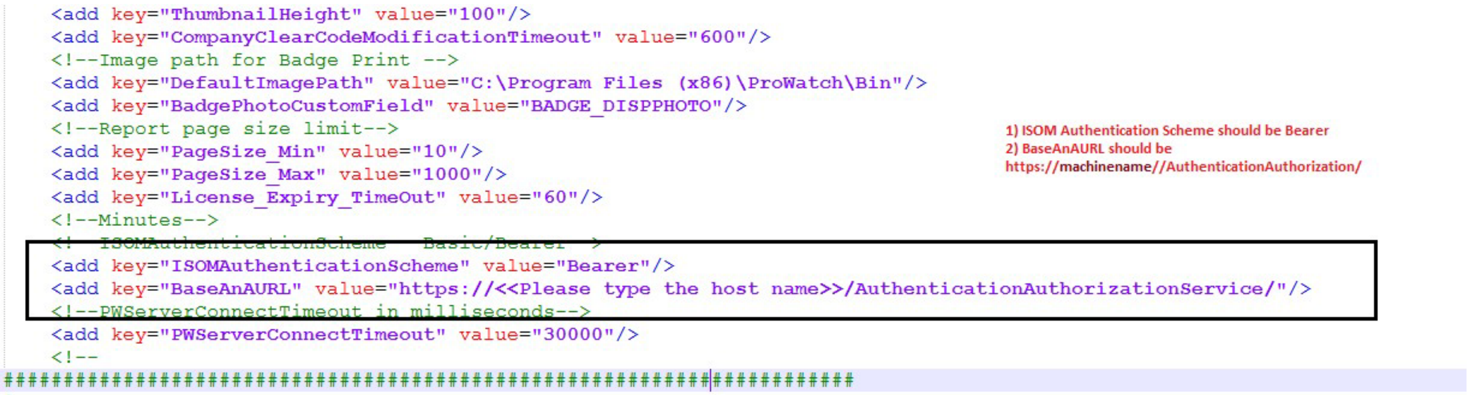
10. Configure the **PW DTU** config settings in order to communicate to **AuthenticationAuthorizationService** by following the steps below.

Important Note: DTU can be hosted in IIS or Windows Service.

- If it is IIS hosted, make below mentioned changes in " Program Files (x86)\Honeywell\UnifiedSecurityPlatform\DTU\Web.config"
- If it is Windows Service hosted, make below mentioned changes in "Program Files (x86)\Honeywell\UnifiedSecurityPlatform\DTU\Bin\PW-DTU-WinService.exe.config"

Note: You must provide URL of the Auth and Auth for the DTU to communicate to auth and auth service. URL format should be same as displayed in the below screen-shot.

Note: Set **ISOMAuthenticationScheme** to Bearer:

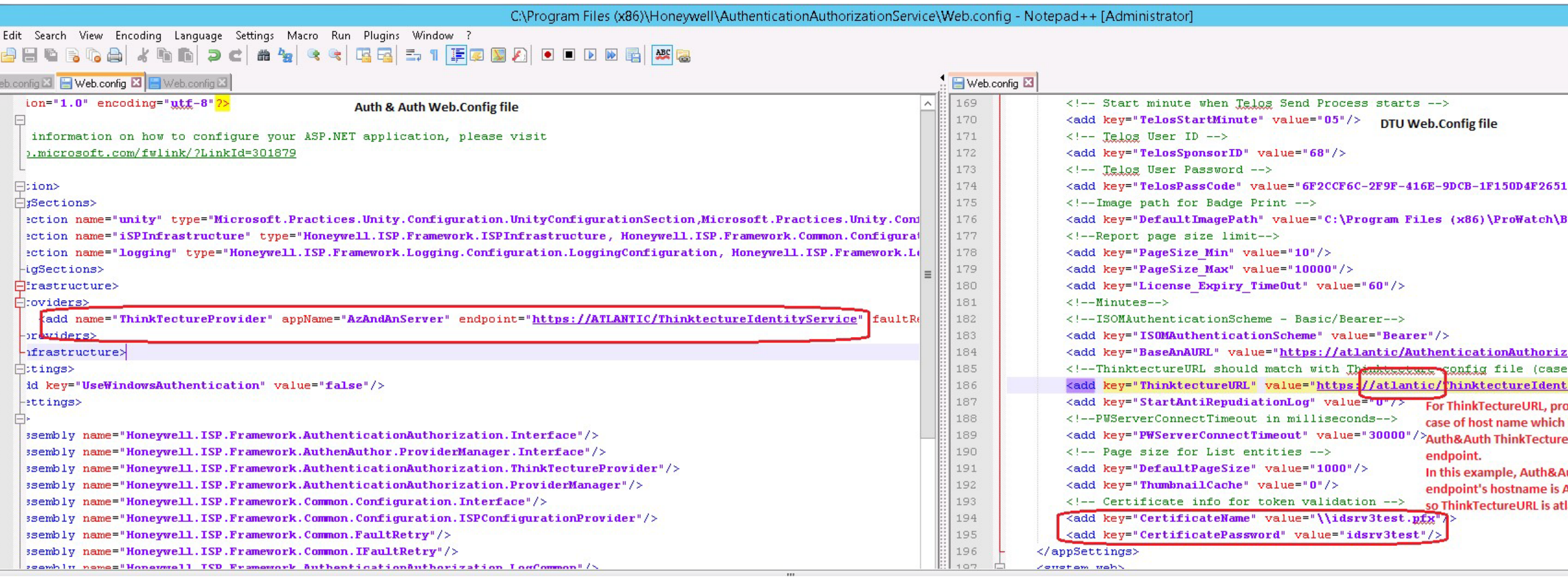


```
<add key="ThumbnailHeight" value="100"/>
<add key="CompanyClearCodeModificationTimeout" value="600"/>
<!--Image path for Badge Print -->
<add key="DefaultImagePath" value="C:\Program Files (x86)\ProWatch\Bin"/>
<add key="BadgePhotoCustomField" value="BADGE_DISPPHOTO"/>
<!--Report page size limit-->
<add key="PageSize_Min" value="10"/>
<add key="PageSize_Max" value="1000"/>
<add key="License_Expiry_TimeOut" value="60"/>
<!--Minutes-->
<!--ISOMAuthenticationScheme - Basic/Bearer -->
<add key="ISOMAuthenticationScheme" value="Bearer"/>
<add key="BaseAnAURL" value="https://<<Please type the host name>>/AuthenticationAuthorizationService/"/>
<!--PWServerConnectTimeout in milliseconds-->
<add key="PWServerConnectTimeout" value="30000"/>
<!--
#################################################################################
```

1) ISOM Authentication Scheme should be Bearer
2) BaseAnAURL should be https://machinename//AuthenticationAuthorization/

Note: Ignore this step if the above-mentioned configuration setting is correctly updated as a part of the installation process.

a. Change **ThinktectureURL** as shown in the below screen-shot:



C:\Program Files (x86)\Honeywell\AuthenticationAuthorizationService\Web.config - Notepad++ [Administrator]
Edit Search View Encoding Language Settings Macro Run Plugins Window ?
eb.config
Web.config
Web.config
Web.config

Auth & Auth Web.Config file

```
ion="1.0" encoding="utf-8"?>

 information on how to configure your ASP.NET application, please visit
).microsoft.com/fwlink/?LinkId=301879

:ion>
gSections>
ection name="unity" type="Microsoft.Practices.Unity.Configuration.UnityConfigurationSection,Microsoft.Practices.Unity.Con
ection name="iSPInfrastructure" type="Honeywell.ISP.Framework.ISPInfrastructure, Honeywell.ISP.Framework.Common.Configura
ection name="logging" type="Honeywell.ISP.Framework.Logging.Configuration.LoggingConfiguration, Honeywell.ISP.Framework.L
igSections>
frastructure>
roviders>
 <add name="ThinkTectureProvider" appName="AzAndAnServer" endpoint="https://ATLANTIC/ThinktectureIdentityService" faultR
oviders>
nfrastructure>
ttings>
dd key="UseWindowsAuthentication" value="false"/>
ettings>
>
ssembly name="Honeywell.ISP.Framework.AuthenticationAuthorization.Interface"/>
ssembly name="Honeywell.ISP.Framework.AuthenAuthor.ProviderManager.Interface"/>
ssembly name="Honeywell.ISP.Framework.AuthenticationAuthorization.ThinkTectureProvider"/>
ssembly name="Honeywell.ISP.Framework.AuthenticationAuthorization.ProviderManager"/>
ssembly name="Honeywell.ISP.Framework.Common.Configuration.Interface"/>
ssembly name="Honeywell.ISP.Framework.Common.Configuration.ISPConfigurationProvider"/>
ssembly name="Honeywell.ISP.Framework.Common.FaultRetry"/>
ssembly name="Honeywell.ISP.Framework.Common.IFaultRetry"/>
ssembly name="Honeywell.ISP.Framework.AuthenticationAuthorization.LogCommon"/>
```

DTU Web.Config file

```
        <!-- Start minute when Telos Send Process starts -->
        <add key="TelosStartMinute" value="05"/>
        <!-- Telos User ID -->
        <add key="TelosSponsorID" value="68"/>
        <!-- Telos User Password -->
        <add key="TelosPassCode" value="6F2CCF6C-2F9F-416E-9DCB-1F150D4F2651
        <!--Image path for Badge Print -->
        <add key="DefaultImagePath" value="C:\Program Files (x86)\ProWatch\B
        <!--Report page size limit-->
        <add key="PageSize_Min" value="10"/>
        <add key="PageSize_Max" value="10000"/>
        <add key="License_Expiry_TimeOut" value="60"/>
        <!--Minutes-->
        <!--ISOMAuthenticationScheme - Basic/Bearer-->
        <add key="ISOMAuthenticationScheme" value="Bearer"/>
        <add key="BaseAnAURL" value="https://atlantic/AuthenticationAuthoriz
        <!--ThinktectureURL should match with Thinktecture config file (case
        <add key="ThinktectureURL" value="https://atlantic/ThinktectureIdent
        <add key="StartAntiRepudiationLog" value="0"/>
        <!--PWServerConnectTimeout in milliseconds-->
        <add key="PWServerConnectTimeout" value="30000"/>
        <!-- Page size for List entities -->
        <add key="DefaultPageSize" value="1000"/>
        <add key="ThumbnailCache" value="0"/>
        <!-- Certificate info for token validation -->
        <add key="CertificateName" value="\\idsrv3test.pfx"/>
        <add key="CertificatePassword" value="idsrv3test"/>
    </appSettings>
    <system.web>
```

For ThinkTectureURL, pro
case of host name which
Auth&Auth ThinkTecture
endpoint.
In this example, Auth&Au
endpoint's hostname is A
so ThinkTectureURL is atl

b.

Service Name	Key	Example Settings
Auth and Auth (Web.config	ThinkTectureProvider	https://atlantic/ThinktectureIdentityService https://<MachineName>/ThinktectureIdentity Service
DTU (Web.config) for IIS PW-DTU-WinService.exe.config - windows service	ThinktectureURL	https://atlantic/ThinktectureIdentityService https://<MachineName **in LOWER CASE** >/ThinktectureIdentityService

Important Note: If token based authentication is used, then it is essential to set up Dynamic IP Restrictions.

c. Restart IIS and log in.

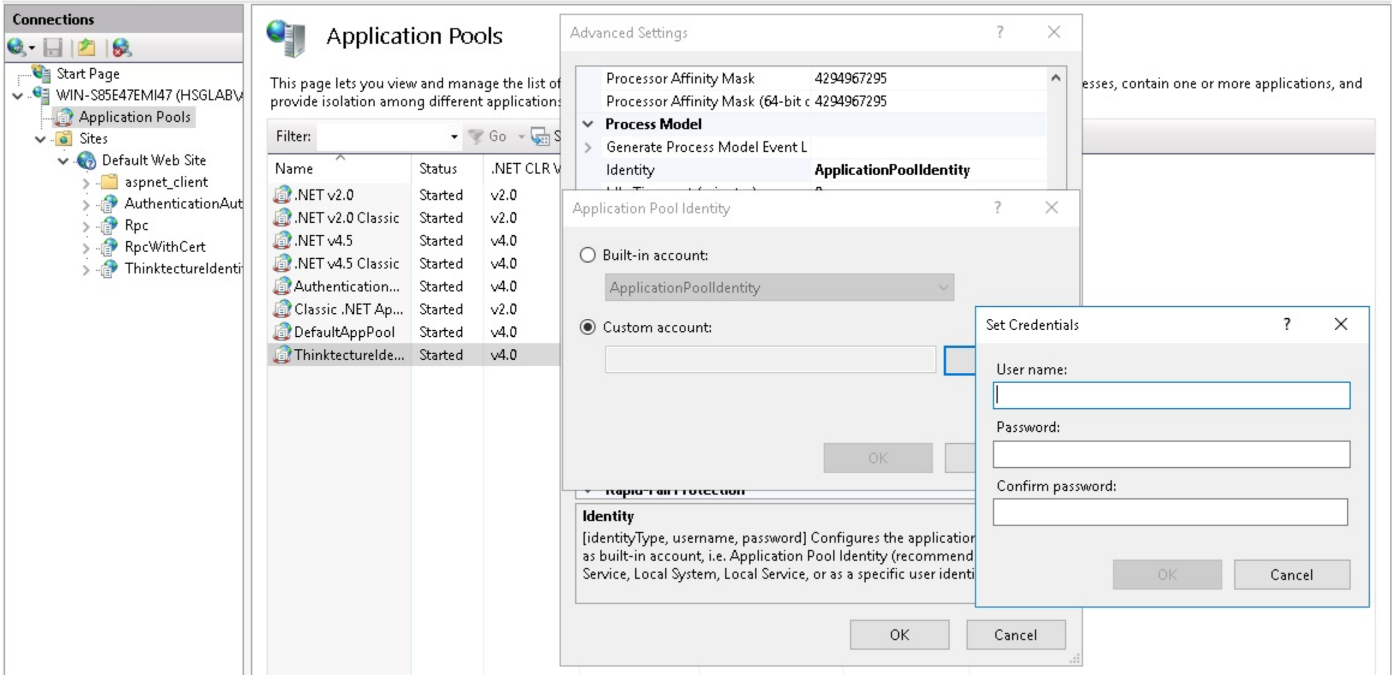
11. **OPTIONAL**: After configuring the end to end setup, confirm that the sql server is added with IIS Application pool identity login.

```
USE master

GO

/*

* Add login or apppool to Server Role

*/

sp_addsrvrolemember @loginame = [IIS
APPPOOL\ThinktectureIdentityService], @rolename =
[sysadmin]

GO

/*

* Add login or apppool to Server Role

*/

sp_dropsrvrolemember @loginame = [IIS
APPPOOL\ThinktectureIdentityService], @rolename =
[sysadmin]

GO
```

12. Sometimes Thinktecture Identity Service cannot connect to SQL with built-in account user, hence we may need to set the Custom account as below.

    a. i)Go to **Application Pool Identity** of "ThinktectureIdentityService"

b. ii)Set the **Required User** credentials under **Custom** account:



Application Pools

This page lets you view and manage the list of ... esses, contain one or more applications, and provide isolation among different applications

Name	Status	.NET CLR V
.NET v2.0	Started	v2.0
.NET v2.0 Classic	Started	v2.0
.NET v4.5	Started	v4.0
.NET v4.5 Classic	Started	v4.0
Authentication...	Started	v4.0
Classic .NET Ap...	Started	v2.0
DefaultAppPool	Started	v4.0
ThinktectureIde...	Started	v4.0

Advanced Settings

Processor Affinity Mask	4294967295
Processor Affinity Mask (64-bit c	4294967295
Process Model	
Generate Process Model Event L	
Identity	**ApplicationPoolIdentity**

Identity
[identityType, username, password] Configures the applicatior as built-in account, i.e. Application Pool Identity (recommend Service, Local System, Local Service, or as a specific user identi

Application Pool Identity

○ Built-in account:
ApplicationPoolIdentity

● Custom account:

Set Credentials

User name:

Password:

Confirm password:

1.8.1 Troubleshooting - Inability to Log In

Try the following if you are not able to log in.

1. Refer to the file site.log in the Web.UI directory example.

Example : C:\Program Files (x86)\HONEYWELL\UnifiedSecurityPlatform\Web\WEBUI

2. If you get the error

"Response status code does not indicate success: 401 (Unauthorized)"

DTU has not been configured properly revisit Point 10.

3. Check if you have updated the config file web.config when IIS has been deployed in IIS mode and PW-DTU-WinService.exe.config if dtu has been deployed in windows Service mode.
4. Make sure the url key - ThinktectureURL the machine name is mentioned in lower host.
5. In case in site.log you do not get a token then please check the web.config file of Web.UI look at the key

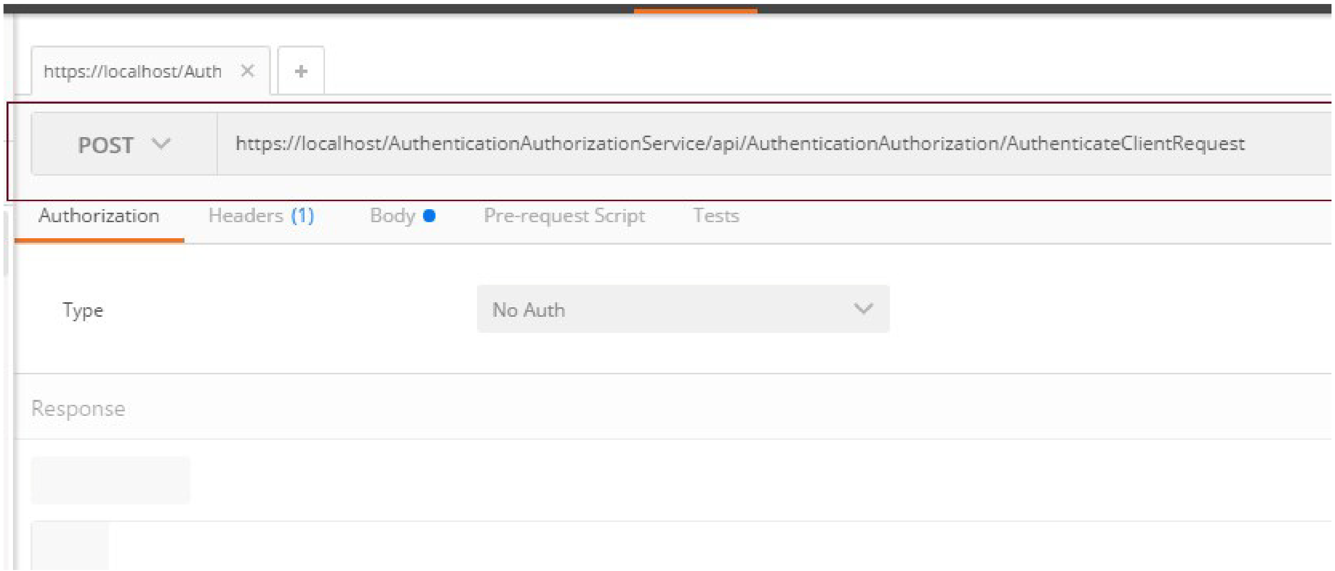
web.config ISPAuthEndPoint if it is mentioned in step 9 above, in section Windows Authentication, page 11.

1.8.2 Troubleshooting - Validate the Auth and Auth Service

This is required only if you have issues with the installation.

Postman can be used to validate the Auth and Auth service.

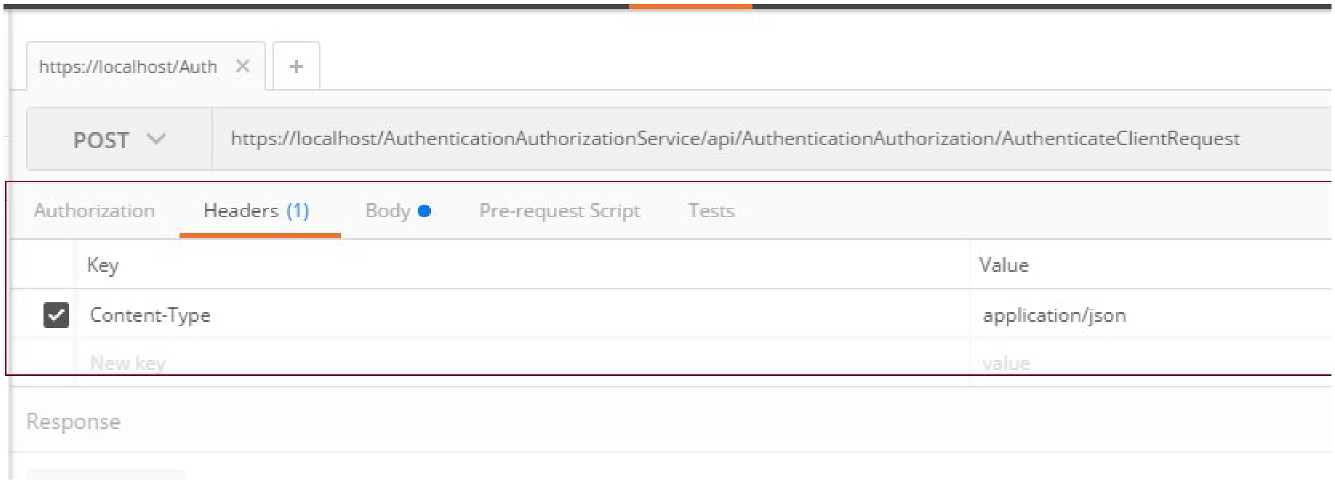
1. Select appropriate request type and type Auth & Auth url as shown below:



POST https://localhost/AuthenticationAuthorizationService/api/AuthenticationAuthorization/AuthenticateClientRequest

Type: No Auth

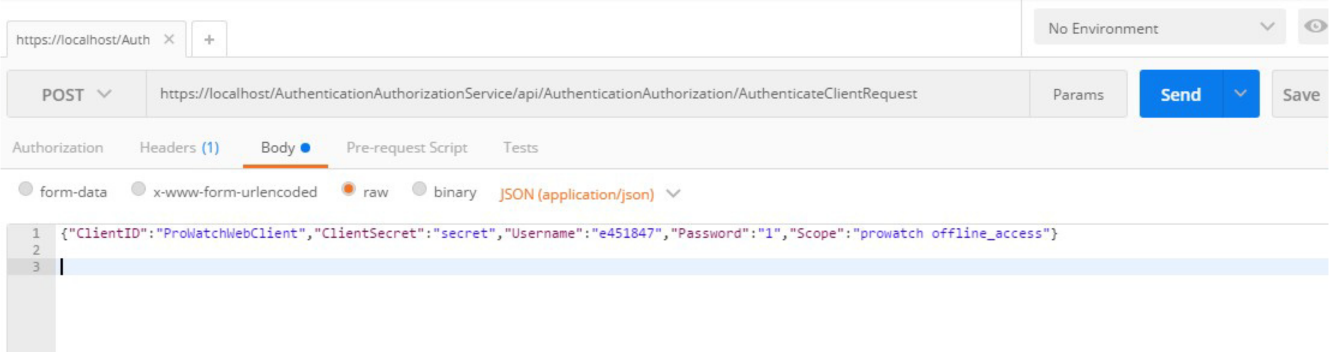
2. Enter the header details as shown below:



POST https://localhost/AuthenticationAuthorizationService/api/AuthenticationAuthorization/AuthenticateClientRequest

	Key	Value
☑	Content-Type	application/json

3. Enter the payload details and click **Send**:



POST https://localhost/AuthenticationAuthorizationService/api/AuthenticationAuthorization/AuthenticateClientRequest

```
{"ClientID":"ProWatchWebClient","ClientSecret":"secret","Username":"e451847","Password":"1","Scope":"prowatch offline_access"}
```

1.8.3 Troubleshooting – “Your connection is not private” Warning Message

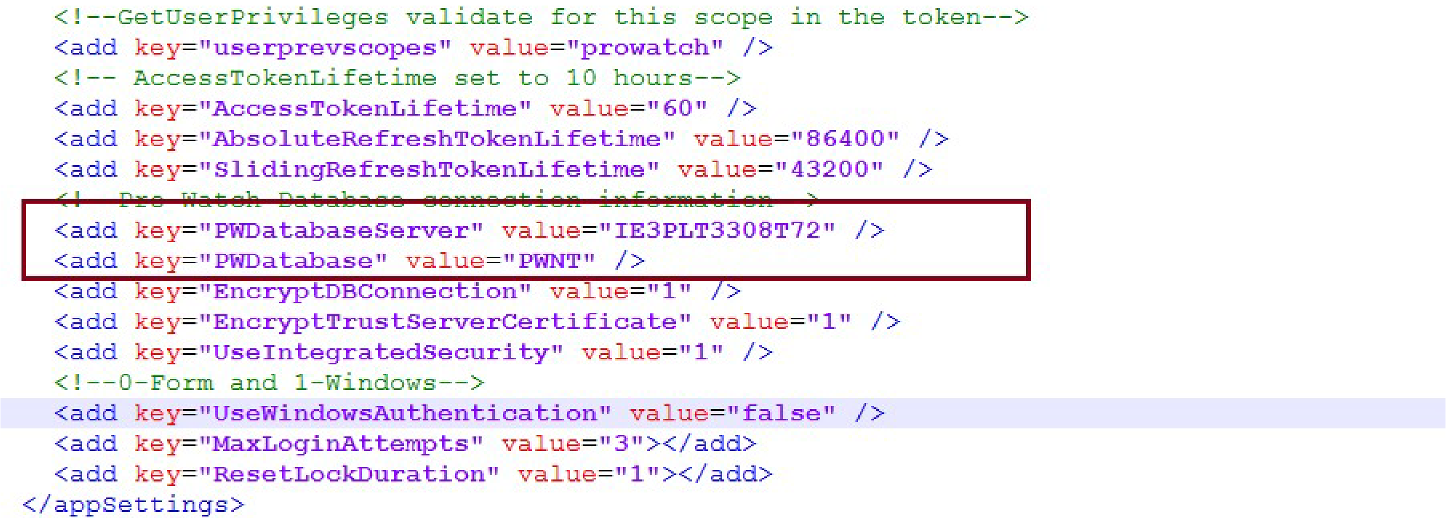
If you get the warning message "Your connection is not private" and you are not able to proceed, see **Appendix A, Troubleshooting**, page 93**.**

1.9 Token-Based Authentication

Token-based authentication uses the same user name and web password set in Pro-Watch. This mode is not supported if the mobile app is using the DTU.

Note: Token-based authentication can be used separately, independent of the window-based authentication.

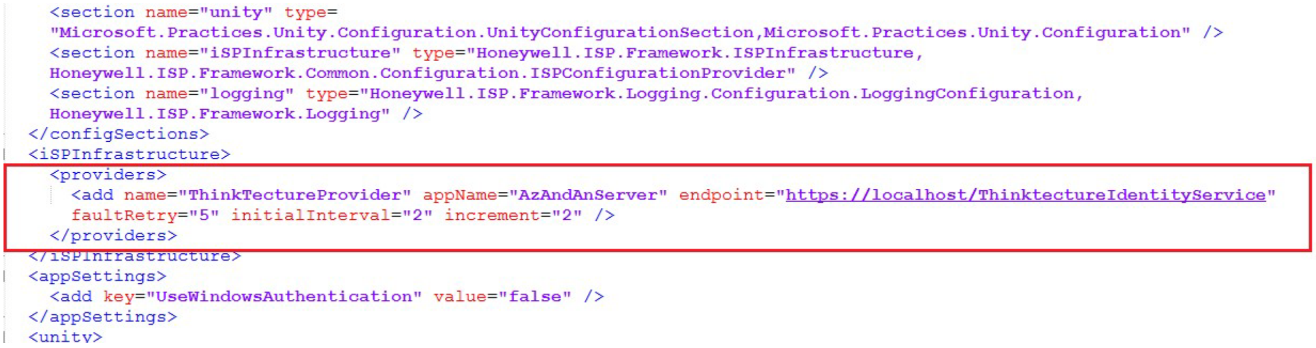
1. Install **thinktectureservice.msi.**
2. Enter "**YES**" to **Enable Windows Authentication** or **'NO'** not to use windows integrated authentication.
3. Configure the **web.config settings** for the **ThinktectureIdentityService.exe** as shown below:



```
  <!--GetUserPrivileges validate for this scope in the token-->
  <add key="userprevscopes" value="prowatch" />
  <!-- AccessTokenLifetime set to 10 hours-->
  <add key="AccessTokenLifetime" value="60" />
  <add key="AbsoluteRefreshTokenLifetime" value="86400" />
  <add key="SlidingRefreshTokenLifetime" value="43200" />
  <!--Pro-Watch Database connection information-->
  <add key="PWDatabaseServer" value="IE3PLT3308T72" />
  <add key="PWDatabase" value="PWNT" />
  <add key="EncryptDBConnection" value="1" />
  <add key="EncryptTrustServerCertificate" value="1" />
  <add key="UseIntegratedSecurity" value="1" />
  <!--0-Form and 1-Windows-->
  <add key="UseWindowsAuthentication" value="false" />
  <add key="MaxLoginAttempts" value="3"></add>
  <add key="ResetLockDuration" value="1"></add>
</appSettings>
```

Note: Ignore the above step if the above-mentioned configuration setting is correctly updated as a part of the installation process.

Note: You must provide URL of the ThinktectureIdentityService for Auth and Auth to communicate to Thinktecture service. URL format should be same as displayed in the below screen-shot.:

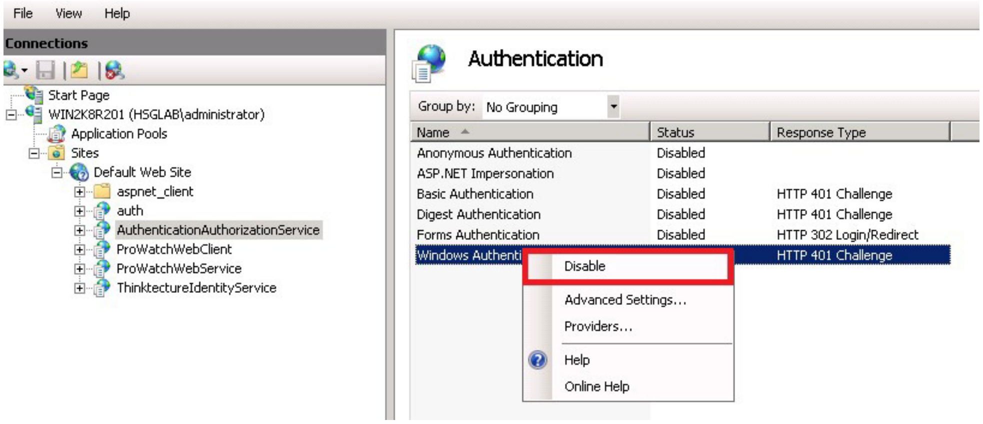


```
    <section name="unity" type=
    "Microsoft.Practices.Unity.Configuration.UnityConfigurationSection,Microsoft.Practices.Unity.Configuration" />
    <section name="iSPInfrastructure" type="Honeywell.ISP.Framework.ISPInfrastructure,
    Honeywell.ISP.Framework.Common.Configuration.ISPConfigurationProvider" />
    <section name="logging" type="Honeywell.ISP.Framework.Logging.Configuration.LoggingConfiguration,
    Honeywell.ISP.Framework.Logging" />
  </configSections>
  <iSPInfrastructure>
    <providers>
      <add name="ThinkTectureProvider" appName="AzAndAnServer" endpoint="https://localhost/ThinktectureIdentityService"
      faultRetry="5" initialInterval="2" increment="2" />
    </providers>
  </iSPInfrastructure>
  <appSettings>
    <add key="UseWindowsAuthentication" value="false" />
  </appSettings>
  <unity>
```

4. If the option for Windows Authentication has been selected, follow the following steps:

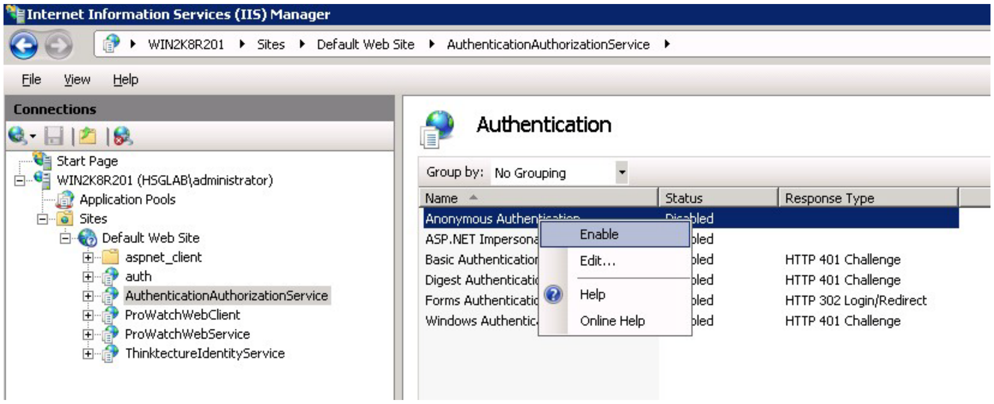
a. Select **AuthenticationAutnorizationService** from the **inetmgr** and select **Authentication** option.

b. Right click on **Windows Authentication** and select **Disable**:



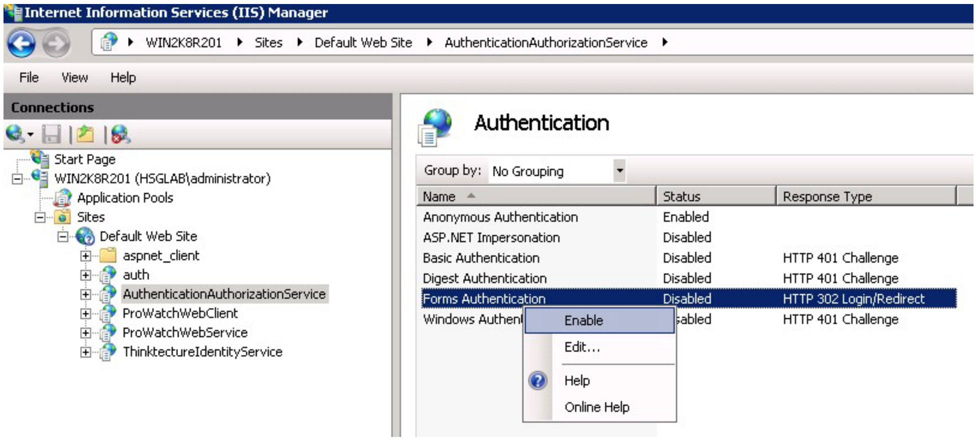
Name	Status	Response Type
Anonymous Authentication	Disabled	
ASP.NET Impersonation	Disabled	
Basic Authentication	Disabled	HTTP 401 Challenge
Digest Authentication	Disabled	HTTP 401 Challenge
Forms Authentication	Disabled	HTTP 302 Login/Redirect
Windows Authenti		HTTP 401 Challenge

c. Right click on **Anonymous Authentication** and select **Disable**:


Internet Information Services (IIS) Manager
WIN2K8R201 ▸ Sites ▸ Default Web Site ▸ AuthenticationAuthorizationService ▸
File
View
Help
Connections
Start Page
WIN2K8R201 (HSGLAB\administrator)
Application Pools
Sites
Default Web Site
aspnet_client
auth
AuthenticationAuthorizationService
ProWatchWebClient
ProWatchWebService
ThinktectureIdentityService
Authentication
Group by: No Grouping
Enable
Edit...
Help
Online Help

Name	Status	Response Type
Anonymous Authentication	Disabled	
ASP.NET Impersona	bled	
Basic Authenticatio	bled	HTTP 401 Challenge
Digest Authenticati	bled	HTTP 401 Challenge
Forms Authenticatio	bled	HTTP 302 Login/Redirect
Windows Authentic	bled	HTTP 401 Challenge

d. Right click on **Forms Authentication** and select **Enable**:

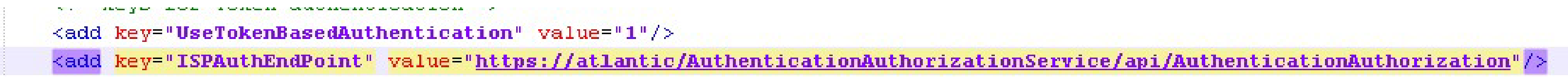

Internet Information Services (IIS) Manager
WIN2K8R201 ▸ Sites ▸ Default Web Site ▸ AuthenticationAuthorizationService ▸
File
View
Help
Connections
Start Page
WIN2K8R201 (HSGLAB\administrator)
Application Pools
Sites
Default Web Site
aspnet_client
auth
AuthenticationAuthorizationService
ProWatchWebClient
ProWatchWebService
ThinktectureIdentityService
Authentication
Group by: No Grouping
Enable
Edit...
Help
Online Help

Name	Status	Response Type
Anonymous Authentication	Enabled	
ASP.NET Impersonation	Disabled	
Basic Authentication	Disabled	HTTP 401 Challenge
Digest Authentication	Disabled	HTTP 401 Challenge
Forms Authentication	Disabled	HTTP 302 Login/Redirect
Windows Authen	abled	HTTP 401 Challenge

e. Check if the Folder path “**C:\ISPLogs**” has the required permission.

Note: Ignore the above-mentioned configuration settings if they are correctly updated as a part of the installation process.

5. Configure the web.config settings for the **WebUI** in order to communicate to **AuthenticationAuthorizationService**. Below are the details,
    - Need to provide URL of the Auth and Auth for the webui to communicate to auth and auth service. Note that, URL format should be same as mentioned in the below screen-shot.
    - Set **TokenBasedAuthentication** to **1**.



```
<add key="UseTokenBasedAuthentication" value="1"/>
<add key="ISPAuthEndPoint" value="https://atlantic/AuthenticationAuthorizationService/api/AuthenticationAuthorization"/>
```

Note: Ignore the above-mentioned configuration setting if it is correctly updated as a part of the installation process.

a. Run the below command in command prompt.

Important Note: **While running the below command, provide the correct Web application and Web site name in which Pro-Watch web UI is deployed.**

```
"C:\Windows\Microsoft.NET\Framework\v4.0.30319\aspnet_regii
s" -pe secureAppSettings  -app /ISPWebUI -site "Default Web
Site"
```

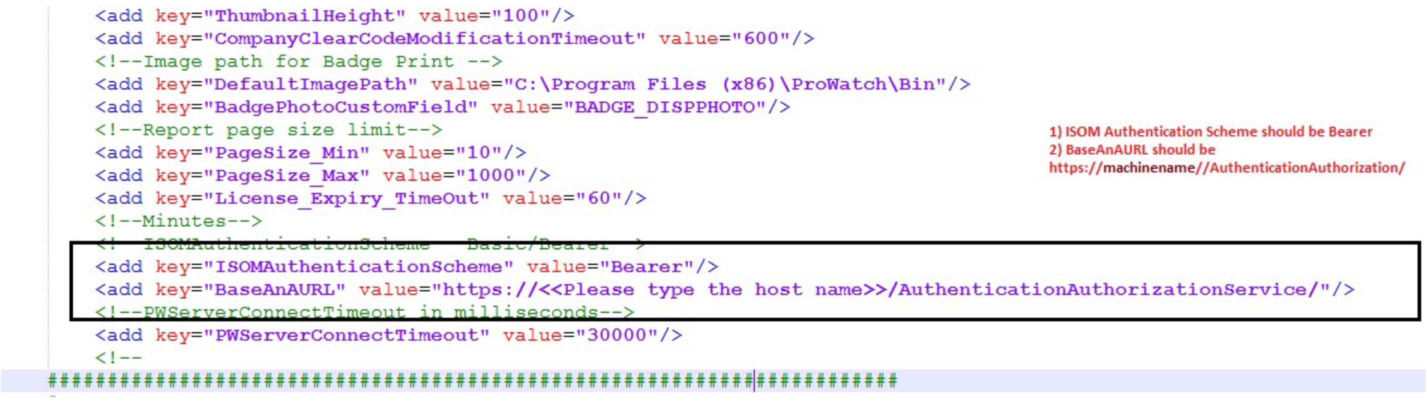
Important Note:

DTU can be hosted in IIS or Windows Service.

If it is IIS hosted, make below mentioned changes in " Program Files (x86)\Honeywell\UnifiedSecurityPlatform\DTU\Web.config"

If it is Windows Service hosted, make below mentioned changes in "Program Files (x86)\Honeywell\UnifiedSecurityPlatform\DTU\Bin\PW-DTU-WinService.exe.config"

6. Configure the PW DTU config settings in order to communicate to **AuthenticationAuthorizationService**. Below are the details,:
    - Need to provide URL of the Auth and Auth for the DTU to communicate to auth and auth service. Note that, URL format should be same as mentioned in the below screenshot.
    - Set **ISOMAuthenticationScheme** to Bearer.

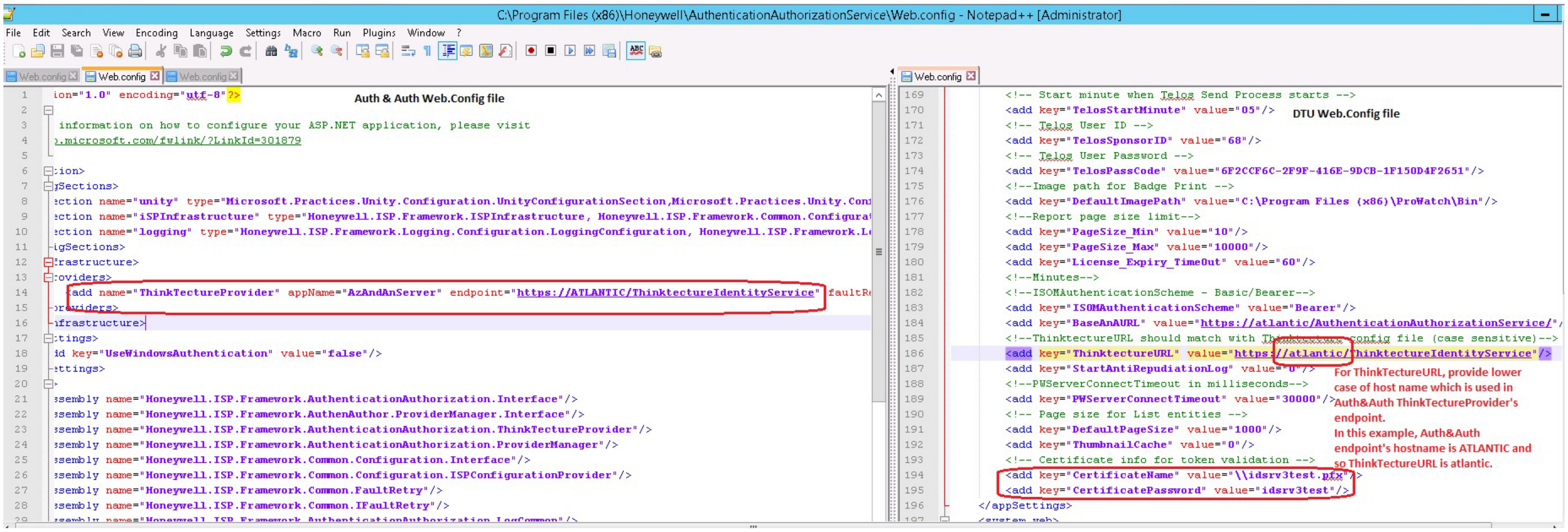


```
<add key="ThumbnailHeight" value="100"/>
<add key="CompanyClearCodeModificationTimeout" value="600"/>
<!--Image path for Badge Print -->
<add key="DefaultImagePath" value="C:\Program Files (x86)\ProWatch\Bin"/>
<add key="BadgePhotoCustomField" value="BADGE_DISPPHOTO"/>
<!--Report page size limit-->
<add key="PageSize_Min" value="10"/>
<add key="PageSize_Max" value="1000"/>
<add key="License_Expiry_TimeOut" value="60"/>
<!--Minutes-->
<!--ISOMAuthenticationScheme - Basic/Bearer-->
<add key="ISOMAuthenticationScheme" value="Bearer"/>
<add key="BaseAnAURL" value="https://<<Please type the host name>>/AuthenticationAuthorizationService/"/>
<!--PWServerConnectTimeout in milliseconds-->
<add key="PWServerConnectTimeout" value="30000"/>
<!--
########################################################################
```

1) ISOM Authentication Scheme should be Bearer
2) BaseAnAURL should be https://machinename//AuthenticationAuthorization/

Note: Ignore the above-mentioned configuration setting if it is correctly updated as a part of the installation process.

a. Change **ThinktectureURL** as shown in the below screen-shot:



C:\Program Files (x86)\Honeywell\AuthenticationAuthorizationService\Web.config - Notepad++ [Administrator]

Auth & Auth Web.Config file

```
ion="1.0" encoding="utf-8"?>

 information on how to configure your ASP.NET application, please visit
).microsoft.com/fwlink/?LinkId=301879

:ion>
jSections>
ection name="unity" type="Microsoft.Practices.Unity.Configuration.UnityConfigurationSection,Microsoft.Practices.Unity.Con
ection name="iSPInfrastructure" type="Honeywell.ISP.Framework.ISPInfrastructure, Honeywell.ISP.Framework.Common.Configura
ection name="logging" type="Honeywell.ISP.Framework.Logging.Configuration.LoggingConfiguration, Honeywell.ISP.Framework.L
igSections>
frastructure>
:oviders>
  <add name="ThinkTectureProvider" appName="AzAndAnServer" endpoint="https://ATLANTIC/ThinktectureIdentityService" faultRe
providers>
nfrastructure>
:tings>
dd key="UseWindowsAuthentication" value="false"/>
ettings>
>
ssembly name="Honeywell.ISP.Framework.AuthenticationAuthorization.Interface"/>
ssembly name="Honeywell.ISP.Framework.AuthenAuthor.ProviderManager.Interface"/>
ssembly name="Honeywell.ISP.Framework.AuthenticationAuthorization.ThinkTectureProvider"/>
ssembly name="Honeywell.ISP.Framework.AuthenticationAuthorization.ProviderManager"/>
ssembly name="Honeywell.ISP.Framework.Common.Configuration.Interface"/>
ssembly name="Honeywell.ISP.Framework.Common.Configuration.ISPConfigurationProvider"/>
ssembly name="Honeywell.ISP.Framework.Common.FaultRetry"/>
ssembly name="Honeywell.ISP.Framework.Common.IFaultRetry"/>
ssembly name="Honeywell.ISP.Framework.AuthenticationAuthorization.LogCommon"/>
```

DTU Web.Config file

```
<!-- Start minute when Telos Send Process starts -->
<add key="TelosStartMinute" value="05"/>
<!-- Telos User ID -->
<add key="TelosSponsorID" value="68"/>
<!-- Telos User Password -->
<add key="TelosPassCode" value="6F2CCF6C-2F9F-416E-9DCB-1F150D4F2651"/>
<!--Image path for Badge Print -->
<add key="DefaultImagePath" value="C:\Program Files (x86)\ProWatch\Bin"/>
<!--Report page size limit-->
<add key="PageSize_Min" value="10"/>
<add key="PageSize_Max" value="10000"/>
<add key="License_Expiry_TimeOut" value="60"/>
<!--Minutes-->
<!--ISOMAuthenticationScheme - Basic/Bearer-->
<add key="ISOMAuthenticationScheme" value="Bearer"/>
<add key="BaseAnAURL" value="https://atlantic/AuthenticationAuthorizationService/"/
<!--ThinktectureURL should match with Thinktecture config file (case sensitive)-->
<add key="ThinktectureURL" value="https://atlantic/ThinktectureIdentityService"/>
<add key="StartAntiRepudiationLog" value="0"/>
<!--PWServerConnectTimeout in milliseconds-->
<add key="PWServerConnectTimeout" value="30000"/>
<!-- Page size for List entities -->
<add key="DefaultPageSize" value="1000"/>
<add key="ThumbnailCache" value="0"/>
<!-- Certificate info for token validation -->
<add key="CertificateName" value="\\idsrv3test.pfx"/>
<add key="CertificatePassword" value="idsrv3test"/>
</appSettings>
<system.web>
```

For ThinkTectureURL, provide lower case of host name which is used in Auth&Auth ThinkTectureProvider's endpoint.
In this example, Auth&Auth endpoint's hostname is ATLANTIC and so ThinkTectureURL is atlantic.

Important Note: **If token based authentication is used, you must set up Dynamic IP Restrictions.**

b. Restart IIS and log in.

7. (Optional) After configuring the end to end setup, confirm that the sql server is added with IIS Application pool identity login.

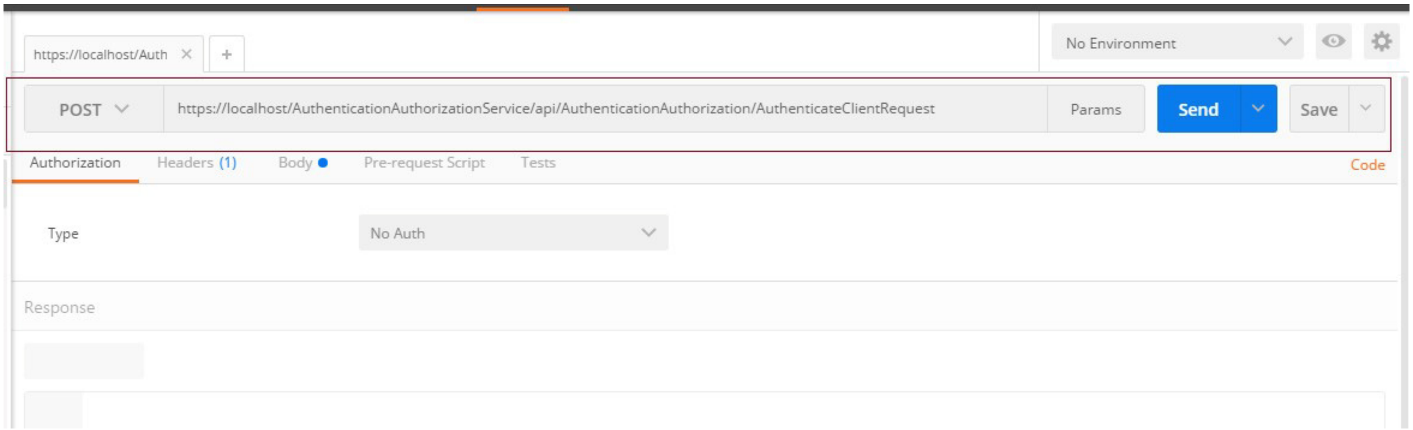
```
USE master

GO

/*

* Add login or apppool to Server Role

*/

sp_addsrvrolemember @loginame = [IIS
APPPOOL\ThinktectureIdentityService], @rolename = [sysadmin]

GO
```

```
/*
* Add login or apppool to Server Role
*/
sp_dropsrvrolemember @loginame = [IIS
APPPOOL\ThinktectureIdentityService], @rolename = [sysadmin]
GO
```

1.9.1 (Optional) Validate the Auth and Auth Service

Postman can be used to validate the Auth and Auth service.

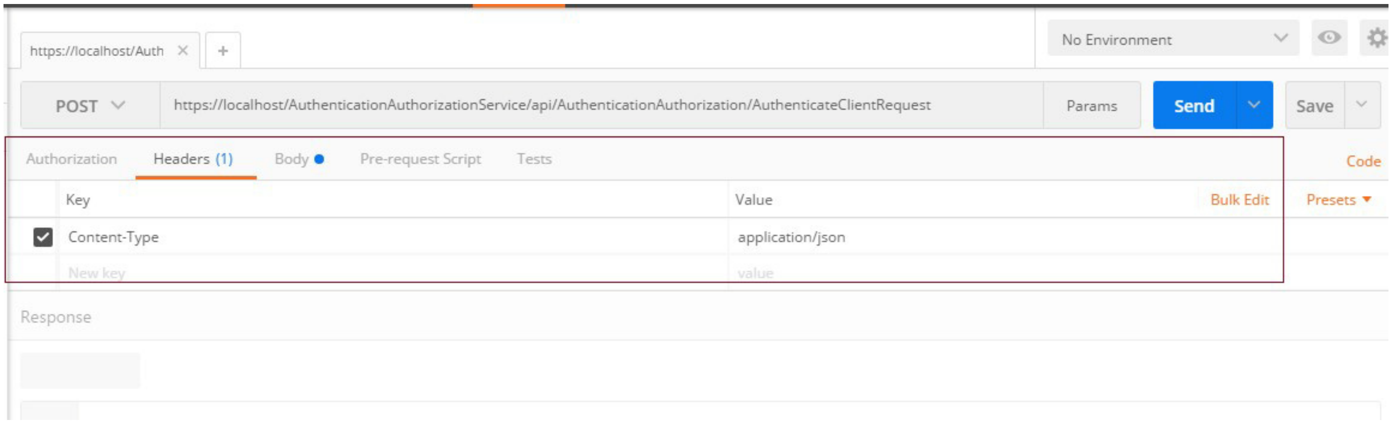
1. Select appropriate request type and type Auth & Auth url as shown below:



POST https://localhost/AuthenticationAuthorizationService/api/AuthenticationAuthorization/AuthenticateClientRequest

Type: No Auth

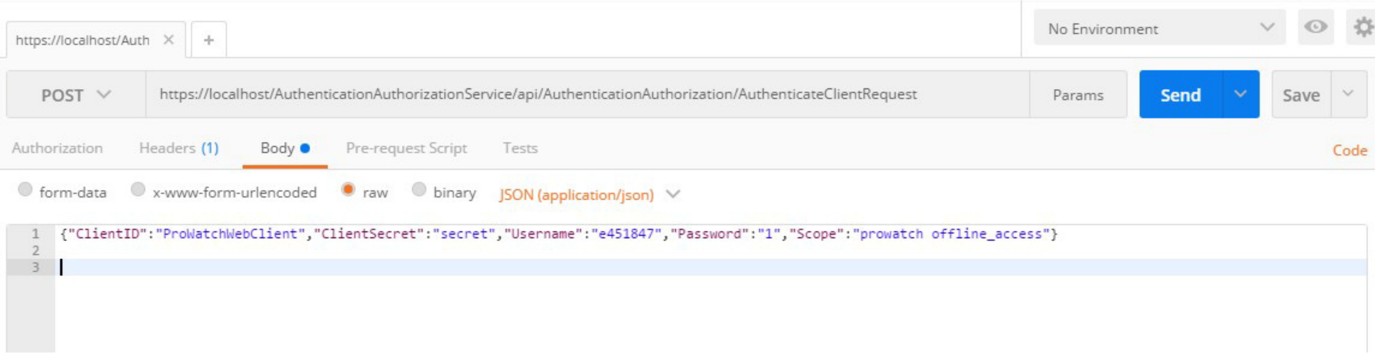
2. Enter the header details as shown below:



POST https://localhost/AuthenticationAuthorizationService/api/AuthenticationAuthorization/AuthenticateClientRequest

	Key	Value
☑	Content-Type	application/json
	New key	value

3. Enter the payload details and click **Send**.



POST https://localhost/AuthenticationAuthorizationService/api/AuthenticationAuthorization/AuthenticateClientRequest

Body: ● raw JSON (application/json)

```
{"ClientID":"ProWatchWebClient","ClientSecret":"secret","Username":"e451847","Password":"1","Scope":"prowatch offline_access"}
```

1.9.2 To rollback to Basic Authentication

1. In DTU Config file, Set **ISOMAuthenticationScheme** app setting to "Basic".
2. In ISPWebUI web config file, set **UseTokenBasedAuthentication** app setting to "0".

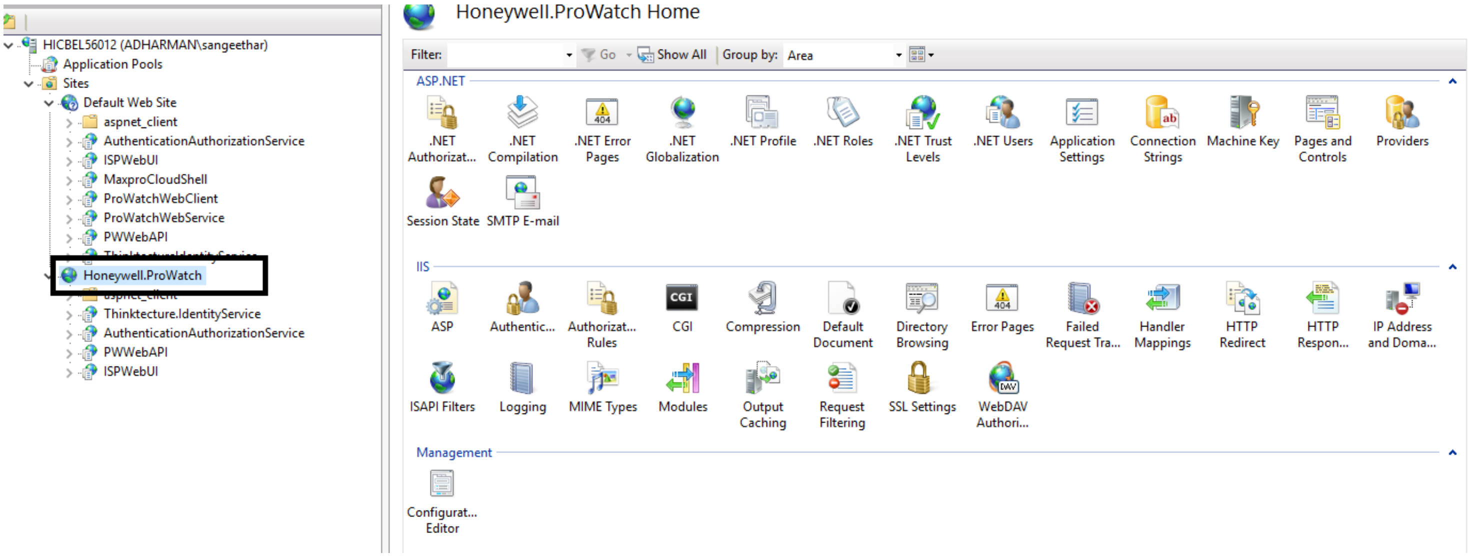
1.10 Moving Pro-Watch Components to Non-Default Website

Note: You should be able to log in to the application before performing the steps described in this section.

This section describes how to move the below sites manually from Default web site to any other web site.

1. Thinktecture Identity Service
2. Authentication Authorization Service
3. PW Web API
4. ISP Web UI

For demonstration purposes, a new website has been created in IIS - **Honeywell.ProWatch**. All applications will be moved to this web site.



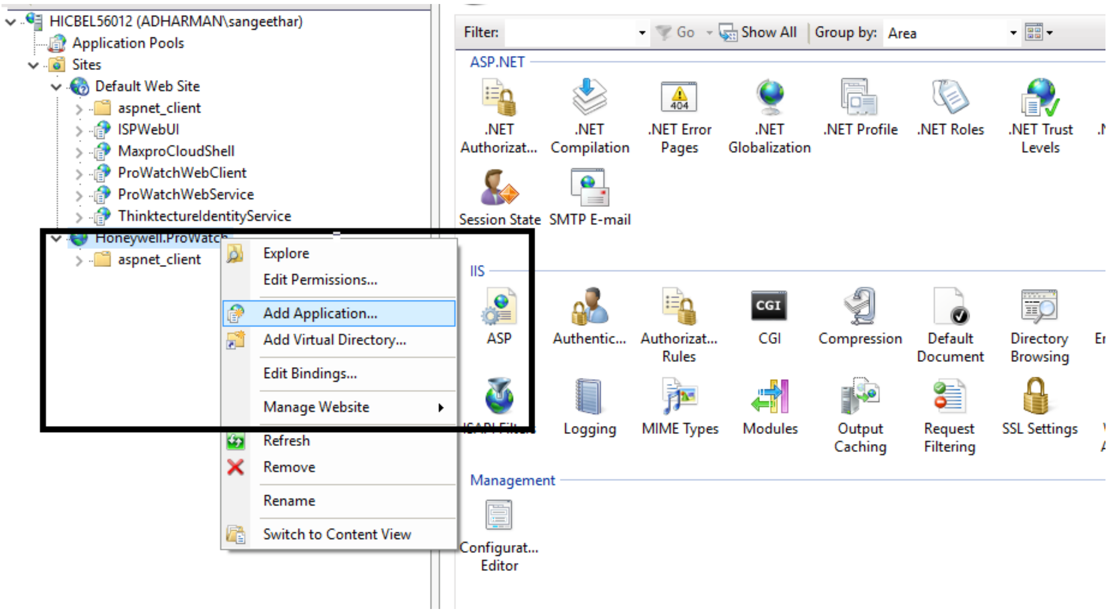
Create bindings same as Default Web Site.

For https binding, use the same certificate used by Default Web Site.

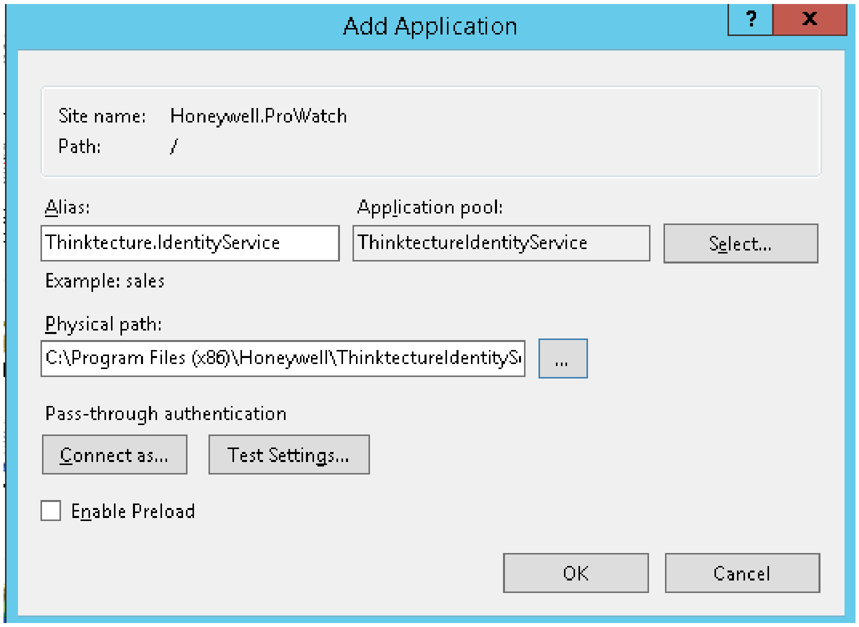
Use different port numbers (means ports not used by Default Web site bindings) for each binding if Default Web Site is running. Otherwise stop the default web site and use the ports used by it.

1.10.1 THINKTECTURE Identity Service

1. Add an application in the newly created web site.



2. Provide the Application alias name (**Thinktecture.IdentityService**) and physical path (**C:\Program Files (x86)\Honeywell\ThinktectureIdentityService**). Make sure the application pool is the same as of that of this site in the Default Web Site.


Add Application

Site name: Honeywell.ProWatch
Path: /

Alias: Thinktecture.IdentityService
Application pool: ThinktectureIdentityService

Example: sales

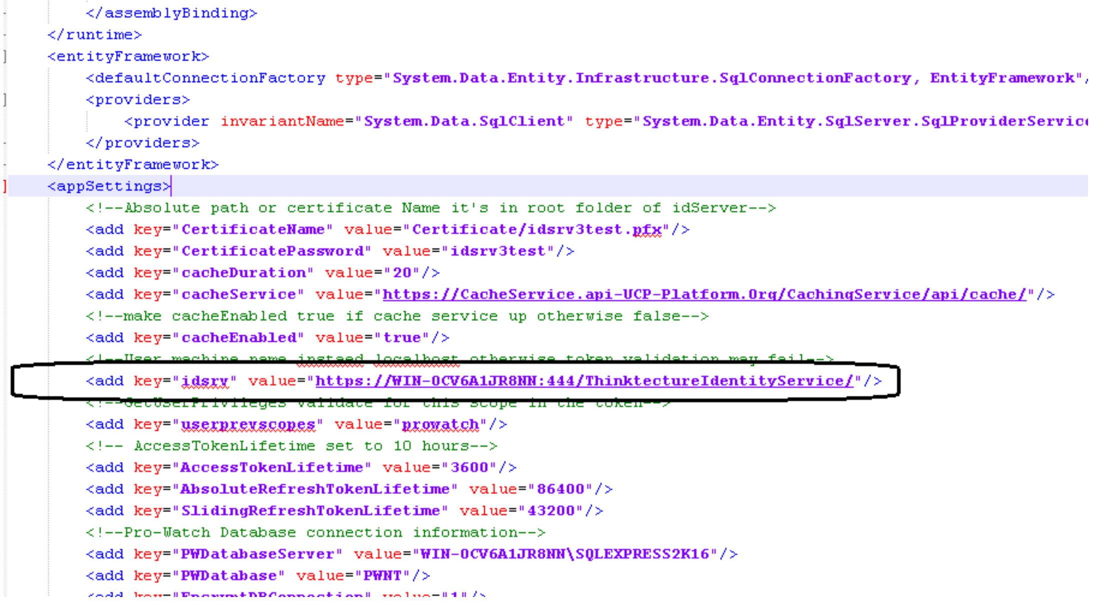
Physical path: C:\Program Files (x86)\Honeywell\ThinktectureIdentityS

Pass-through authentication

□ Enable Preload

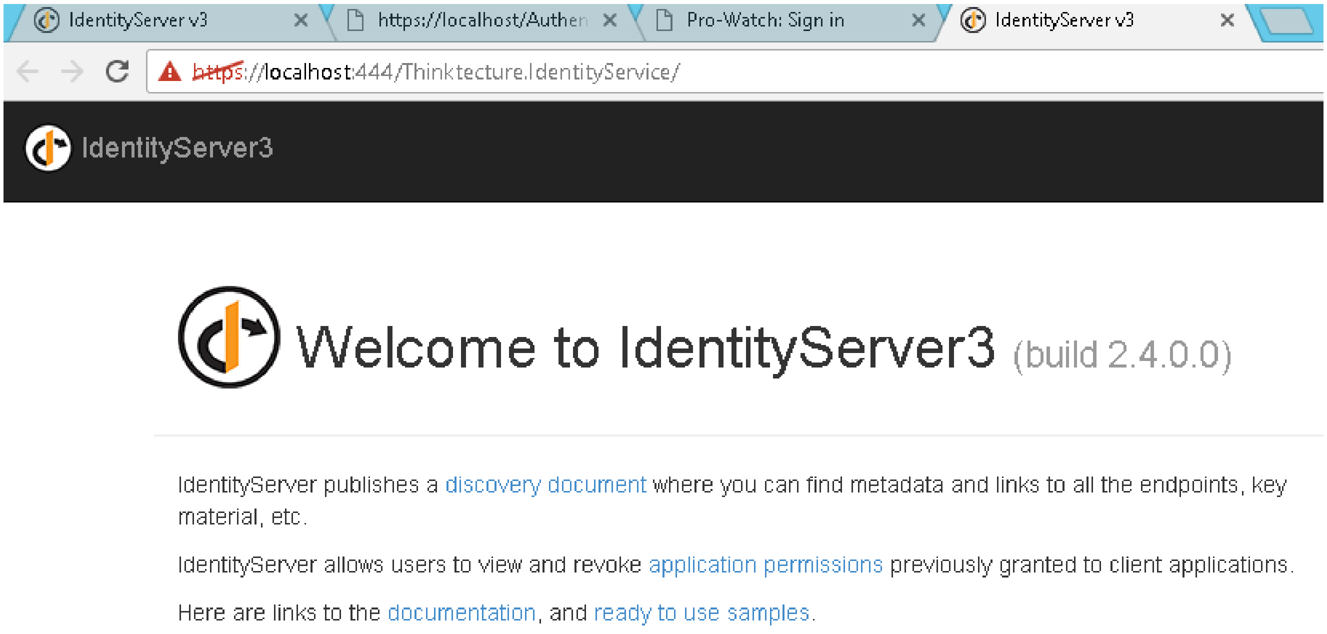
3. Click '**OK**' to get it done.

4. In the ThinkTecture web.config file, change the "idsrv" app setting as per the new web site binding port number.



```
        </assemblyBinding>
    </runtime>
    <entityFramework>
        <defaultConnectionFactory type="System.Data.Entity.Infrastructure.SqlConnectionFactory, EntityFramework",
        <providers>
            <provider invariantName="System.Data.SqlClient" type="System.Data.Entity.SqlServer.SqlProviderServic
        </providers>
    </entityFramework>
    <appSettings>
        <!--Absolute path or certificate Name it's in root folder of idServer-->
        <add key="CertificateName" value="Certificate/idsrv3test.pfx"/>
        <add key="CertificatePassword" value="idsrv3test"/>
        <add key="cacheDuration" value="20"/>
        <add key="cacheService" value="https://CacheService.api-UCP-Platform.Org/CachingService/api/cache/"/>
        <!--make cacheEnabled true if cache service up otherwise false-->
        <add key="cacheEnabled" value="true"/>
        <!--User machine name instead localhost otherwise token validation may fail-->
        <add key="idsrv" value="https://WIN-0CV6A1JR8NN:444/ThinktectureIdentityService/"/>
        <!--GetUserPrivileges validate for this scope in the token-->
        <add key="userprevscopes" value="prowatch"/>
        <!-- AccessTokenLifetime set to 10 hours-->
        <add key="AccessTokenLifetime" value="3600"/>
        <add key="AbsoluteRefreshTokenLifetime" value="86400"/>
        <add key="SlidingRefreshTokenLifetime" value="43200"/>
        <!--Pro-Watch Database connection information-->
        <add key="PWDatabaseServer" value="WIN-0CV6A1JR8NN\SQLEXPRESS2K16"/>
        <add key="PWDatabase" value="PWNT"/>
        <add key="EncryptDBConnection" value="1"/>
```

5. (Optional): Browse the newly created application to see this result.



Welcome to IdentityServer3 (build 2.4.0.0)

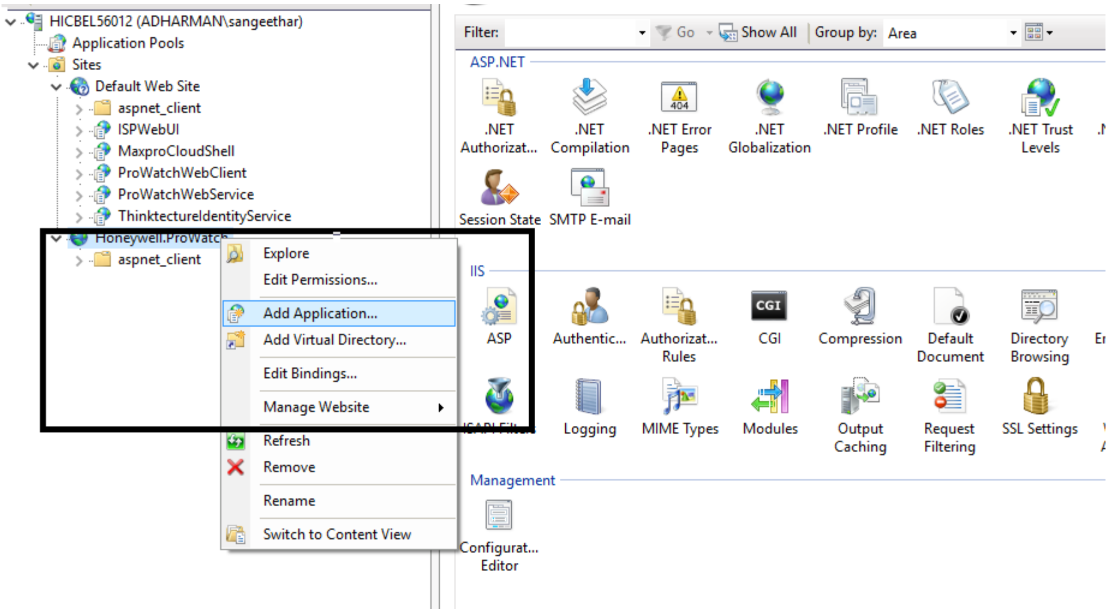
IdentityServer publishes a discovery document where you can find metadata and links to all the endpoints, key material, etc.

IdentityServer allows users to view and revoke application permissions previously granted to client applications.

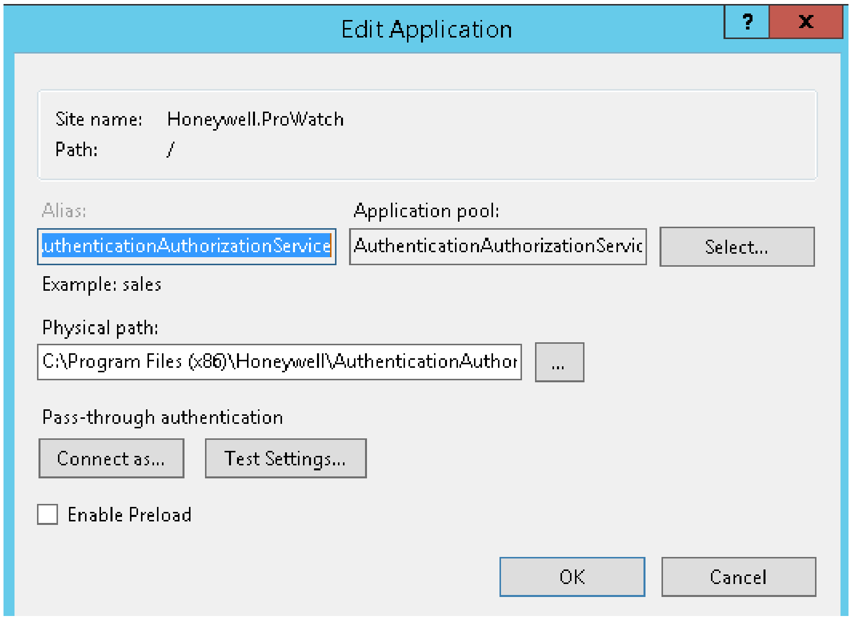
Here are links to the documentation, and ready to use samples.

1.10.2 AUTHENTICATION Identity Service

1. Add an application in the newly created web site.



2. Provide the Application alias name (**AuthenticationAuthorizationService**) and physical path (**C:\Program Files (x86)\Honeywell\AuthenticationAuthorizationService**). Make sure the application pool is the same as of that of this site in the Default Web Site.


Edit Application

Site name: Honeywell.ProWatch
Path: /

Alias: uthenticationAuthorizationService
Application pool: AuthenticationAuthorizationServic

Example: sales

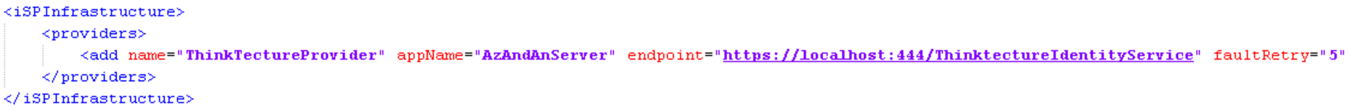
Physical path: C:\Program Files (x86)\Honeywell\AuthenticationAuthor

Pass-through authentication

☐ Enable Preload

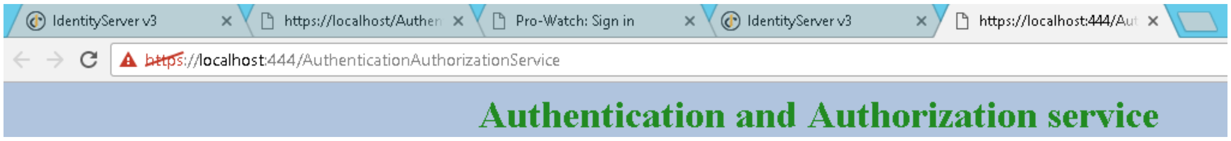
3. Click '**OK**' to get it done.
4. Update the Web.config values of this site

The 'ThinkTectureProvider' endpoint value needs to be updated to point to the newly created IdentityServer endpoint. (https://localhost:444/ThinktectureIdentityService in this case)



```
<iSPInfrastructure>
    <providers>
        <add name="ThinkTectureProvider" appName="AzAndAnServer" endpoint="https://localhost:444/ThinktectureIdentityService" faultRetry="5"
    </providers>
</iSPInfrastructure>
```

5. (Optional): Browse the newly created application to see this result.



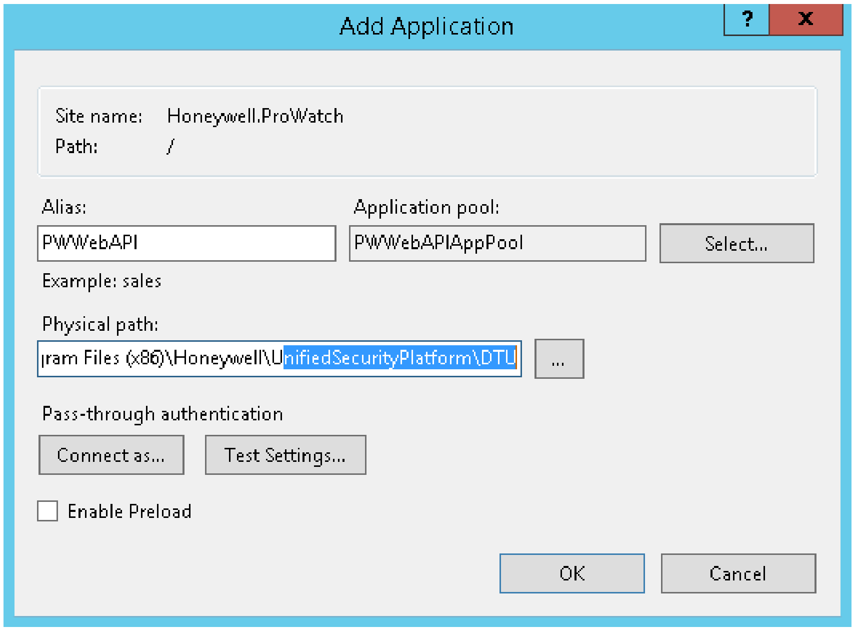
https://localhost:444/AuthenticationAuthorizationService

Authentication and Authorization service

1.10.3 PW Web API

Important Note: If DTU is hosted in Windows Service, skip to the 4th step.

1. Add an application in the newly created web site.
2. Step 2: Provide the Application alias name (**PWWebAPI**) and physical path (**C:\Program Files (x86)\Honeywell\UnifiedSecurityPlatform\DTU**). Make sure the application pool is the same as of that of this site in the Default Web Site.



Site name: Honeywell.ProWatch
Path: /

Alias: PWWebAPI

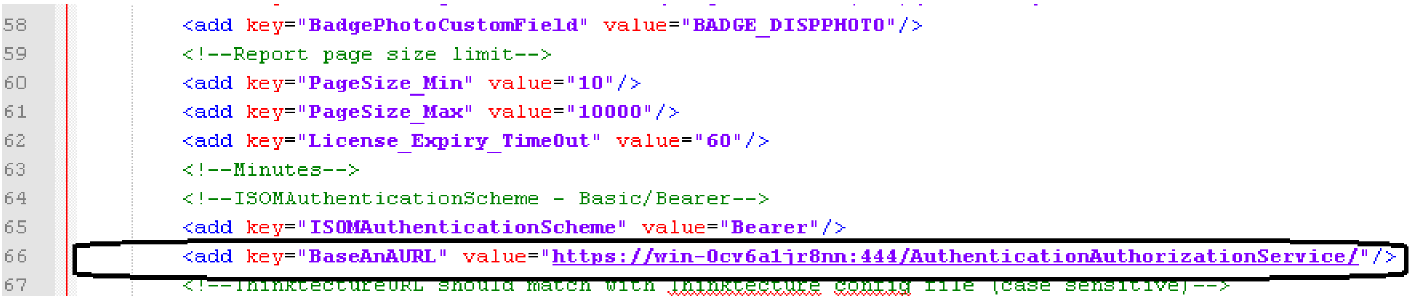
Application pool: PWWebAPIAppPool

Physical path: ram Files (x86)\Honeywell\UnifiedSecurityPlatform\DTU

☐ Enable Preload

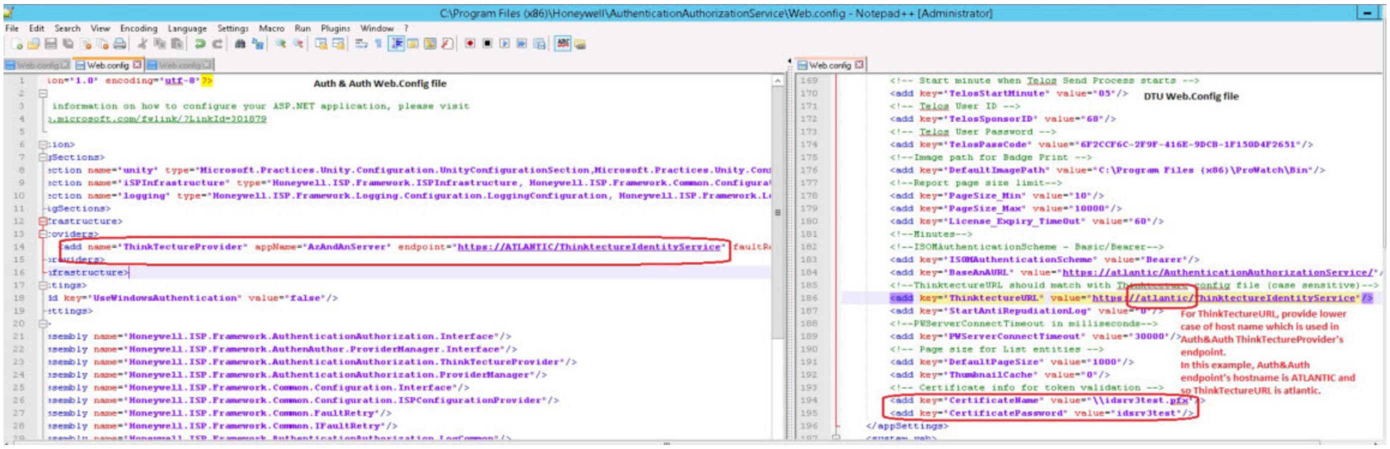
3. Click '**OK**' to get it done.
4. Update the Web.config (DTU is IIS hosted) / PW-DTU-WinService.exe.config (DTU is Windows Service hosted) values of this site.
    a. The app setting 'BaseAnAURL' to be set to the URL of the Auth and Auth site that is just created

(https://localhost:444/AuthenticationAuthorizationService in this case) :



```
        <add key="BadgePhotoCustomField" value="BADGE_DISPPHOTO"/>
        <!--Report page size limit-->
        <add key="PageSize_Min" value="10"/>
        <add key="PageSize_Max" value="10000"/>
        <add key="License_Expiry_TimeOut" value="60"/>
        <!--Minutes-->
        <!--ISOMAuthenticationScheme - Basic/Bearer-->
        <add key="ISOMAuthenticationScheme" value="Bearer"/>
        <add key="BaseAnAURL" value="https://win-0cv6a1jr8nn:444/AuthenticationAuthorizationService/"/>
        <!--ThinktectureURL should match with Thinktecture config file (case sensitive)-->
```

b. The app setting 'ThinkTectureURL' to be set to the value of



C:\Program Files (x86)\Honeywell\AuthenticationAuthorizationService\Web.config - Notepad++ [Administrator]
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
Web.config
Web.config
Web.config
Web.config

Auth & Auth Web.Config file

```
ion="1.0" encoding="utf-8"?>

 information on how to configure your ASP.NET application, please visit
).microsoft.com/fwlink/?LinkId=301879

:ion>
gSections>
:ction name="unity" type="Microsoft.Practices.Unity.Configuration.UnityConfigurationSection,Microsoft.Practices.Unity.Con
:ction name="iSPInfrastructure" type="Honeywell.ISP.Framework.ISPInfrastructure, Honeywell.ISP.Framework.Common.Configura
:ction name="logging" type="Honeywell.ISP.Framework.Logging.Configuration.LoggingConfiguration, Honeywell.ISP.Framework.L
igSections>
:rastructure>
:oviders>
  <add name="ThinkTectureProvider" appName="AzAndAnServer" endpoint="https://ATLANTIC/ThinktectureIdentityService" faultR
oviders>
ifrastructure>
:tings>
id key="UseWindowsAuthentication" value="false"/>
ettings>

ssembly name="Honeywell.ISP.Framework.AuthenticationAuthorization.Interface"/>
ssembly name="Honeywell.ISP.Framework.AuthenAuthor.ProviderManager.Interface"/>
ssembly name="Honeywell.ISP.Framework.AuthenticationAuthorization.ThinkTectureProvider"/>
ssembly name="Honeywell.ISP.Framework.AuthenticationAuthorization.ProviderManager"/>
ssembly name="Honeywell.ISP.Framework.Common.Configuration.Interface"/>
ssembly name="Honeywell.ISP.Framework.Common.Configuration.ISPConfigurationProvider"/>
ssembly name="Honeywell.ISP.Framework.Common.FaultRetry"/>
ssembly name="Honeywell.ISP.Framework.Common.IFaultRetry"/>
```

DTU Web.Config file

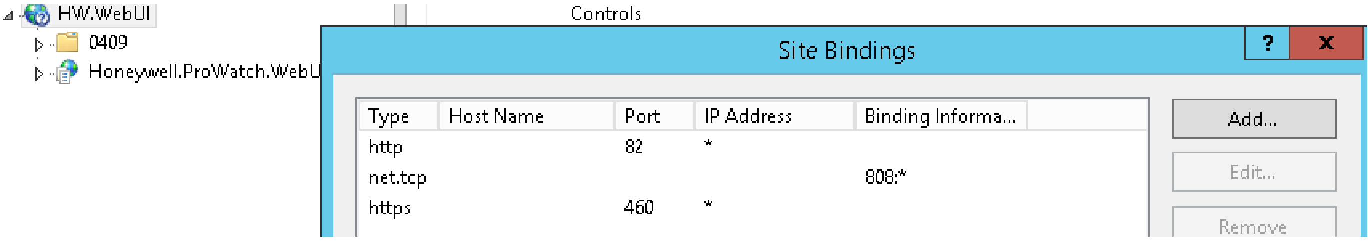
```
        <!-- Start minute when Telos Send Process starts -->
        <add key="TelosStartMinute" value="05"/>
        <!-- Telos User ID -->
        <add key="TelosSponsorID" value="68"/>
        <!-- Telos User Password -->
        <add key="TelosPassCode" value="6F2CCF6C-2F9F-416E-9DCB-1F150D4F2651"/>
        <!--Image path for Badge Print -->
        <add key="DefaultImagePath" value="C:\Program Files (x86)\ProWatch\Bin"/>
        <!--Report page size limit-->
        <add key="PageSize_Min" value="10"/>
        <add key="PageSize_Max" value="10000"/>
        <add key="License_Expiry_TimeOut" value="60"/>
        <!--Minutes-->
        <!--ISOMAuthenticationScheme - Basic/Bearer-->
        <add key="ISOMAuthenticationScheme" value="Bearer"/>
        <add key="BaseAnAURL" value="https://atlantic/AuthenticationAuthorizationService/"/
        <!--ThinktectureURL should match with Thinktecture config file (case sensitive)-->
        <add key="ThinktectureURL" value="https://atlantic/ThinktectureIdentityService"/>
        <add key="StartAntiRepudiationLog" value="0"/>
        <!--PWServerConnectTimeout in milliseconds-->
        <add key="PWServerConnectTimeout" value="30000"/>
        <!-- Page size for List entities -->
        <add key="DefaultPageSize" value="1000"/>
        <add key="ThumbnailCache" value="0"/>
        <!-- Certificate info for token validation -->
        <add key="CertificateName" value="\\idsrv3test.pfx"/>
        <add key="CertificatePassword" value="idsrv3test"/>
    </appSettings>
```

For ThinkTectureURL, provide lower case of host name which is used in Auth&Auth ThinkTectureProvider's endpoint.
In this example, Auth&Auth endpoint's hostname is ATLANTIC and so ThinkTectureURL is atlantic.

c. If DTU is hosted in Windows Service, Restart the "Pro-Watch Web API" service.

1.10.4 4.ISP Web UI

1. Add an application in the newly created web site, or a new web site could be created and an application could be added to this new site (so that services and UI are on different layers).

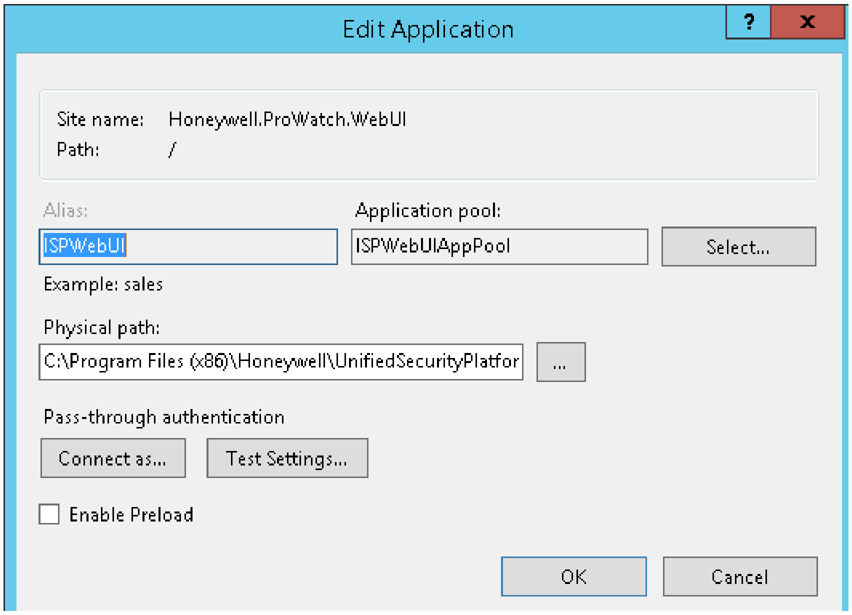


Type	Host Name	Port	IP Address	Binding Informa...
http		82	*	
net.tcp				808:*
https		460	*	

Important Note: Make sure your port is not used by any other application.

2. Step 2: Create a new application in this site and provide the Application alias name (**ISPWebUI**) and physical path (**C:\Program Files**

(x86)\Honeywell\UnifiedSecurityPlatform\Web\WEBUI). Make sure the application pool is the same as of that of this site in the Default Web Site.



Site name: Honeywell.ProWatch.WebUI
Path: /
Alias: ISPWebUI
Application pool: ISPWebUIAppPool
Example: sales
Physical path: C:\Program Files (x86)\Honeywell\UnifiedSecurityPlatfor
□ Enable Preload

3. Click '**OK**' to get it done.
4. Update the Web.config values of this site.

   In the configuration section, the 'isom ipAddress' needs to be updated to point to the Web API site created. In this case, it is,

   a. If DTU is hosted in IIS, then set

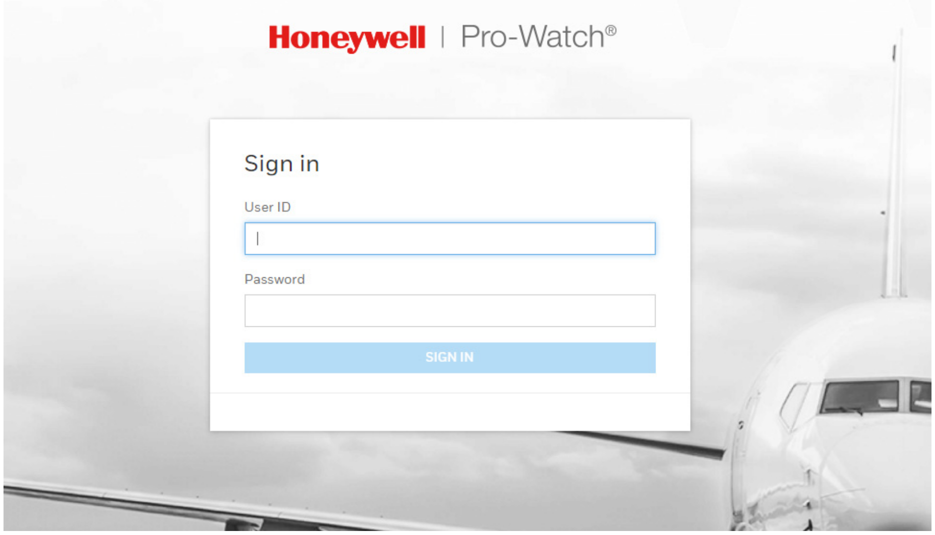
      ```
      <isom ipAddress="localhost:444/PWWebAPI" protocol="https"
      authenticationType="Basic"/>
      ```

      If DTU is hosted in Windows Service

      ```
      <isom ipAddress="localhost:8733" protocol="http"
      authenticationType="Basic" />
      ```

   b. '**ISPAuthEndPoint**' appSetting value needs to be set to the AuthNAuth service endpoint. (**https://localhost:444/AuthenticationAuthorizationService/api/AuthenticationAuthorization/** in this case)

5. (Optional): Browse the newly created application to see this result.



The original sites created in Default Web Site could be removed since they are no more required.

Important Notes:

1. Make sure your port is not used by any other application.

2. Localhost may be replaced by machine name.

1.11 Dynamic IP Restriction Configuration

Note: Execute the steps described in this section only after you log in successfully to the application. These are steps essential for windows and token based authentication.

1.11.1 Introduction

The Dynamic IP Restrictions (DIPR) module for IIS 7.0 and above provides protection against denial of service and brute force attacks on web servers and web sites. To provide this protection, the module temporarily blocks IP addresses of HTTP clients that make an unusually high number of concurrent requests.

1.11.2 Installation of IP and Domain Restrictions

Refer the web site **https://www.iis.net/configreference/system.webserver/security/ipsecurity** for the installation of IP and domain Restrictions.

1.11.3 Pro-Watch Single-Tier and Two-Tier Deployment

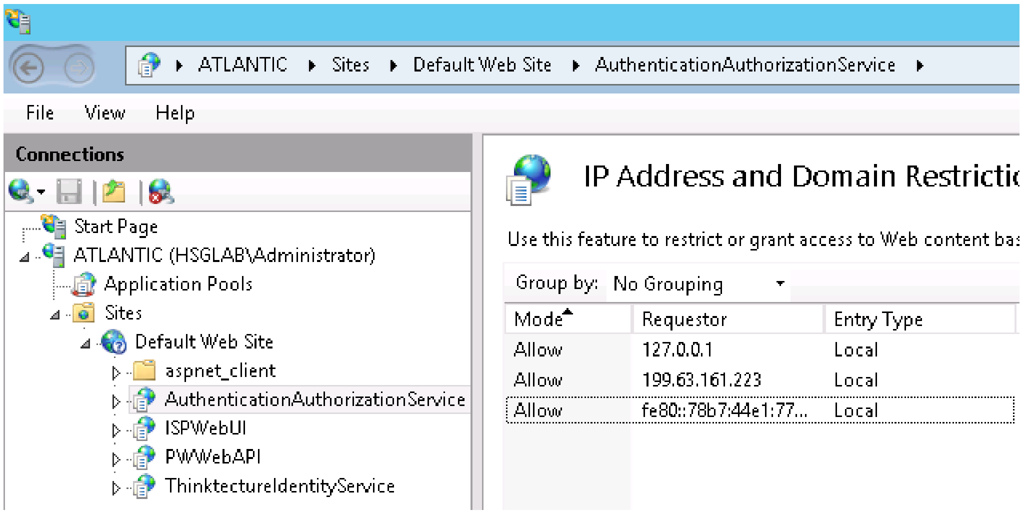
For each of the below web applications

- ThinktectureIdentityService,
- AuthenticationAuthorizationService
- PWWebAPI (It will be available in IIS if DTU is IIS hosted. *If DTU is hosted in Windows Service, there is no setting required for DTU.*)

do the following:

1. Select Web Application
2. Click "**IP Address and Domain Restrictions**".
3. Click "**Edit Feature Settings**" in Actions pane.
4. Choose "**Deny**" for "Access for unspecified clients" and Click **OK**.
5. Click "A**dd Allow Entry**" in actions pane.

6. Provide the local machine IPv4 address, IPv6 address and 127.0.0.1 for "**Specific IP address**":


ATLANTIC ▸ Sites ▸ Default Web Site ▸ AuthenticationAuthorizationService ▸
File View Help
Connections
Start Page
ATLANTIC (HSGLAB\Administrator)
Application Pools
Sites
Default Web Site
aspnet_client
AuthenticationAuthorizationService
ISPWebUI
PWWebAPI
ThinktectureIdentityService
IP Address and Domain Restrictic
Use this feature to restrict or grant access to Web content bas
Group by: No Grouping

Mode	Requestor	Entry Type
Allow	127.0.0.1	Local
Allow	199.63.161.223	Local
Allow	fe80::78b7:44e1:77...	Local

1.11.4 Pro-Watch Three Tier Deployment

For ThinktectureIdentityService, perform the following steps:

1. Select Web Application
2. Click "**IP Address and Domain Restrictions**"
3. Click "**Edit Feature Settings**" in Actions pane.
4. Select "**Deny**" for "Access for unspecified clients" and Click **OK**.
5. Click "**Add Allow Entry...**" in actions pane.
6. Provide the local machine IPv4 address, IPv6 address and 127.0.0.1 for "**Specific IP address**".

For AuthenticationAuthorizationService, PWWebAPI (If DTU installed in IIS):

1. Select Web Application
2. Click "**IP Address and Domain Restrictions**".
3. Click "**Edit Feature Settings**" in Actions pane.
4. Choose "**Deny**" for "Access for unspecified clients" and Click **OK.**
5. Click "**Add Allow Entry...**" in actions pane.
6. Provide the local machine IPv4 address, IPv6 address and 127.0.0.1 for "**Specific IP address**".
7. Provide the **machine IP** (ipv4 and IPv6 address) of the WebUI installed for "**Specific IP address"**.

Pro-Watch Web Client 2

In this guide...

2.1 Supported Web Browsers

The Pro-Watch Web Client supports

- **Recommended**: (Windows) **Google Chrome Version 46 or above**.
- (Windows) Internet Explorer 11 (IE11) and above.

Note: MS Edge does not support Badge Printing.

Note: If you are using IE11 browser, there may be a delay in page loading.

2.1.1 SigPlusWeb Plug-In for Google Chrome

1. In **Google Chrome** browser's URL field, type **Chrome://plugins** and press the **Return** key to display Chrome's **Plugins** page.
2. Find the **SigPlusWeb** plugin and select the "**Always allowed to run**" check-box right next to it. This will allow you to capture signature without being prompted for permission to run.

2.2 Recommended Screen Resolution and Size

- Screen resolution: 1366 X768 pixels and higher.
- Monitor size: 17 inches and larger.

2.3 Prerequisites for the Client Machine

1. The end-user must install the following software on the client machine for the Pro-Watch web interface to work properly:
    - **Topaz Signature Pad** Web component (http://www.topazsystems.com/Software/download/sigplusweb.htm) for capturing signatures in the Badge Module. Download the sigplusweb_npapi.exe file for correct web operation. This is available from the Topaz website.
    - **Adobe Flash Player** (http://get.adobe.com/flashplayer/)
2. "Display internet sites in Compatibility View" option must be disabled.

2.4 Prerequisites for the Web Server

2.4.1 For 1-tier System Architecture

- Supports all of the following Windows Servers:
    - Windows Server 2016; 64-bit
    - Windows Server 2008/2012 R2; 64-bit
- Supports all of the following SQL Servers:
    - SQL SERVER 2012/2014/2016
- Must have all of the following components:
    - .NET Framework 4.6.1
    - Quad Core with 32 / 64 GB RAM

2.4.2 For 2-tier System Architecture

- Supports all of the following Windows Servers:
  - Windows Server 2016; 64-bit
  - Windows Server 2008/2012 R2; 64-bit
- Supports all of the following SQL Servers:
  - SQL SERVER 2012/2014/2016
- Must have all of the following components:
  - .NET Framework 4.6.1
  - Quad Core with 32 GB RAM

2.4.3 For 3-tier System Architecture

- Supports all of the following Windows Servers:
  - Windows Server 2016; 64-bit
  - Windows Server 2008/2012 R2; 64-bit
- Supports all of the following SQL Servers:
  - SQL SERVER 2012/2014/2016
- Must have all of the following components:
  - .NET Framework 4.6.1
  - Quad Core with 16 GB RAM

2.5 Supported Hardware

- Any Honeywell-recommended webcam or Logitech Webcam c110.
- Topaz Signature Pad Model: T-L460-HSB-R.

2.6 Security Certificate Requirement

You need to have a security certificate to use the Pro-Watch Web Client properly. Please consult your system administrator for obtaining an appropriate security certificate.

2.7 Security Settings for IE11

For the Pro-Watch Web Client to function properly, users are required to set security settings for Windows Internet Explorer.

Note: Enabling the security settings is a mandatory step that a user must do to receive the alarms/events/traces in the web page.

Security Settings can be enabled in two ways:

- **Using Advanced tab** - Refer to section IE11 Advanced Settings on page 39.
- **Using Security tab** - Refer to section IE11 Security Settings on page 42.

2.7.1 IE11 Advanced Settings

To enable the security settings for IE11 using Advanced tab:

1. Launch **Internet Explorer 11**.

2. In the **Internet Explorer** page, navigate to **Tools (Alt + X)** > **Internet Options** to display the **Internet Options** dialog box:

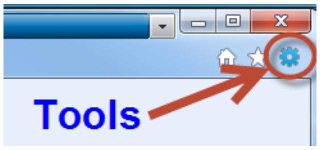
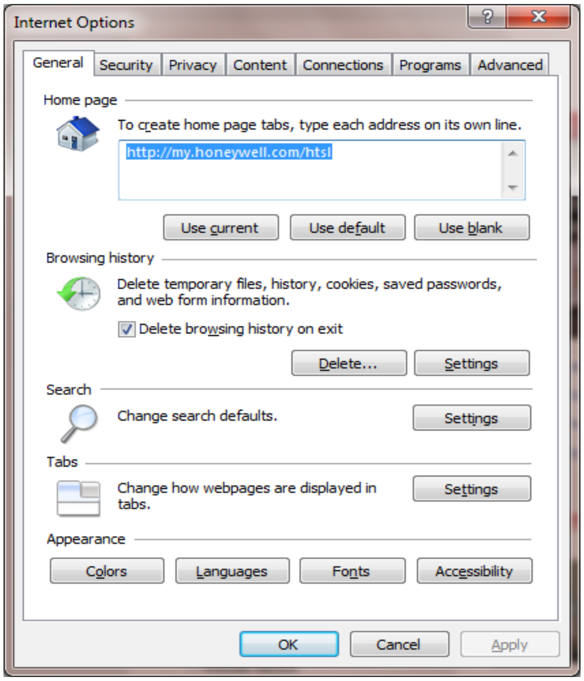


Figure 1 Internet Options Dialog Box



Internet Options

General | Security | Privacy | Content | Connections | Programs | Advanced

Home page

To create home page tabs, type each address on its own line.

http://my.honeywell.com/htsl

Use current | Use default | Use blank

Browsing history

Delete temporary files, history, cookies, saved passwords, and web form information.

☑ Delete browsing history on exit

Delete... | Settings

Search

Change search defaults. | Settings

Tabs

Change how webpages are displayed in tabs. | Settings

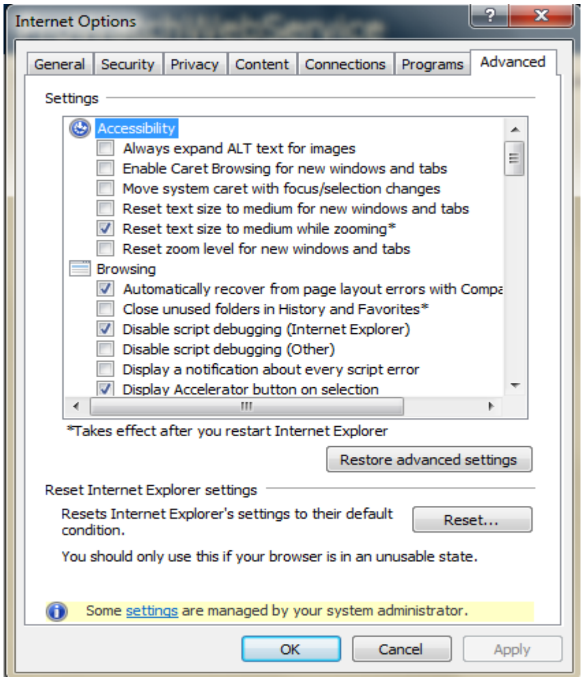
Appearance

Colors | Languages | Fonts | Accessibility

OK | Cancel | Apply

3. Click the **Advanced** tab.

Figure 2 *Internet Options - Advanced Tab*



Accessibility
☐ Always expand ALT text for images
☐ Enable Caret Browsing for new windows and tabs
☐ Move system caret with focus/selection changes
☐ Reset text size to medium for new windows and tabs
☑ Reset text size to medium while zooming*
☐ Reset zoom level for new windows and tabs
Browsing
☑ Automatically recover from page layout errors with Compa
☐ Close unused folders in History and Favorites*
☑ Disable script debugging (Internet Explorer)
☐ Disable script debugging (Other)
☐ Display a notification about every script error
☑ Display Accelerator button on selection

*Takes effect after you restart Internet Explorer

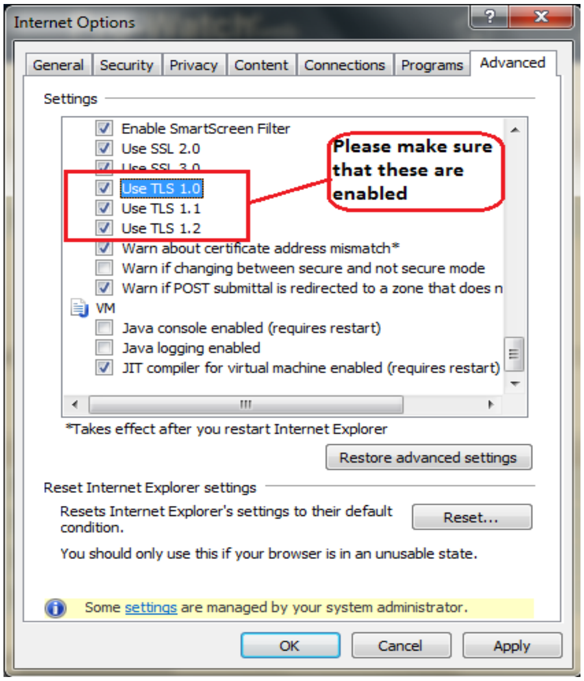
Resets Internet Explorer's settings to their default condition.

You should only use this if your browser is in an unusable state.

Some settings are managed by your system administrator.

4. In the **Settings** list, scroll down until you see **Use TLS 1.0**, **Use TLS 1.1** and **Use TLS 1.2** options; select all three check boxes to enable them, as shown below.

Figure 3 *Internet Options - Settings Enable*



☑ Enable SmartScreen Filter
☑ Use SSL 2.0
☑ Use SSL 3.0
☑ Use TLS 1.0
☑ Use TLS 1.1
☑ Use TLS 1.2
☑ Warn about certificate address mismatch*
☐ Warn if changing between secure and not secure mode
☑ Warn if POST submittal is redirected to a zone that does n
VM
☐ Java console enabled (requires restart)
☐ Java logging enabled
☑ JIT compiler for virtual machine enabled (requires restart)

Please make sure that these are enabled

*Takes effect after you restart Internet Explorer

Resets Internet Explorer's settings to their default condition.

You should only use this if your browser is in an unusable state.

Some settings are managed by your system administrator.

5. Click **Apply** and then click **OK**.

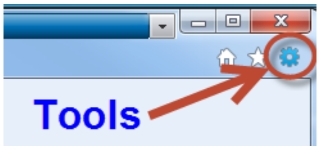
6. Restart the Internet Explorer to take effect.

Note: Make sure the “**Do not save encrypted pages to disk**” is **NOT checked**.

2.7.2 IE11 Security Settings

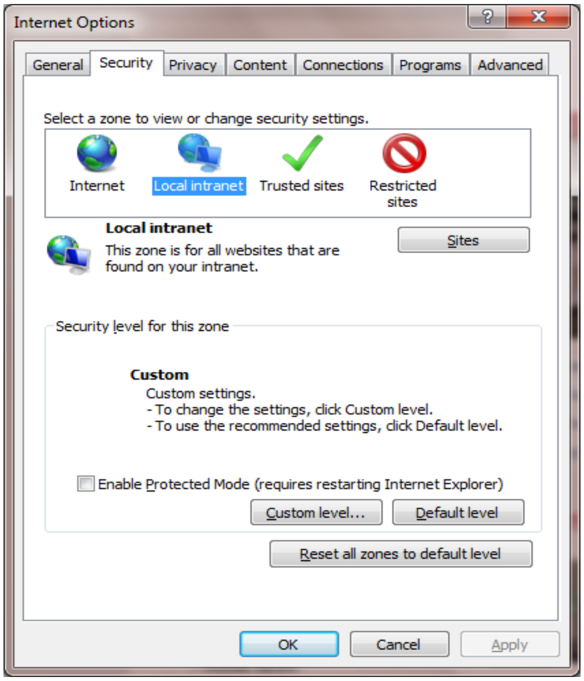
To enable the security settings for IE11 using Security tab:

1. Launch **Internet Explorer 11.**
2. In the **Internet Explorer** page, navigate to **Tools (Alt + X)** > **Internet Options** to display the **Internet Options** dialog box (See Figure 4):



3. Click and select the **Security** tab.

Figure 4 *Internet Options - Security Tab*



Select a zone to view or change security settings.

Local intranet
This zone is for all websites that are found on your intranet.

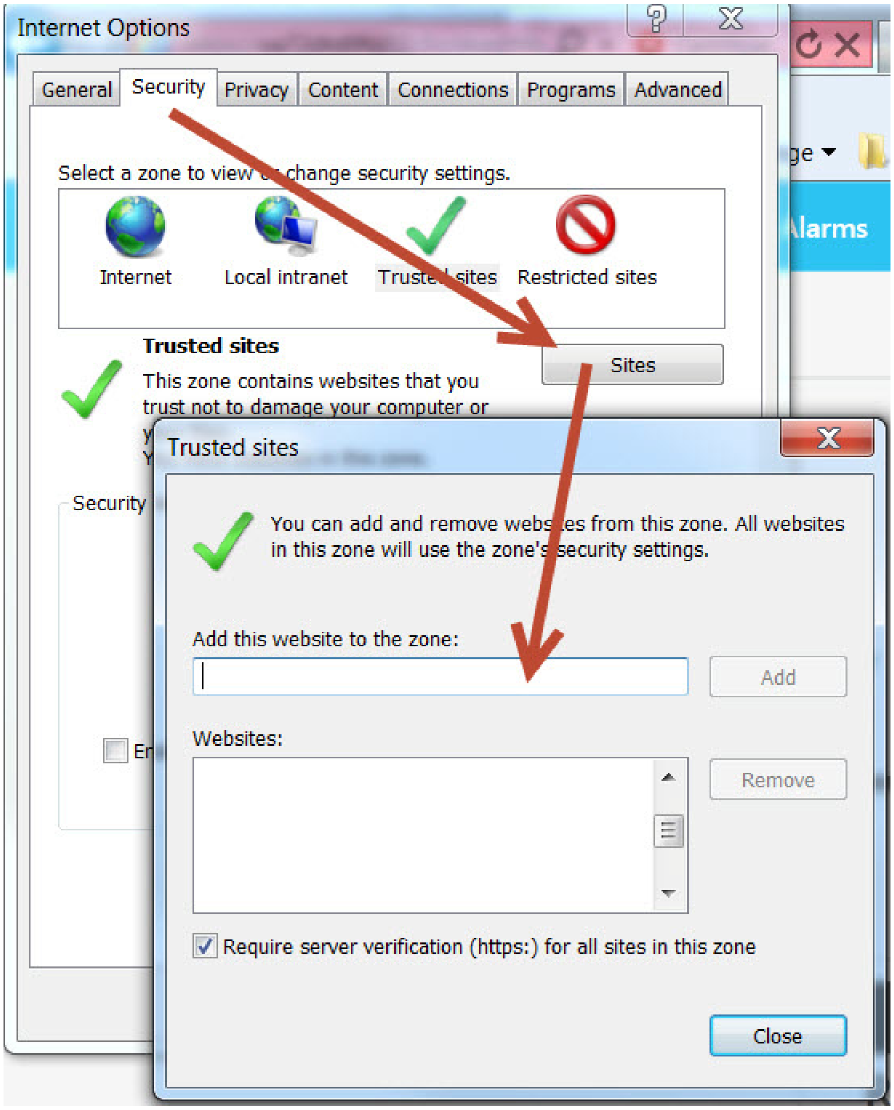
Security level for this zone

Custom
Custom settings.
- To change the settings, click Custom level.
- To use the recommended settings, click Default level.

☐ Enable Protected Mode (requires restarting Internet Explorer)

4.In the **Select a zone to view or change security settings**, select the **Trusted Sites** option.

5. Click the **Sites** command button to display the **Trusted Sites** dialog box:



You can add and remove websites from this zone. All websites in this zone will use the zone's security settings.

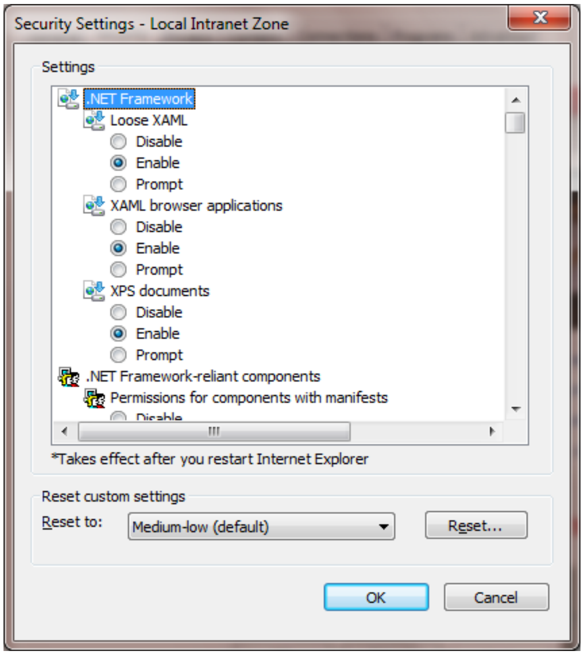
Add this website to the zone:

Websites:

☑ Require server verification (https:) for all sites in this zone

6. Type in the **URL of your web server** and click the **Add** button.
7. Click the **Close** button to close the Trusted Sites dialog box.
8. Click the **Custom Level** button to display the **Security Settings – local Internet Zone** dialog box.

Figure 5 *Security Settings - Local Internet Zone Dialog box*



Security Settings - Local Intranet Zone

Settings

.NET Framework
- Loose XAML
  - ○ Disable
  - ● Enable
  - ○ Prompt
- XAML browser applications
  - ○ Disable
  - ● Enable
  - ○ Prompt
- XPS documents
  - ○ Disable
  - ● Enable
  - ○ Prompt

.NET Framework-reliant components
- Permissions for components with manifests
  - ○ Disable

*Takes effect after you restart Internet Explorer

Reset custom settings

Reset to: Medium-low (default)

9. In **Settings**, scroll down and then select the following options.

Table 1 IE11 Security Settings

IE11 Security Category	**IE11 Security Component**	**Value**
.NET Framework	Loose XAML	Disable
.NET Framework	XML browser applications	Enable
.NET Framework	XPS documents	Enable
.NET Framework	Permissions for components with manifests	Enable
.NET Framework-reliant components	Run components not signed with Authenticode	Enable
.NET Framework-reliant components	Run components signed with Authenticode	Enable
ActiveX controls and plug-ins	Allow ActiveX filtering	Enable
ActiveX controls and plug-ins	Allow previously unused ActiveX controls to run without prompt	Disable
ActiveX controls and plug-ins	Allow scriplets	Disable
ActiveX controls and plug-ins	Automatic prompting for ActiveX controls	Disable

Table 1 IE11 Security Settings

ActiveX controls and plug-ins	Binary and script behaviors	Enable
ActiveX controls and plug-ins	Display video and animation on a webpage that does not use external media player	Disable
ActiveX controls and plug-ins	Download signed ActiveX controls	Prompt
ActiveX controls and plug-ins	Download unsigned ActiveX controls	Disable
ActiveX controls and plug-ins	Initialize and script ActiveX controls not marked as safe for scripting	Disable
ActiveX controls and plug-ins	Only allow approved domains use ActiveX without prompt	Disable
ActiveX controls and plug-ins	Run ActiveX controls and plug-ins	Enable
ActiveX controls and plug-ins	Run antimalware software on ActiveX controls	Enable
ActiveX controls and plug-ins	Script ActiveX controls marked safe for scripting (takes effect after your estart Internet Explorer)	Enable
Downloads	File download	Enable
Downloads	Font download	Enable
Downloads	Enable .NET Framework setup	Enable
Miscellaneous	Access data sources across domains	Disable
Miscellaneous	Allow META REFRESH	Enable
Miscellaneous	Allow scripting of Microsoft web browser control	Disable
Miscellaneous	Allow scrip-initiated windows without size or position constraints	Disable
Miscellaneous	Allow webpages to use restricted protocols for active content	Prompt
Miscellaneous	Allow websites to open windows without address or status bars	Disable
Miscellaneous	Display mixed content	Prompt
Miscellaneous	Don't prompt for client certificate selection when only one certificate exists	Disable

Table 1 IE11 Security Settings

Miscellaneous	Drag and drop or copy and paste files	Enable
Miscellaneous	Enable MIME sniffing	Enable
Miscellaneous	Include local directory path when uploading files to a server	Disable
Miscellaneous	Launching applications and unsafe files	Prompt
Miscellaneous	Launching programs and files in an IFRAME	Prompt
Miscellaneous	Navigate windows and frames across different domains	Disable
Miscellaneous	Render legacy filters	Disabled
Miscellaneous	Software channel permissions	Medium Safety
Miscellaneous	Submit non-encrypted form data	Enable
Miscellaneous	Use Pop-up Blocker	Enable
Miscellaneous	Use SmartScreen filter	Enable
Miscellaneous	User data persistence	Enable
Miscellaneous	Websites in less privileged web content zone can navigate into this zone	Enable
Scripting	Active scripting	Enable
Scripting	Allow programmatic clipboard access	Prompt
Scripting	Allow status bar updates via script	Disable
Scripting	Allow websites to prompt for information using scripted windows	Disable
Scripting	Enable XSS filter	Disable
Scripting	Scripting of Java applets	Enable
User Authentication	Logon	Automatic logon only in Intranet zone

10.After making all the correct selections as described in the above table, click **OK**.

11.If the system displays an “**Are you sure you want to change the settings for this zone?**” prompt, click **Yes**.

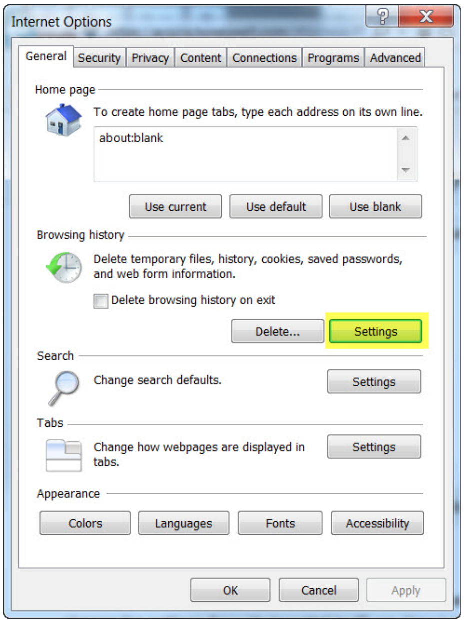
12.In **Internet Options** dialog box, click **Apply** and then click **OK**.

13.Restart the Internet Explorer to take effect.

2.8 Temporary Internet Files Setting for IE11

Make sure your IE11 browser has the following “**Temporary Internet Files and History**” setting to display the photo of searched badges properly:

1. Launch the **Internet Explorer (IE) 11**.
2. In the **Internet Explorer** page, navigate to **Tools (Alt + X) > Internet Options** to display the **Internet Options** dialog box:



Internet Options

To create home page tabs, type each address on its own line.

about:blank

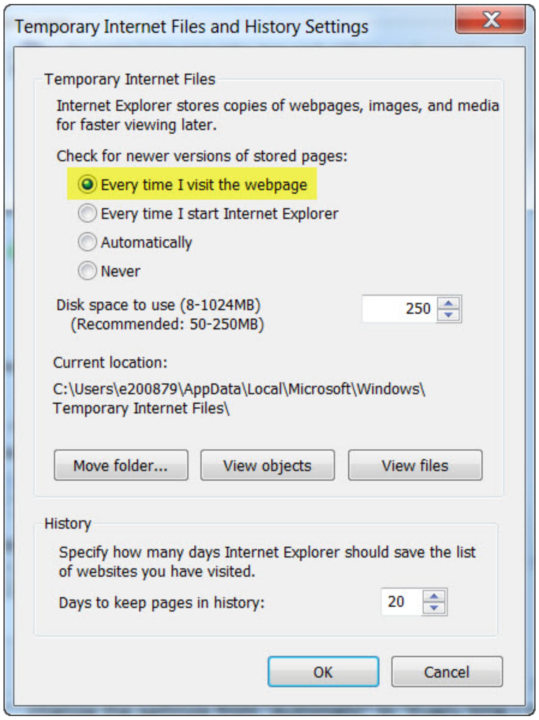
Delete temporary files, history, cookies, saved passwords, and web form information.

□ Delete browsing history on exit

Change search defaults.

Change how webpages are displayed in tabs.

3. In the **General** tab, click the **Settings** button to display the "**Temporary Internet Files and History Settings**" screen:



Temporary Internet Files and History Settings

Temporary Internet Files

Internet Explorer stores copies of webpages, images, and media for faster viewing later.

Check for newer versions of stored pages:

● Every time I visit the webpage
○ Every time I start Internet Explorer
○ Automatically
○ Never

Disk space to use (8-1024MB) (Recommended: 50-250MB): 250

Current location:
C:\Users\e200879\AppData\Local\Microsoft\Windows\Temporary Internet Files\

History

Specify how many days Internet Explorer should save the list of websites you have visited.

Days to keep pages in history: 20

4. Select the "**Every time I visit the webpage**" option button.
5. Click **OK** to close the "**Temporary Internet Files and History Settings**" screen.
6. Click **OK** once again to close the "**Internet Options"** screen.

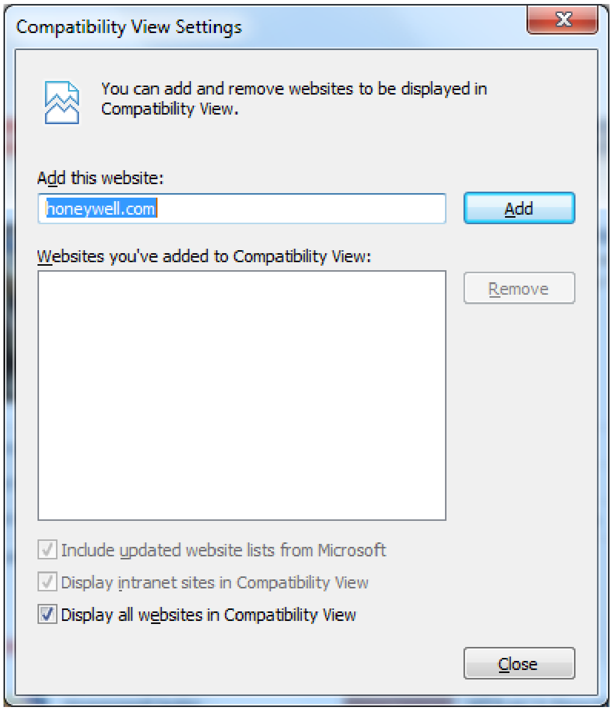
2.9 Configuring the Browser Mode

Configuring the browser mode is a one time action that a user is required to do when setting up the Internet Explorer 9 to use with the Pro-Watch 4.3.5 Web Client.

To configure the browser mode for the Pro-Watch 4.3.5 Web Client:

1. Launch **Internet Explorer 11**.
2. Click **Tools** from Internet Explorer browser menu to display the **Tools** Menu.
   Or
   Press **Alt+T** if the browser menu is not displayed in Internet Explorer.
3. Select **Compatibility View Settings** from the **Tools** menu to display the **Compatibility View Settings** window as shown in Figure 6.

Figure 6 Compatibility View Settings window



Compatibility View Settings

You can add and remove websites to be displayed in Compatibility View.

Add this website:

honeywell.com

Websites you've added to Compatibility View:

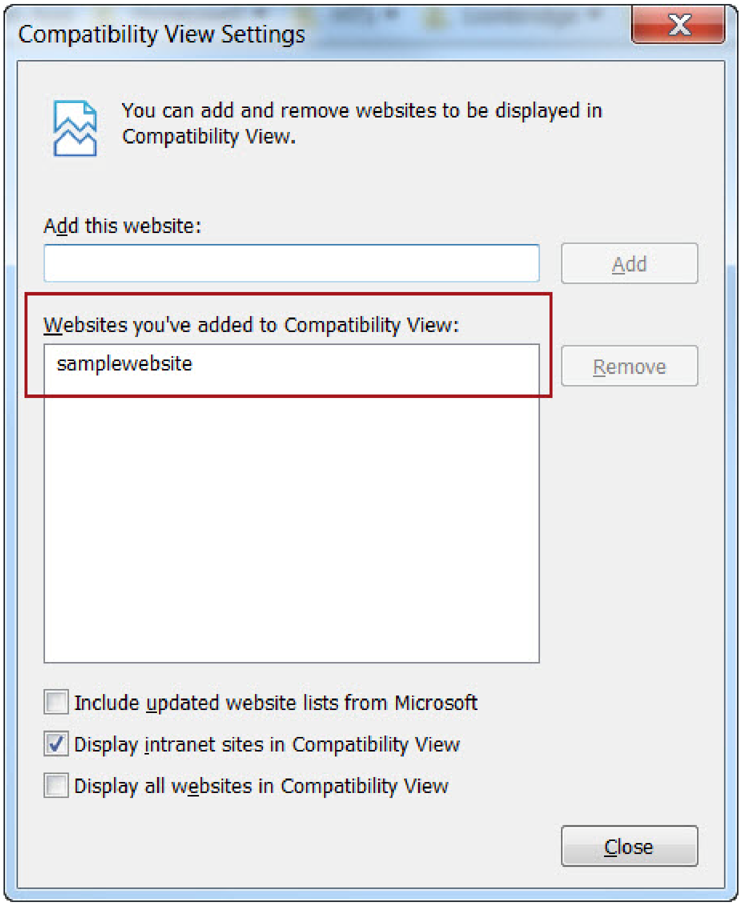
☑ Include updated website lists from Microsoft

☑ Display intranet sites in Compatibility View

☑ Display all websites in Compatibility View

4. Clear the following two check box options from the Compatibility View Settings dialog box:
    a. Display intranet sites in Compatibility View.
    b. Display all websites in Compatibility View.

c. Add the **Server Name** (machine name) where the Pro-Watch Web Server is installed to the “**Websites you’ve added to Compatibility View**” list, as shown below:



You can add and remove websites to be displayed in Compatibility View.

Add this website:

Websites you've added to Compatibility View:
samplewebsite

□ Include updated website lists from Microsoft

☑ Display intranet sites in Compatibility View

□ Display all websites in Compatibility View

Note: The server name may be different for each customer.

5. Click **Close** to close to dialog box.

2.10 Web Client User Account Prerequisites

Make sure you do the following before attempting to log in.

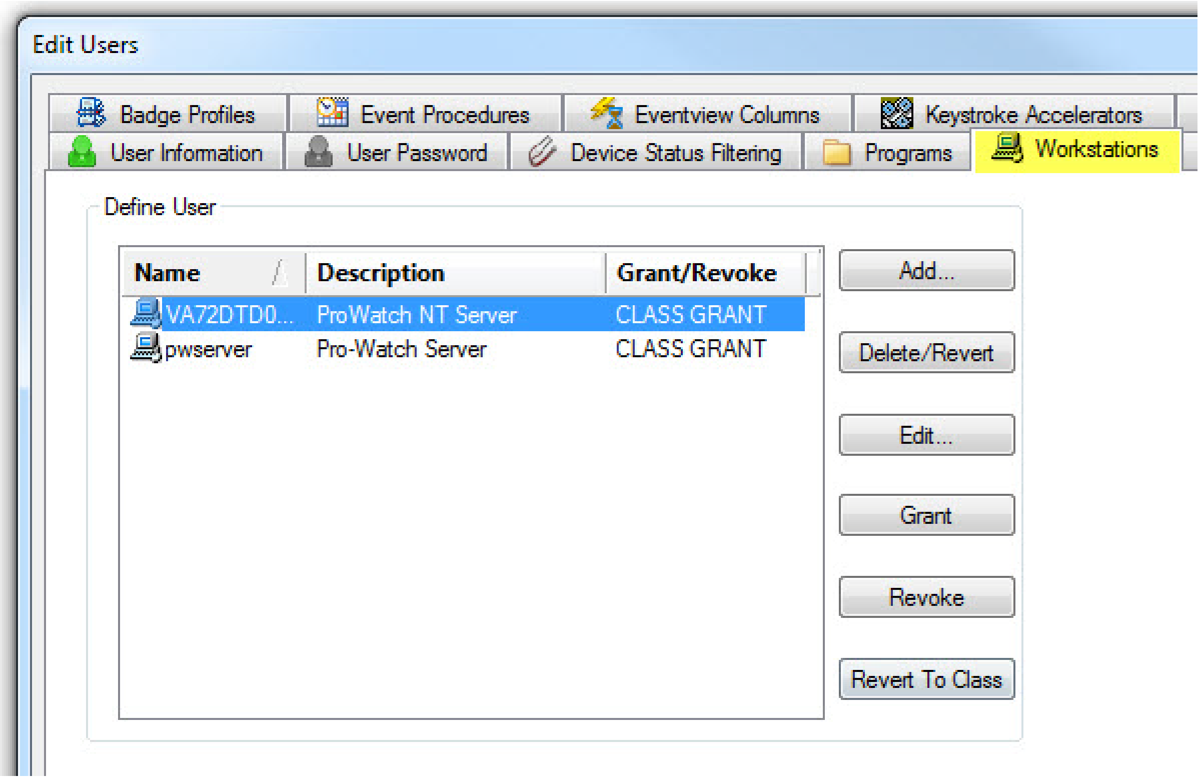
2.10.1 Create a Valid Pro-Watch User Account

Refer to the *Pro-Watch Software Suite 4.3.5 User Guide*, 7-901071V13, Chapter 59 “DBC - Users.”

2.10.2 Assign Web Client Workstation to the User Account

1. In Pro-Watch, select **Database Configuration** > **Users** from the navigation panes to display the user icons on the right pane.

2. Double click your user account to display the **Edit Users** screen:



Name	Description	Grant/Revoke
VA72DTD0...	ProWatch NT Server	CLASS GRANT
pwserver	Pro-Watch Server	CLASS GRANT

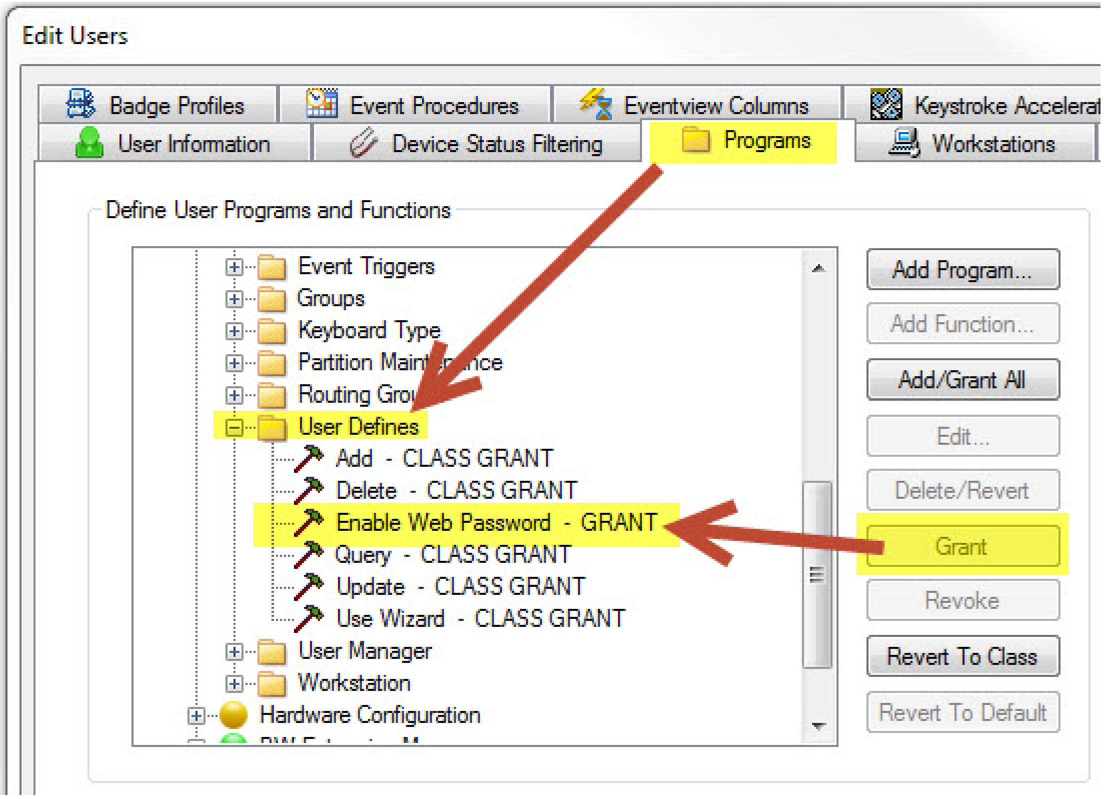
3. If your workstation is not displayed in the **Define User** list, click the **Add** button, browse and find your workstation and add it to the list.
4. If the workstation is not in grant status, select the workstation and click the **Grant** button.
5. When done, click the **OK** button at the bottom of the **Edit Users** screen to close it.

For more information refer to the *Pro-Watch Software Suite 4.3.5 User Guide*, 7-901071V13, Chapter 59 “DBC - Users” and Chapter 60 “DBC - Workstation.”

2.10.3 Enable Your Web Password

1. Select **Database Configuration > Users** from Pro-Watch navigation pane.
2. Double-click your user name/icon to display the **Edit Users** screen.
3. Select the **Programs** tab.
4. In the tree-view, select **Database Configuration > User Defines**.

5. In the **User Defines** list of functions, find the "**Enable Web Password**" function and grant it by clicking the **Grant** button on the right.



6. If "Enable Web Password" is not listed, Click the **Add Function** button, find and select the "**Enable Web Password**" from the list and click **OK**. If the function displays as "Revoked," repeat Step 5 above and continue with Step 7 below.
7. Click **OK** to close the **Edit Users** screen.

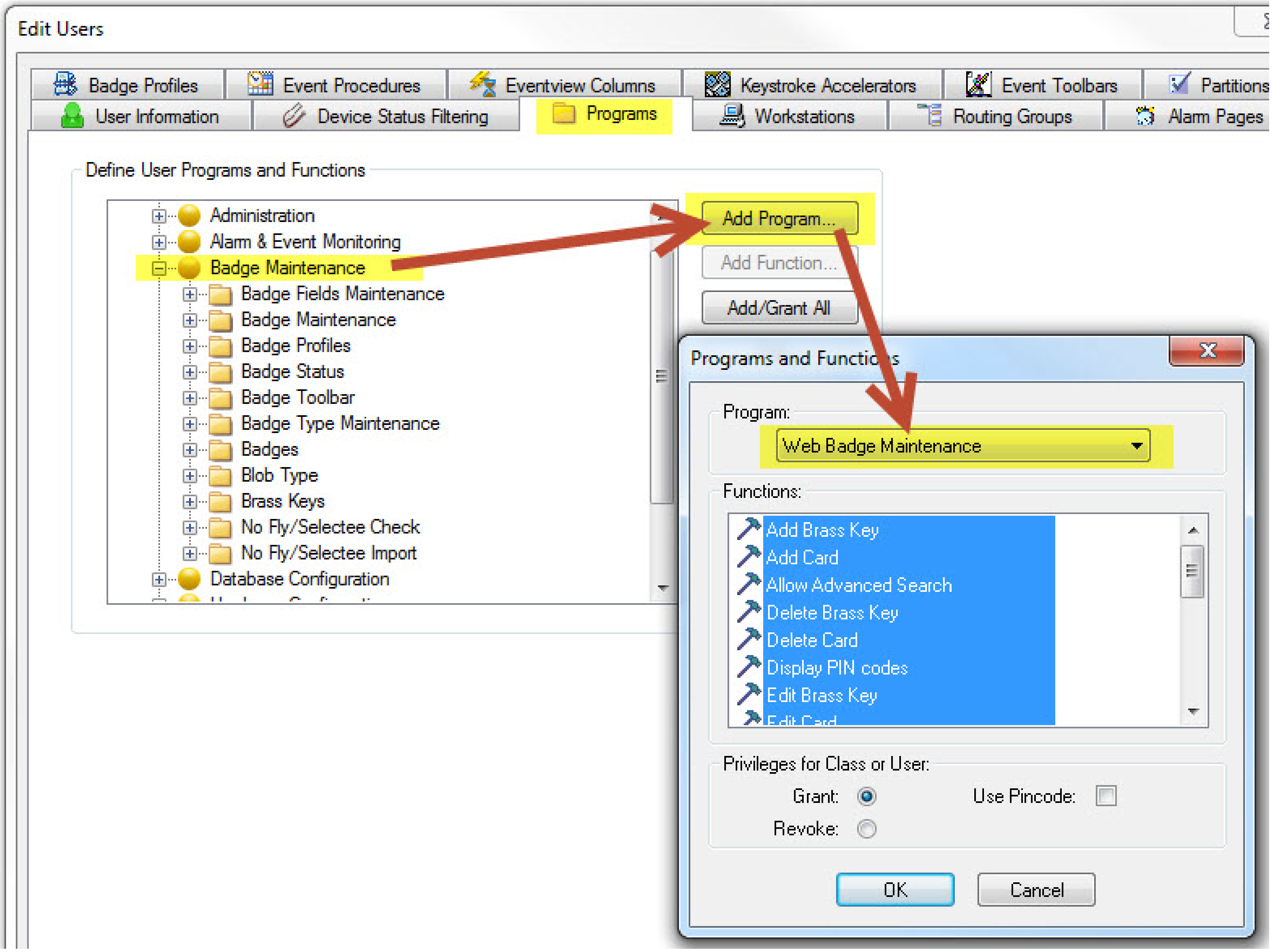
2.10.3.1 Setting the Web Password

1. In the Pro-Watch, click and select **Database Configuration** from the **Viewers** list on the leftmost pane.
2. From the middle pane, click and select the **Users** option.
3. In the right pane, double click the selected user profile to display the **Edit Users** screen.
4. In the **User Information** tab, enter a web password into the **Web Password** field and click **OK**.

2.10.4 Grant Web Badge Maintenance Functions

1. Select **Database Configuration > Users** from Pro-Watch navigation pane.
2. Double-click your user name/icon to display the **Edit Users** screen.
3. Select the **Programs** tab.
4. In the tree-view, select **Badge Maintenance**.

5. Click the Add Program button to display the Programs and Functions dialog box.
6. In the Program drop-down list, find and select the "Web Badge Maintenance" program.
7. Press **Shift** and click to select all desired functions for the user in the **Functions** list box:



Define User Programs and Functions

- Administration
- Alarm & Event Monitoring
- Badge Maintenance
  - Badge Fields Maintenance
  - Badge Maintenance
  - Badge Profiles
  - Badge Status
  - Badge Toolbar
  - Badge Type Maintenance
  - Badges
  - Blob Type
  - Brass Keys
  - No Fly/Selectee Check
  - No Fly/Selectee Import
- Database Configuration

Programs and Functions

Program: Web Badge Maintenance

Functions:

- Add Brass Key
- Add Card
- Allow Advanced Search
- Delete Brass Key
- Delete Card
- Display PIN codes
- Edit Brass Key
- Edit Card

Privileges for Class or User:

Grant: ● Use Pincode: □

Revoke: ○

8. Click **OK** to display the "**Web Badge Maintenance**" sub-directory under the **Badge Maintenance** directory. Make sure all the functions inside the directory are "granted." If not select them one by one and click the **Grant** button.
9. Click **OK** to close the **Edit Users** screen.

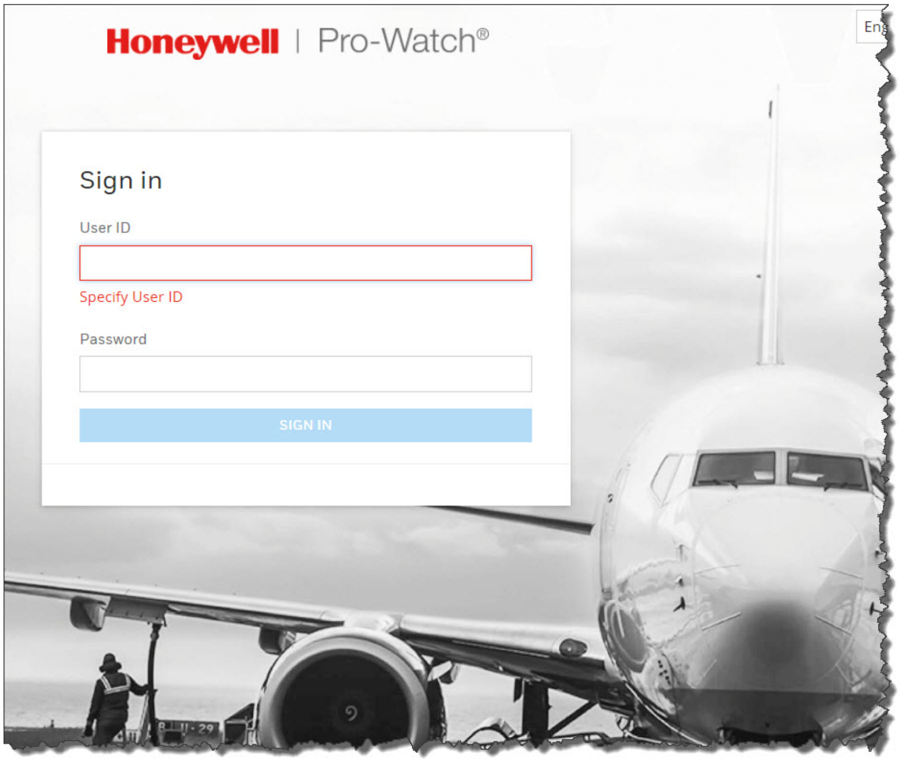
2.11 Pro-Watch Web Client Login

To access the Pro-Watch Web Client:

1. Open Windows Internet Explorer and navigate to https://prowatchlab05.cloudapp.net/ISPWebUI/Signin to display the login page.

Note: Make sure that you always use the hostname to access the web pages.

Figure 7 *Pro-Watch Web Login Page*



2. Type in your **User ID** and **Password**.

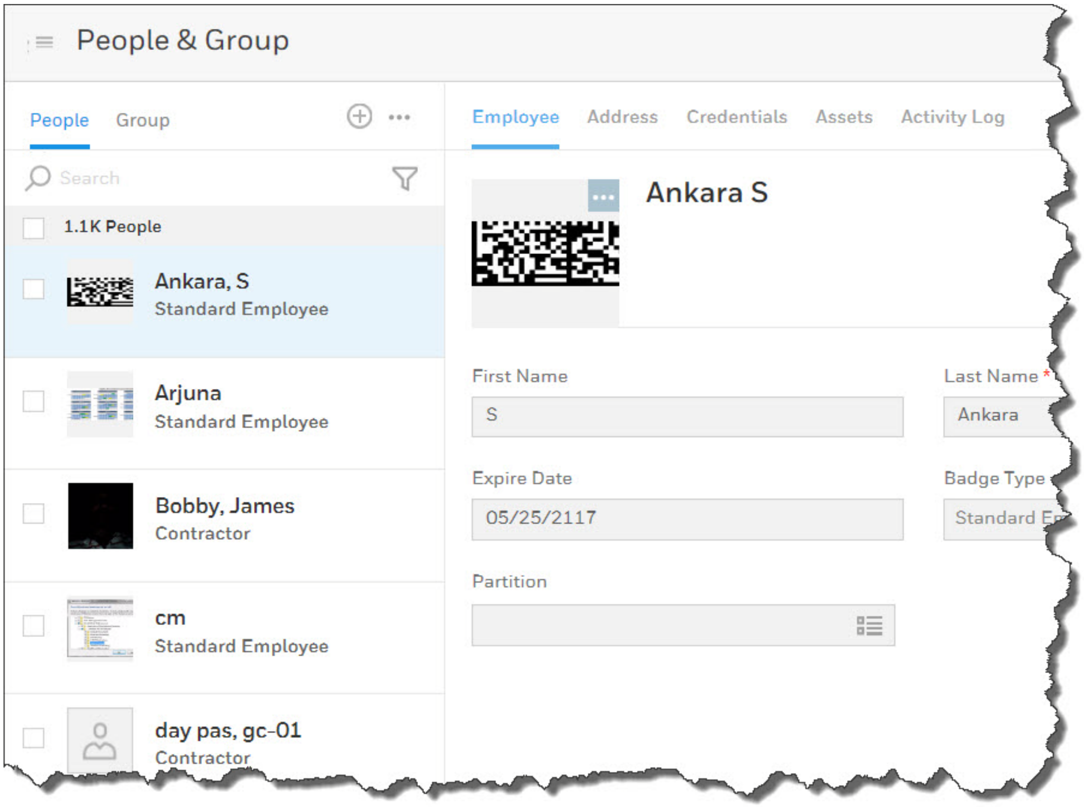
Note: This is not the Windows login UserID/Password, it is the Pro-Watch Login Name and Web Password set in Pro-Watch. Refer to **Editing Users** in *Pro-Watch® Software Suite Release 4.3.5 User Guide, 7-901071V13* about setting Web Client passwords for Pro-Watch users. Also see Enable Your Web Password in this section.

3. Click the **Login** button to display the Pro-Watch Web Client interface page.

If the login is successful, **the Pro-Watch Web Client Home page** Figure 8 is displayed.

Note: If you are using IE11 browser, there may be a delay in page loading.

Figure 8 *Pro-Watch Web Client Home Page*



□ 1.1K People

□	Ankara, S	Standard Employee
□	Arjuna	Standard Employee
□	Bobby, James	Contractor
□	cm	Standard Employee
□	day pas, gc-01	Contractor

Ankara S

First Name: S

Last Name *: Ankara

Expire Date: 05/25/2117

Badge Type: Standard E

Partition:

2.11.1 Login Troubleshooting Notes

2.11.1.1 Login and 3-Tier System Setup

In a 3-tier system setup, you may have difficulty with logging in even when you present valid credentials. (PW-11234)

2.11.1.2 Workaround Solution

If you continue to get login error messages, try the following workaround solution:

1. Take backup of the existing **web.config**.
2. Modify the **web.config** and remove the following keys:

```
<customErrors mode="Off" />


<httpErrors errorMode="Custom"
existingResponse="Replace">

<remove statusCode="404" subStatusCode="-1" />

<remove statusCode="500" subStatusCode="-1" />

<error statusCode="404" path="Error.html"
responseMode="File" />

<error statusCode="500" path="Error.html"
responseMode="File" />
```

```
</httpErrors>
```

3. Application will now display .NET or IIS error page which will have detailed information.
4. Make changes in the configuration to prevent the error.
5. Restore the config file from the backup. (PW-11158)

2.12 Home Page

The Pro-Watch Web Client **Home page** is shown in Figure 8 on page 55. The following sections describe the features of the Pro-Watch Web Client Home page.

2.12.1 Home Navigation Links

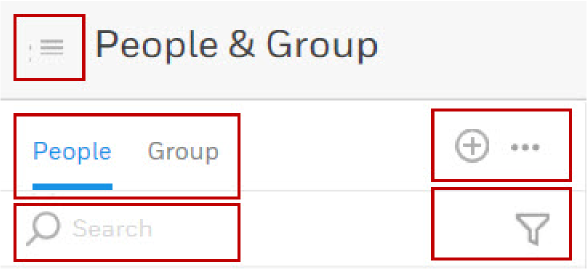


Table 2 Home Navigation Links

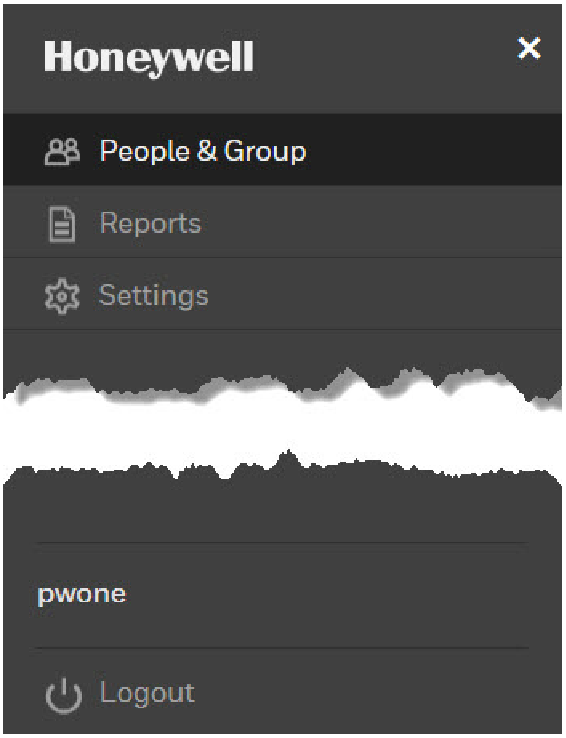
Link	Description
≡	Click to display the **Honeywell Menu** to display the following options:  Honeywell × People & Group Reports Settings pwone Logout Click **People & Group** to display the Badging module. Click **Report** to display the Report module. Click **Settings** to display the Settings module. Click **Logout** to log out of the web client. **NOTE:** You can display this menu by clicking the **"People & Group" title** as well.

Table 2 Home Navigation Links

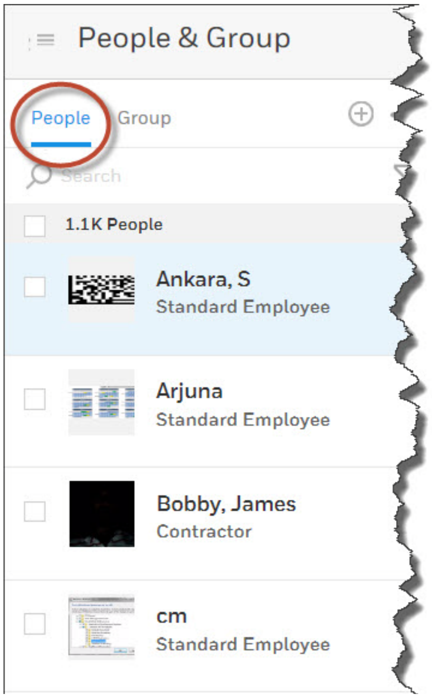
Link	Description
People	Click **People** to display the list of badge-holders:  People & Group People Group Search 1.1K People Ankara, S Standard Employee Arjuna Standard Employee Bobby, James Contractor cm Standard Employee Click a badge-holder name to display the respective badging record information on the right pane.

Table 2 Home Navigation Links

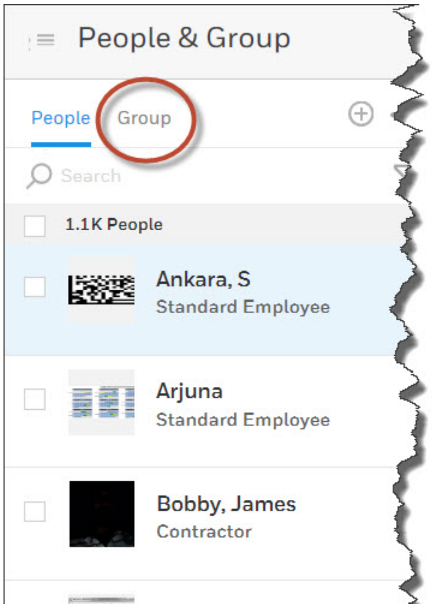
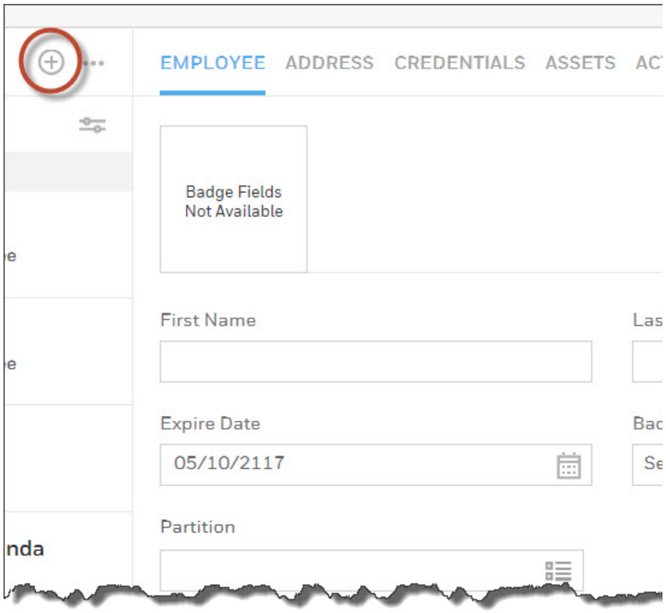
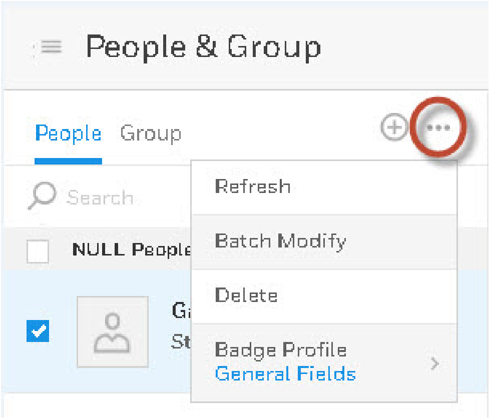
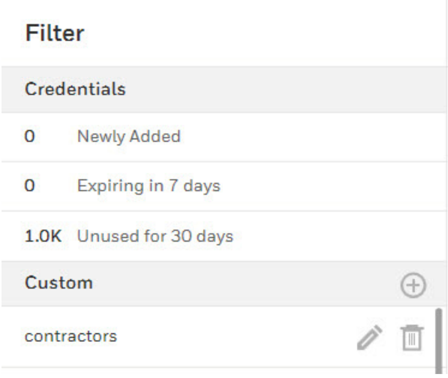
Link	Description
Group	Click **Group** to display the list of groups available to assign to individual badge-holders:  People & Group People Group Search 1.1K People Ankara, S Standard Employee Arjuna Standard Employee Bobby, James Contractor Click a group name to display the respective group information on the right pane.
⊕	Click the **ADD** link to add a new badge record (displayed in the right pane):  EMPLOYEE ADDRESS CREDENTIALS ASSETS AC Badge Fields Not Available First Name Las Expire Date 05/10/2117 Bac Se Partition e e nda

Table 2 Home Navigation Links

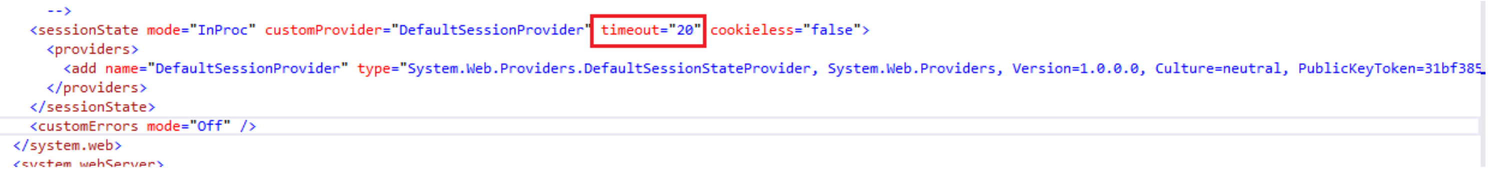
Link	Description
•••	Click the **Actions** link to display badge-related links **Refresh, Batch Modify, Delete,** and **Badge Profile > General Fields:**  People & Group People Group Search NULL People Refresh Batch Modify Delete Badge Profile General Fields
▽	Click the **Filter** link to display the list of **predefined** and **user-defined custom** filters. More about this in the Filtering section:  Filter Credentials 0 Newly Added 0 Expiring in 7 days 1.0K Unused for 30 days Custom contractors
Search	Search the badge records by typing in a case-insensitive search term. The search term can be partial as well, provided no letters are omitted from the beginning of the word.

2.12.2 Time out for Session

The Pro-Watch Web Client session will time out after a stipulated amount of time when:

- the user leaves the web session for a stipulated time without any actions.
- there is no activity performed by the user within the session.
- the browser is closed without logging off the session.

You can set the session time out in the **web.config** file located on the Pro-Watch Web Server Host, as shown below:



```
    -->
  <sessionState mode="InProc" customProvider="DefaultSessionProvider" timeout="20" cookieless="false">
    <providers>
      <add name="DefaultSessionProvider" type="System.Web.Providers.DefaultSessionStateProvider, System.Web.Providers, Version=1.0.0.0, Culture=neutral, PublicKeyToken=31bf385
    </providers>
  </sessionState>
  <customErrors mode="Off" />
</system.web>
<system.webServer>
```

Refer to *Pro-Watch® Software Suite 4.3.5 Installation Guide, 7-901073V11* for more information on how to set the time out for a session.

2.13 Modules

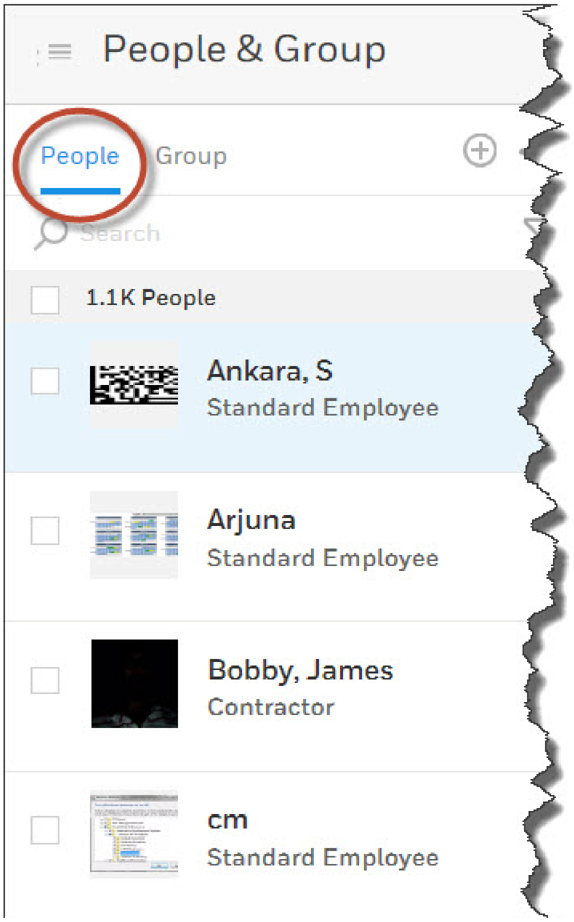
The Pro-Watch Web Client allows the user to access the following modules:

- **Badging**: Refer to the Badging section.
- **Report**: Refer to the Reporting section.
- **Settings**. Refer to the Settings section.

2.14 Badging

Click the **Honeywell Menu** (3 horizontal bars) on the Home page and select **People & Group** link to display the Badge-Records Badging screen:

Figure 9 *Badge-Records Screen*



People & Group

People

Group

Search

□ 1.1K People

□ Ankara, S
Standard Employee

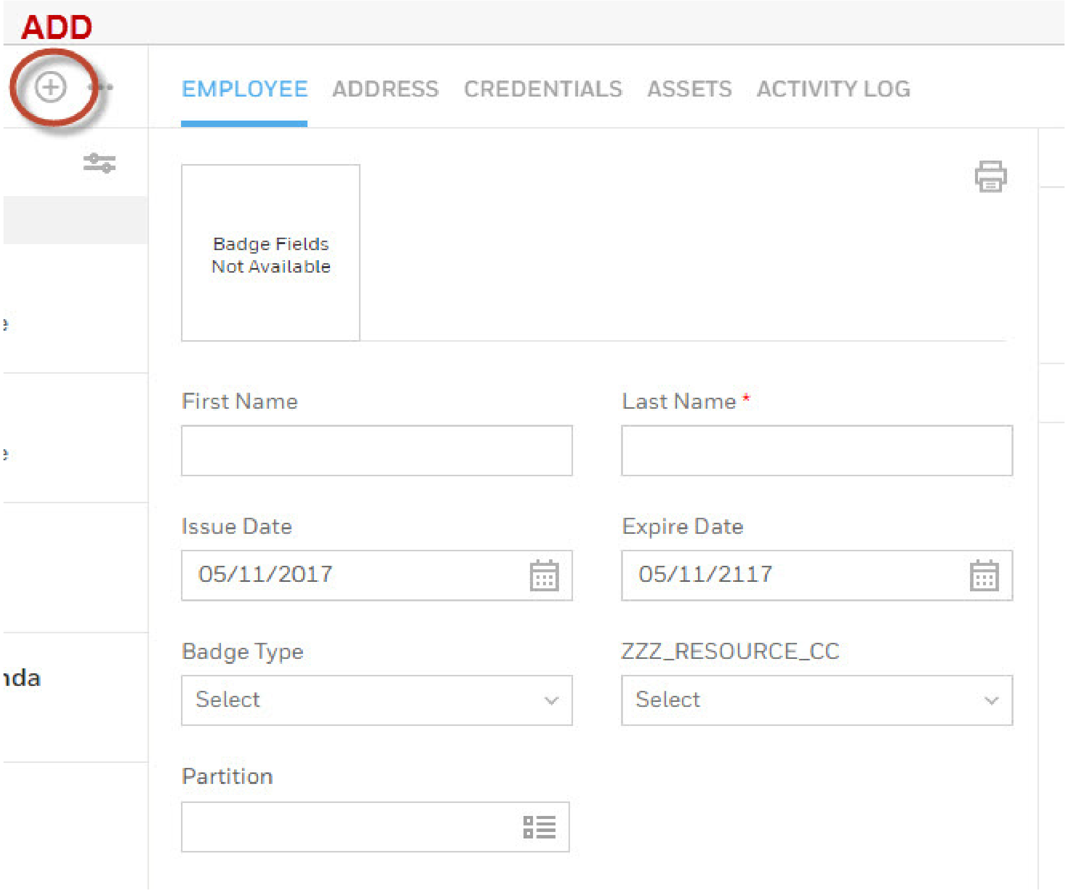
□ Arjuna
Standard Employee

□ Bobby, James
Contractor

□ cm
Standard Employee

2.14.1 Adding a Badge Record

Click the **ADD** link to display the **EMPLOYEE** tab of a new badge record.



First Name

Last Name *

Issue Date 05/11/2017

Expire Date 05/11/2117

Badge Type Select

ZZZ_RESOURCE_CC Select

Partition

2.14.1.1 Employee Tab

Note: The name of this tab, "Employee," is configurable in **PW Badge Builder** module. It can be changed to anything else like "Profile," for example.

1. Click the pencil icon to enter the editing mode.
2. Enter a **First Name, Last Name** (mandatory).
3. Select an **Issue Date** and **Expire Date** from the respective drop-down calendars.
4. Select a **Badge Type, Clearance Code**, and **Partition** from the respective drop-down lists.
5. Click **Save**.

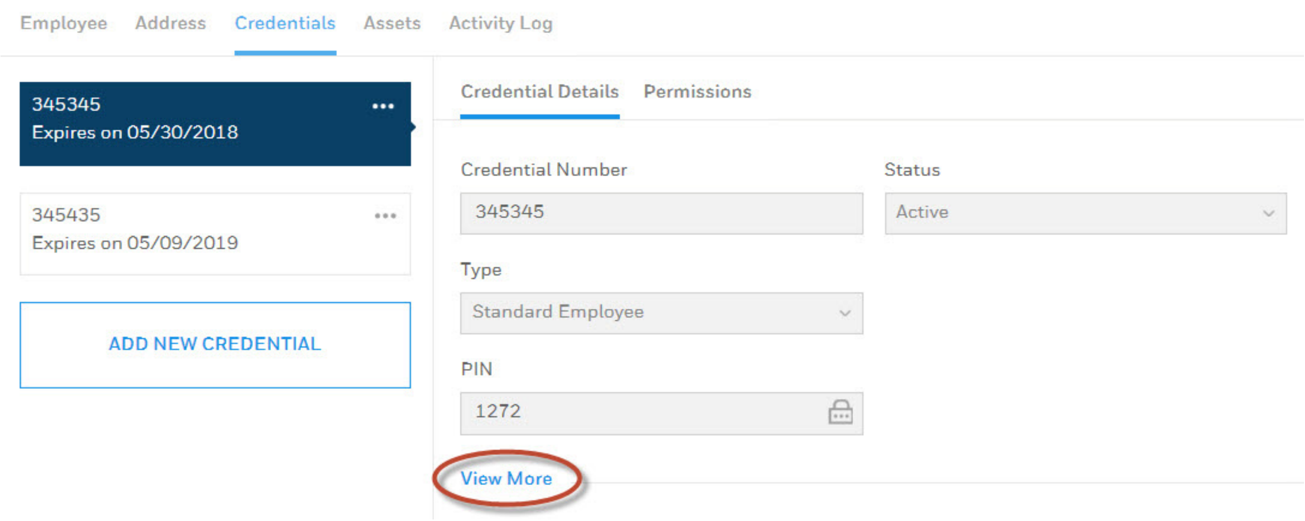
2.14.1.2 Address Tab

1. Click the pencil icon to enter the editing mode.
2. Enter appropriate values for the **Address 1, Address 2, City, State,** and **Zip Code** fields.
3. Click **Save**.

2.14.1.3 Credentials Tab

Note: The name of this tab, in contrast to the other tab names, is not configurable.

A credential can be a card or some other authorization token. All card are credentials but all credentials are not cards.



Credential Number: 345345

Status: Active

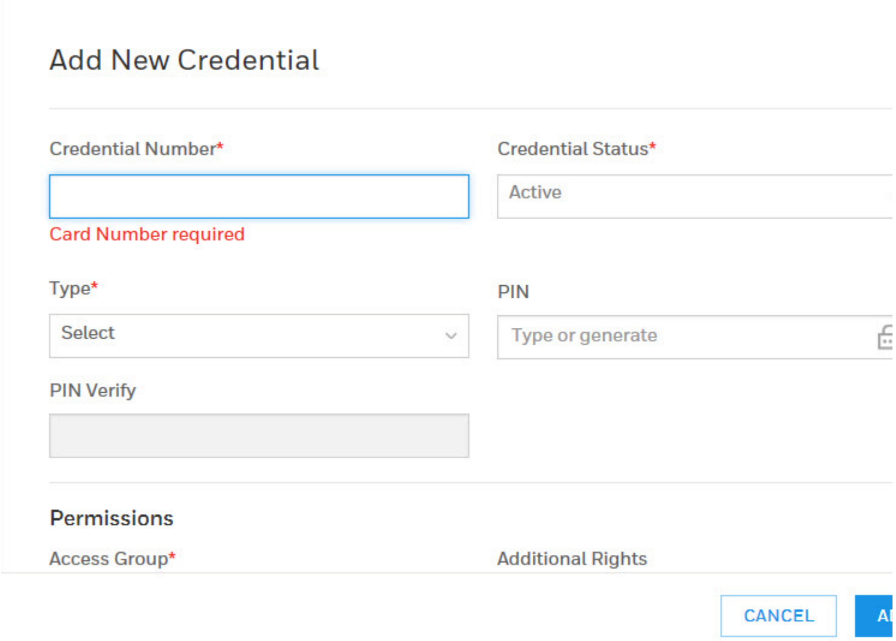
Type: Standard Employee

PIN: 1272

Credentials > Credential Details Sub-Tab

Click the **View More** and **View Less** dynamic link to view all the credentials fields or only a subset of them.

1. Click the **Add New Credential** button (”**+**”) to display the **Add New Credential** screen:



Add New Credential

Credential Number*

Card Number required

Credential Status*: Active

Type*: Select

PIN: Type or generate

PIN Verify

Permissions

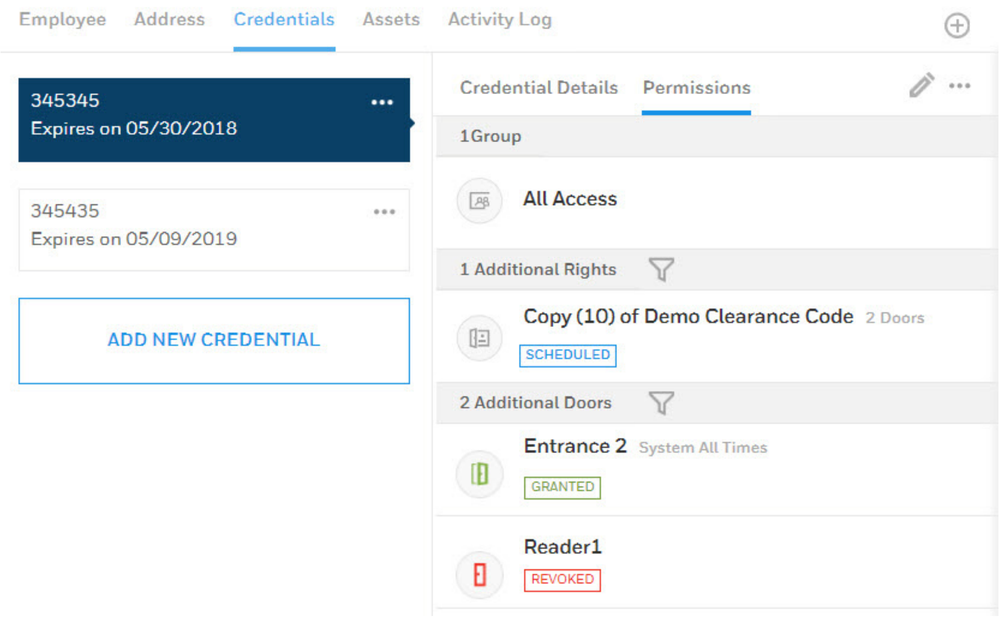
Access Group*

Additional Rights

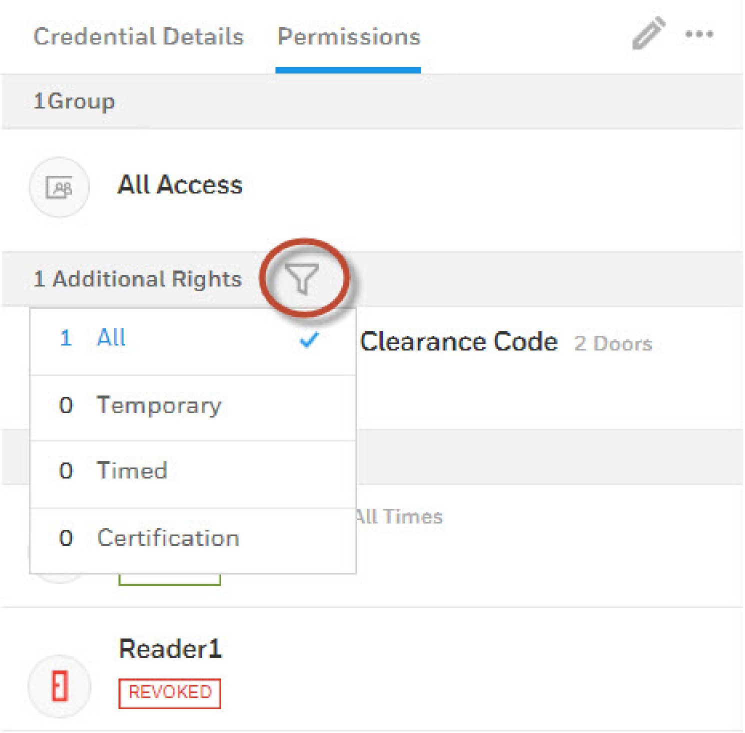
2. Enter an appropriate value for the **Card Number** field.
3. Select an appropriate value for **Card Status** and **Card Type** from their respective drop-down lists.
4. Type a **PIN** (Personal Identification Number) or generate a random one by click the generate icon. Enter the PIN to **PIN Verify** field to verify it.
5. Select an **Access Group** and **Additional Rights** from their respective dynamic side-popping lists.
6. Select **Activate** and **Deactivate** dates from their respective pop-up calendars.
7. Click **Add** to list the new credential in the left pane.
8. To edit, click the pen icon on the upper-right corner and edit the fields appropriately. When done, click **Save**.

Credentials > Permissions Sub-Tab

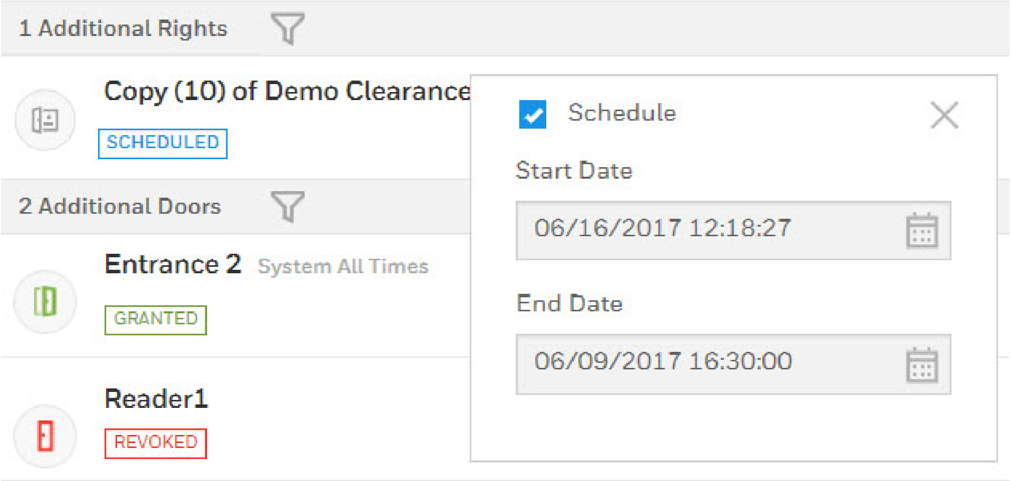
You can view all the permissions assigned to a credential in the **Permissions sub-tab**:



1. To view a summary of **Additional Rights**, click the **filter icon** on the upper-right:



2. To **schedule** any additional right, hover your cursor and click the **Calendar** icon to select a schedule from the pop-up **Start Date** and **End Date** fields:



1 Additional Rights

Copy (10) of Demo Clearance
SCHEDULED

2 Additional Doors

Entrance 2 System All Times
GRANTED

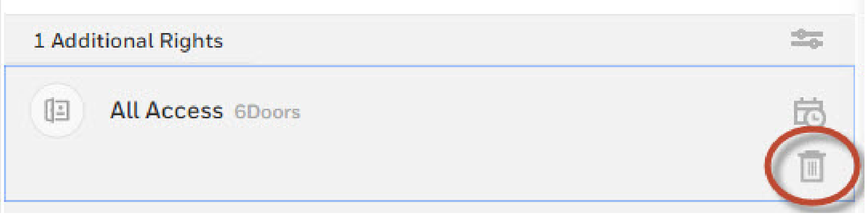
Reader1
REVOKED

☑ Schedule

Start Date
06/16/2017 12:18:27

End Date
06/09/2017 16:30:00

3. To **delete** an additional right, click the **Delete** icon (which deletes without any further warning):

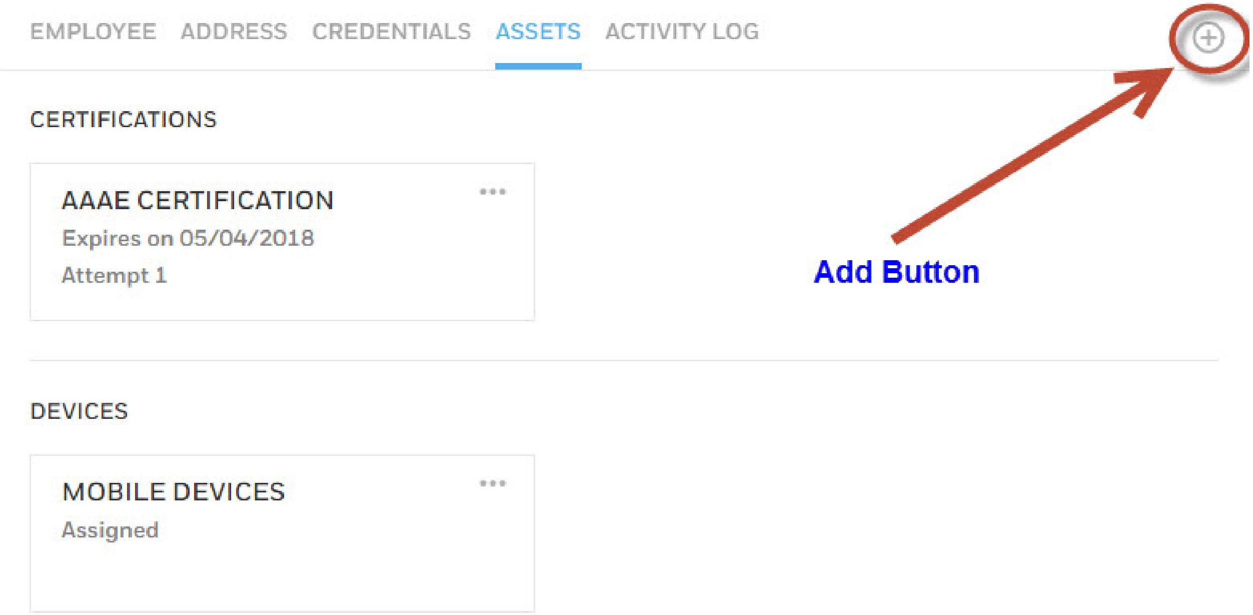


1 Additional Rights

All Access 6Doors

2.14.1.4 Assets Tab

An asset can be a certificate or a device. Click the **Assets** tab to view, add, or edit an asset:



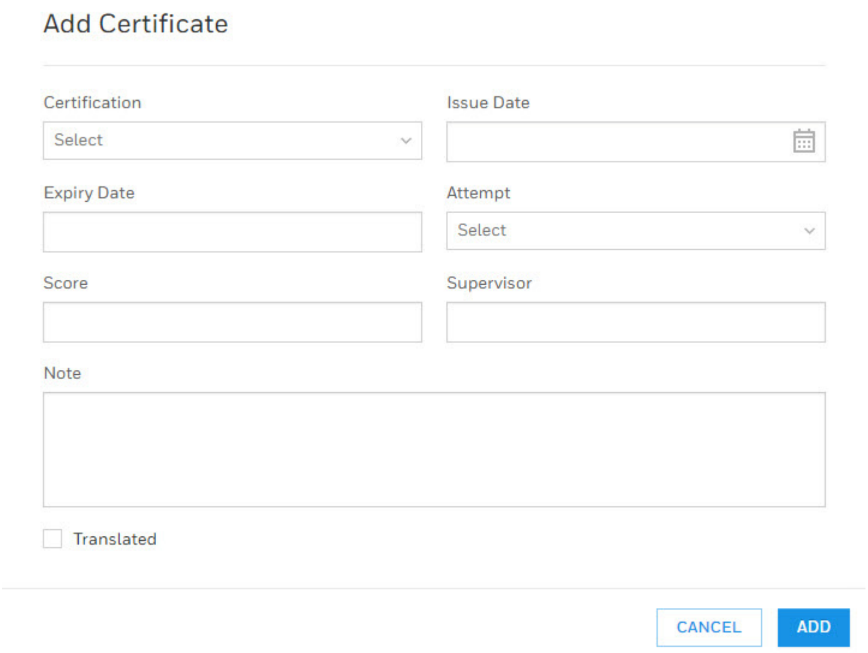
CERTIFICATIONS

AAAE CERTIFICATION
Expires on 05/04/2018
Attempt 1

DEVICES

MOBILE DEVICES
Assigned

1. To add a certificate, click the **add button** ("+") on the upper-right and select **Certificate** to display the **Add Certificate** screen:

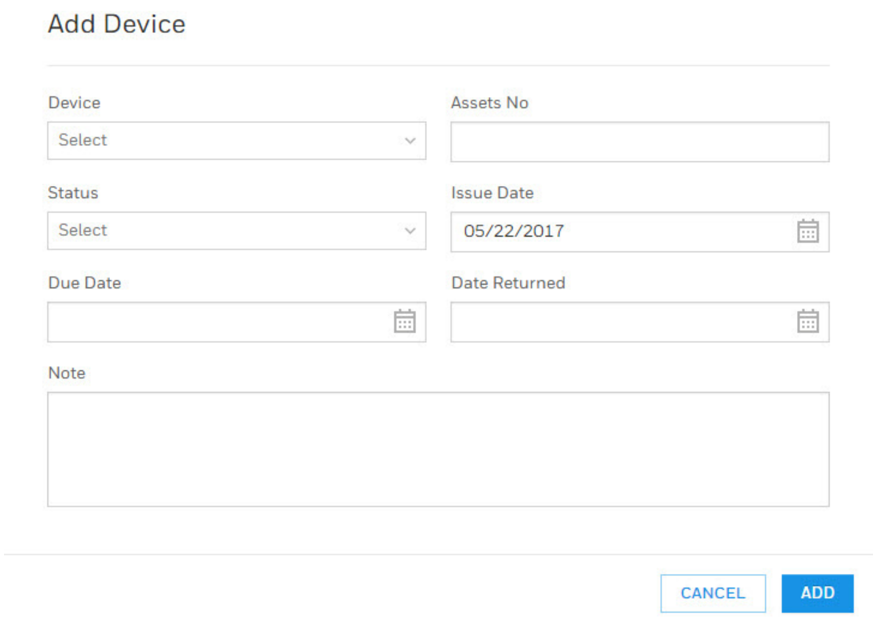


Add Certificate

Certification: Select
Issue Date:
Expiry Date:
Attempt: Select
Score:
Supervisor:
Note:
□ Translated

2. Select a certificate from the **Certification** drop-down list.
3. Select an issue date in the past from the **Issue Date** drop-down calendar.

4. Enter an **Expiry Date**.
5. Select a numeric value for **Attempt** from the drop-down list.
6. Enter appropriate values for the **Score**, **Supervisor** and **Note** fields.
7. Select **Translated** check-box if appropriate.
8. Click **Add**.
9. To add a device, click the **add button** ("+") on the upper-right and select **Device** to display the **Add Device** screen:



Add Device

Device: Select

Assets No:

Status: Select

Issue Date: 05/22/2017

Due Date:

Date Returned:

Note:

10.Select a device from the **Device** drop-down list.

11.Enter an **Asset No**.

12.Select a status from the **Status** drop-down list

13.Select an **Issue Date** from the pop-up calendar.

14.Select a **Due Date** from the pop-up calendar.

15.Select a **Date Returned** from the pop-up calendar.

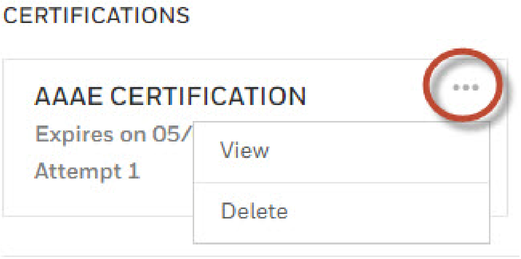
16.Enter notes, of any, in the **Note** field.

17.Click **Add**.

To Edit a Certification or Device

1. Select the certificate or device.

2. Click the **Actions link** to display the drop-down menu:



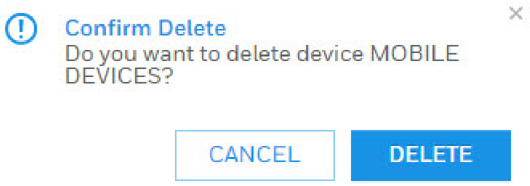
CERTIFICATIONS

AAAE CERTIFICATION
Expires on 05/
Attempt 1

3. Select **View** to display the respective editing screen.
4. Click the **pencil icon** to activate the editing mode.
5. Make the necessary edits to the fields you want.
6. Click **Save**.

To Delete a Certification or Device

1. Select the certificate or device.
2. Click the **Actions link** to display the drop-down menu.
3. Click **Delete**. The system will prompt you with the following confirmation message:



Confirm Delete
Do you want to delete device MOBILE DEVICES?

4. Click **Delete**.

2.14.1.5 Activity Log Tab

Perform an activity search by selecting appropriate **Start Date & Time** and **End Date & Time** from the respective pop-up calendars.

2.14.1.6 Notes Tab

To add a note to a badge record, click the **ADD NOTE** button. Select either the **Alarm** or **Critical** check-box. Type in your note in the text box. Click **Save**.

2.14.2 Editing a Badge Record

Select the badge record. Click the **PENCIL** icon on the upper-right corner to activate the editing mode:

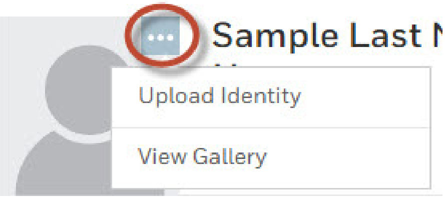
✎

Edit all the fields you like; then click **Save**.

See the sub-section below on **Editing a Badge Image**.

2.14.3 Editing a Badge Image

1. Select the badge record.
2. Click the **PENCIL** icon on the upper-right corner to activate the editing mode.
3. Click the **Actions link** on the image to display the pop-up menu.:



4. Select **Upload** Identity to launch the **Upload Identity** screen:

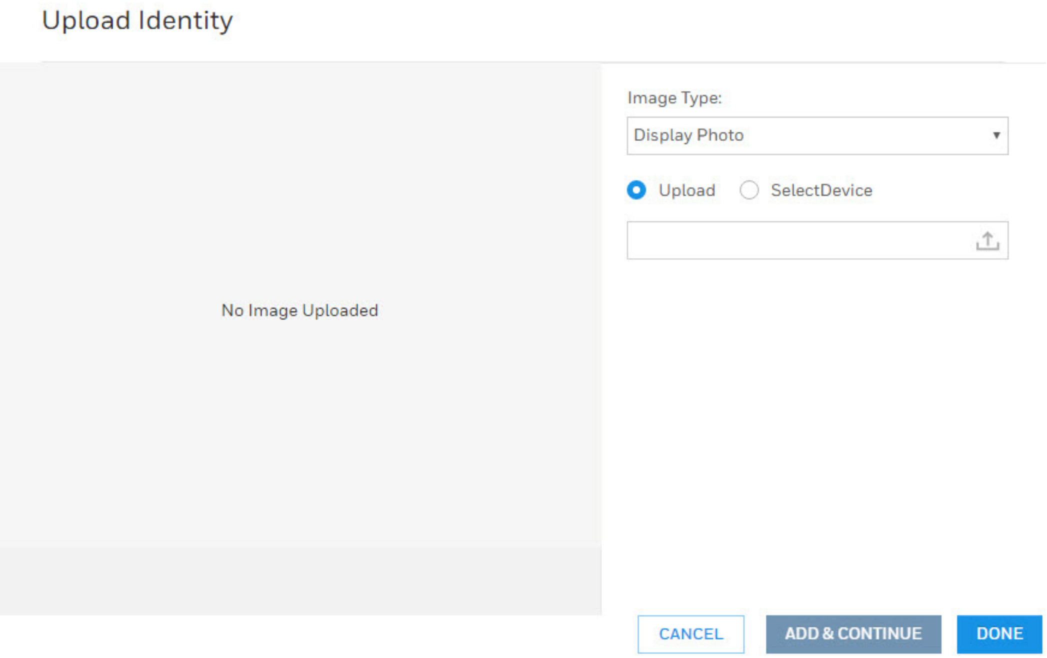
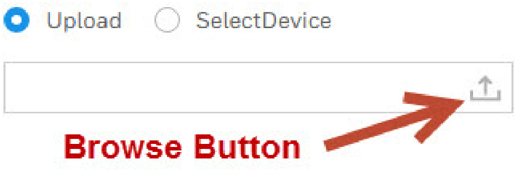

Upload Identity

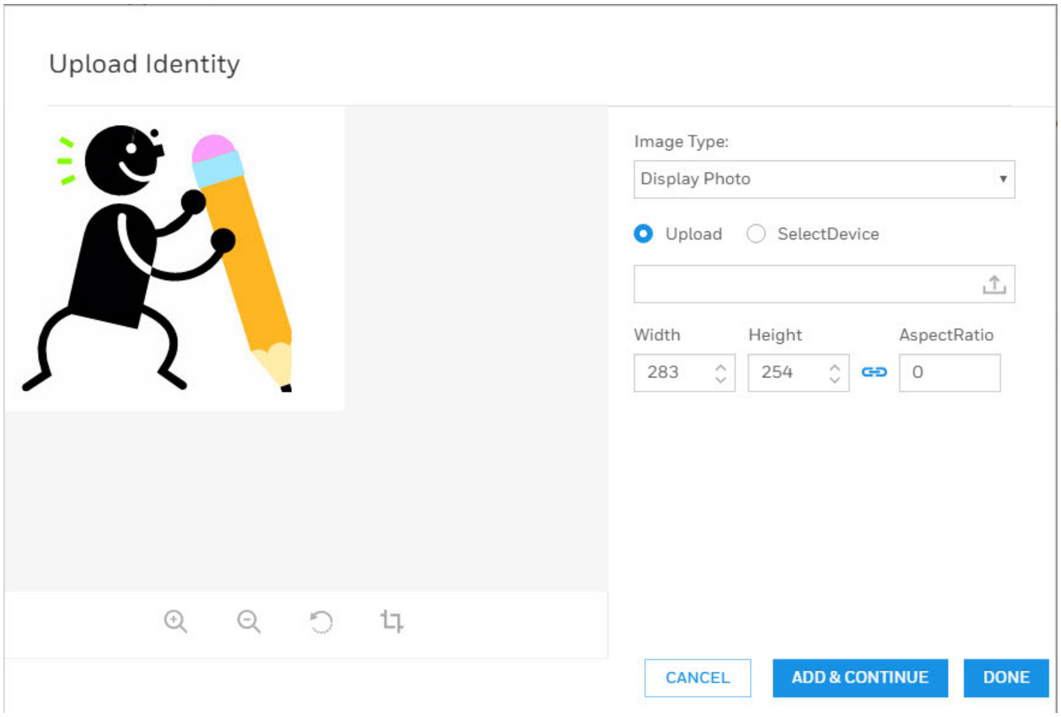
Image Type: Display Photo

● Upload ○ SelectDevice

5. Select an **Image Type** from the drop-down menu.
6. Select **Upload** option-button. Then click the **Browse Button** to find the image you want to load:


● Upload ○ SelectDevice

7. Browse and select an image. Click **Open** to upload the image to the **Upload Identity** page:



Upload Identity

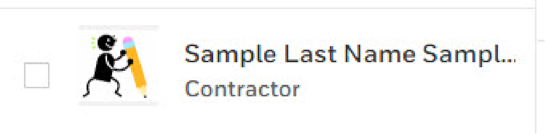
Image Type: Display Photo

● Upload ○ SelectDevice

Width: 283 Height: 254 AspectRatio: 0

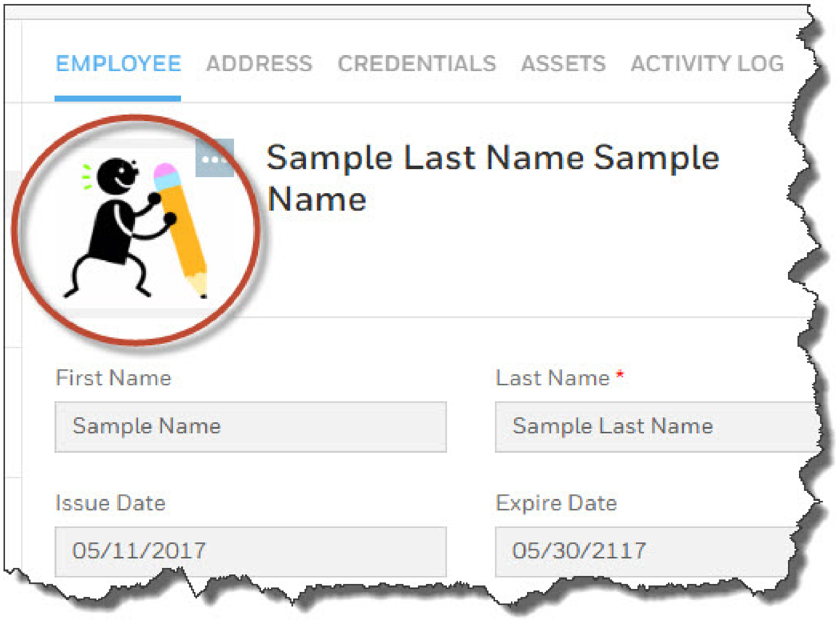
8. Crop the image before saving. Please note that the crop window size is as per the user-defined **Width**, **Height** (both in pixels) and **Aspect Ratio** (like 4:3 or 16:9) in the **Upload Identity Window**.

9. Click **Done** to return to the **EMPLOYEE tab**. Click **Save**. The image will be display in the badge record list:



□ Sample Last Name Sampl...
Contractor

10.Select and double-click the badge record to have the new image display in the full badge record as well:



Sample Last Name Sample Name

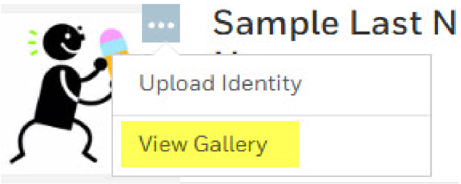
First Name: Sample Name

Last Name *: Sample Last Name

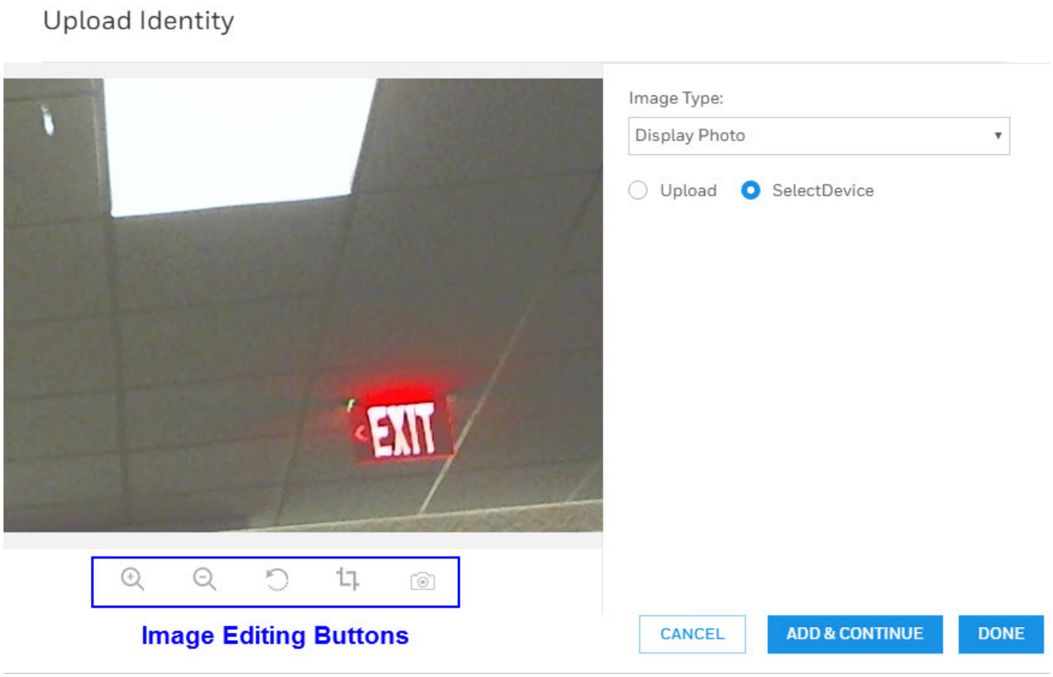
Issue Date: 05/11/2017

Expire Date: 05/30/2117

11.You can view an existing image from the image gallery by selecting the **View Gallery** option from the drop-down menu:



12. To capture an image from a device, select **Select Device** option-button in the **Upload Identity** screen:



Upload Identity

Image Type: Display Photo

○ Upload ● SelectDevice

13. Rotate, crop and edit the image by using the **Image Editing Buttons** displaying underneath the image.

14. Click **Add & Continue** to save the image and continue.

    Note: A BLOB type image can be saved either to a database or to a file location (if the “File System Storage” check-box is selected in BLOB properties screen). When a user saves an image to a shared file location, **ISPWebUIAppPool** should be given folder permission. To do that, go to the folder, right-click to select Properties, go to the Security tab and add the Application ID to the list with appropriate Read/Write permission.

15. Click **Done** to return to the **EMPLOYEE tab**. Click **Save**. The edited image will be display in the badge record.

2.14.4 Deleting a Badge Record

1. Select the badge record you want to delete.
2. Click the **Actions link** to display the drop-down menu.
3. Select **Delete**.

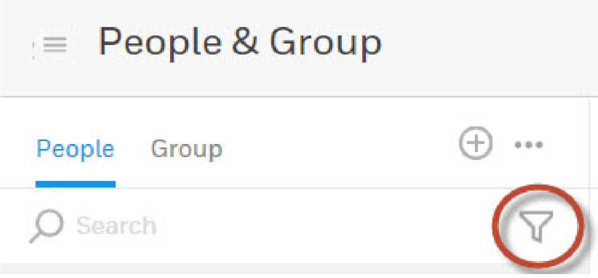
2.14.5 Searching for a Badge

In the **Search Badge** screen, enter any search value in the text field. Then, click the **Search** button. You can search by **First Name**, **Last Name**, and **Card Number**.

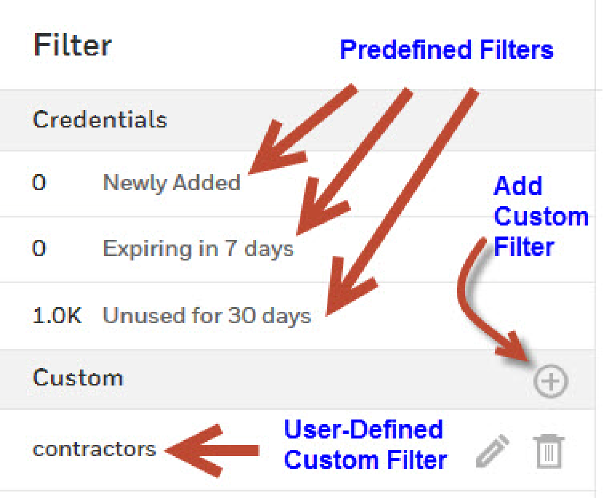
The system will either return the badge you are searching for, or, if there are more than one badges that satisfy the search criteria, it will return multiple results. You can select the one you like.

2.14.6 Advanced Search Filters

You can perform an advanced search for badges by clicking the **filter** (funnel) **icon:**

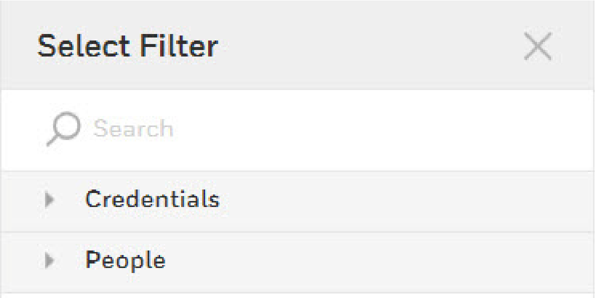


Clicking the filter icon will display a list of **predefined** (but configurable) and **user-defined custom** filters:

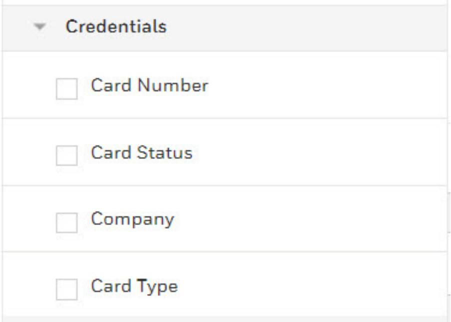


2.14.7 Adding a New Custom Filter

To add a custom filter click the **Add** ("+") **button** to display the Select Filter list:

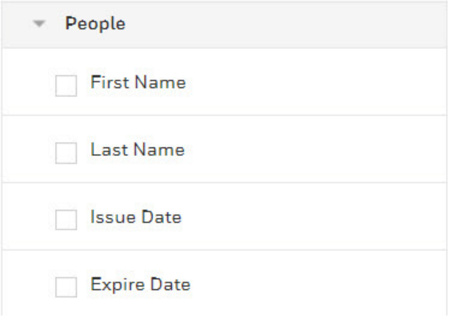


Select to expand the **Credentials** and/or **People** lists and select the filtering criteria you like:



Credentials

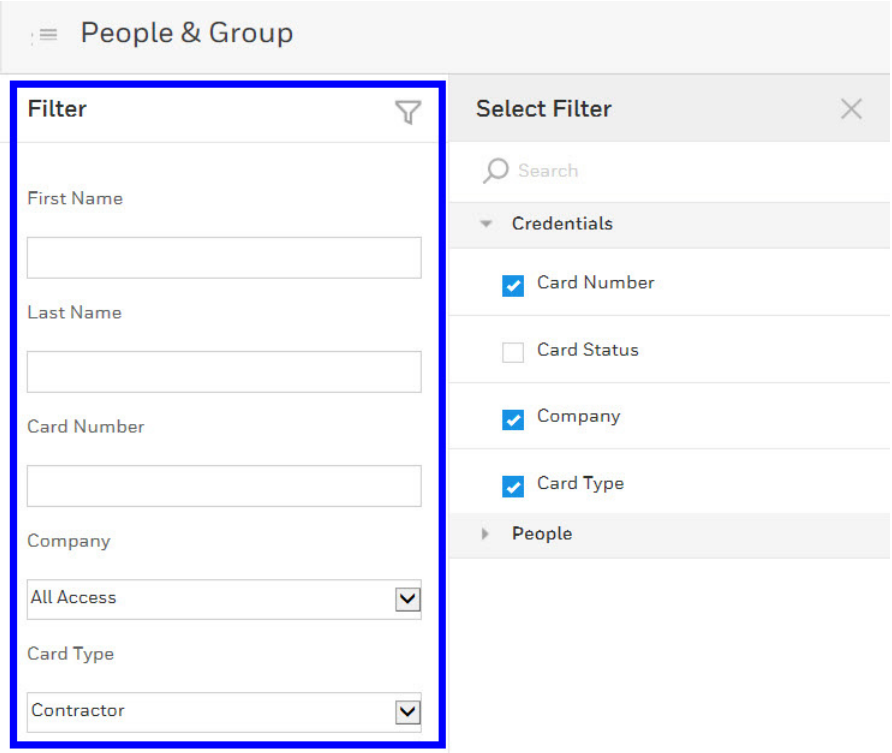
- □ Card Number
- □ Card Status
- □ Company
- □ Card Type



People

- □ First Name
- □ Last Name
- □ Issue Date
- □ Expire Date

The variables you've selected will be displayed on the Filter profile:



People & Group

Filter

First Name

Last Name

Card Number

Company

All Access

Card Type

Contractor

Select Filter

Search

Credentials

- ☑ Card Number
- □ Card Status
- ☑ Company
- ☑ Card Type

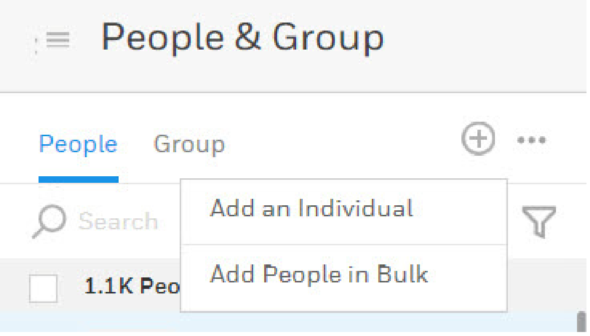
People

Click **Save** to save the custom filter(s) for future use.

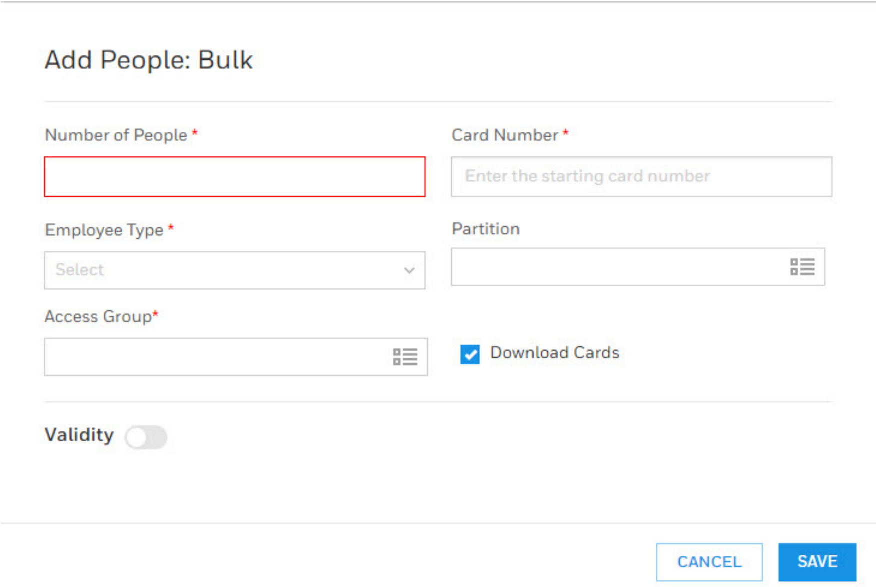
Click **Apply** to generate the filtered results.

2.14.8 Adding Badges in Bulk

1. Click **Add button ("+")** to display the drop-down add-functions list:



2. Select **Add People in Bulk** to display the **Add People: Bulk** add screen:



Add People: Bulk

Number of People *

Card Number *
Enter the starting card number

Employee Type *
Select

Partition

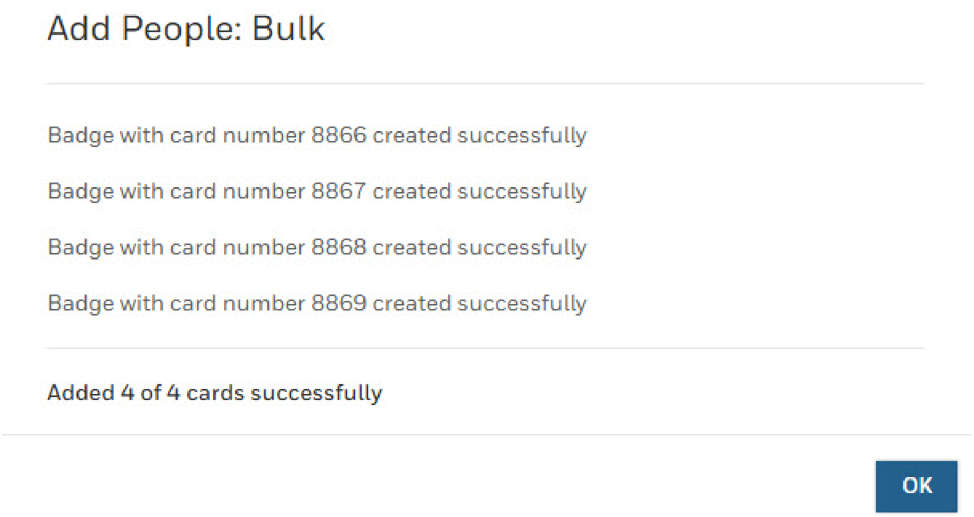
Access Group*

☑ Download Cards

Validity

3. Enter the **Number of People** and the **Starting Card Number**.
4. Select appropriate values from the respective drop-down lists for **Employee Type**, **Partition**, and **Access Group**.
5. Toggle the **Validity** button to turn it **GREEN**.
   a. Select an **Activate** date and time from the pop-up calendar and clock to activate the badge(s).
   b. Select **Duration** and specific number of **Weeks**, **Months** or **Years** after which to **Deactivate** the badge(s).
   c. Select **Date** and a date and time from the pop-up calendar and clock on which to Deactivate the badge(s).
6. Select **Download Cards** check-box to download the card immediately.

7. Click **Save** to add badges in bulk. When all cards are created successfully, the system will display a message similar to this:



Add People: Bulk

Badge with card number 8866 created successfully

Badge with card number 8867 created successfully

Badge with card number 8868 created successfully

Badge with card number 8869 created successfully

Added 4 of 4 cards successfully

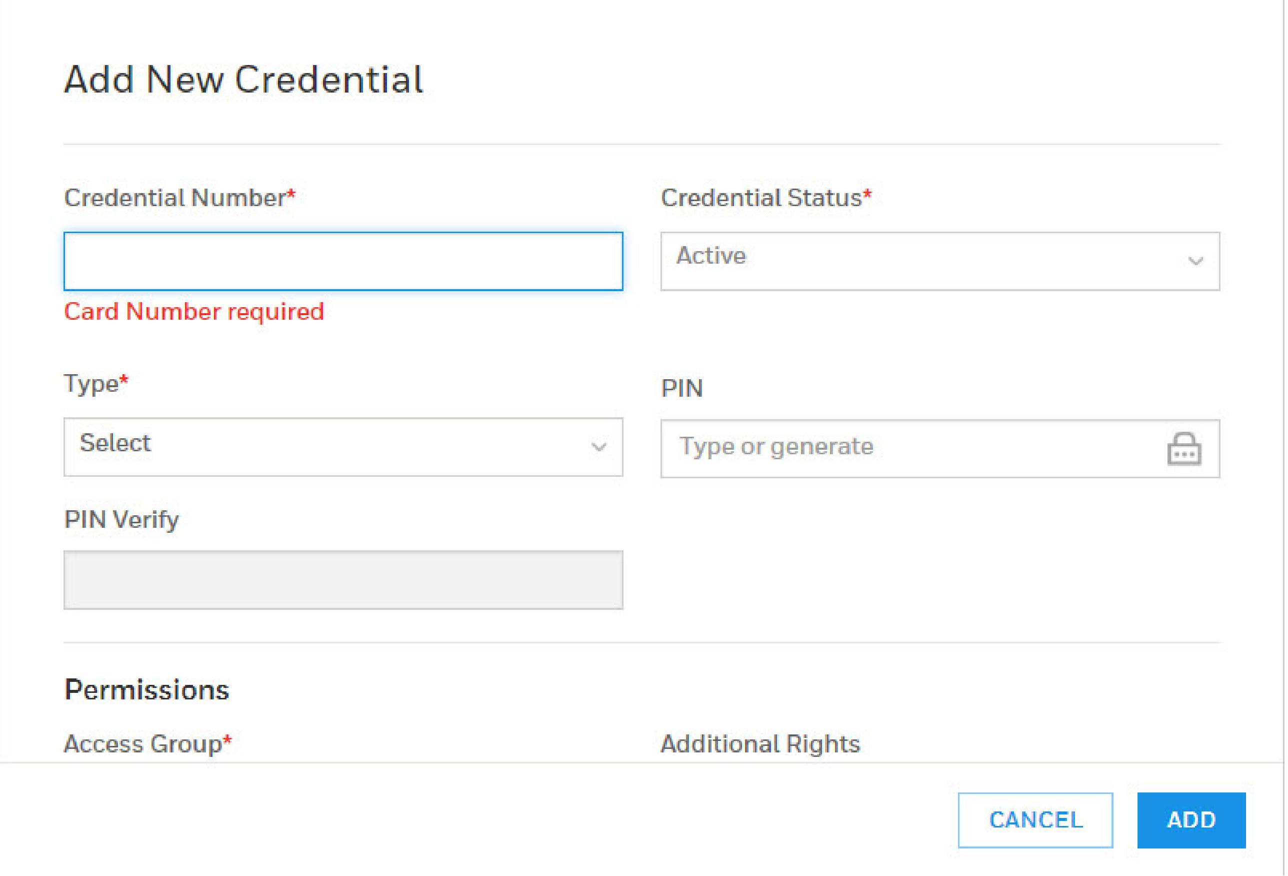
8. Click **OK**.

2.14.9 Adding a New Credential

Note: A card is one of the credentials types available in Pro-Watch.

1. Click the **People & Group** button on the main menu bar to display the **Search Badge** screen
2. Search and find the badge you'd like to edit. The system will display the **View Badge** screen.
3. In the **View Badge** screen, click the **Edit Badge** button to display the **Edit Badge** screen.
4. Select **Credentials** tab.

5. Click the **Add New Credential** button to display the **Add New Credential** screen:



Add New Credential

Credential Number*

Card Number required

Credential Status*: Active

Type*: Select

PIN: Type or generate

PIN Verify

Permissions

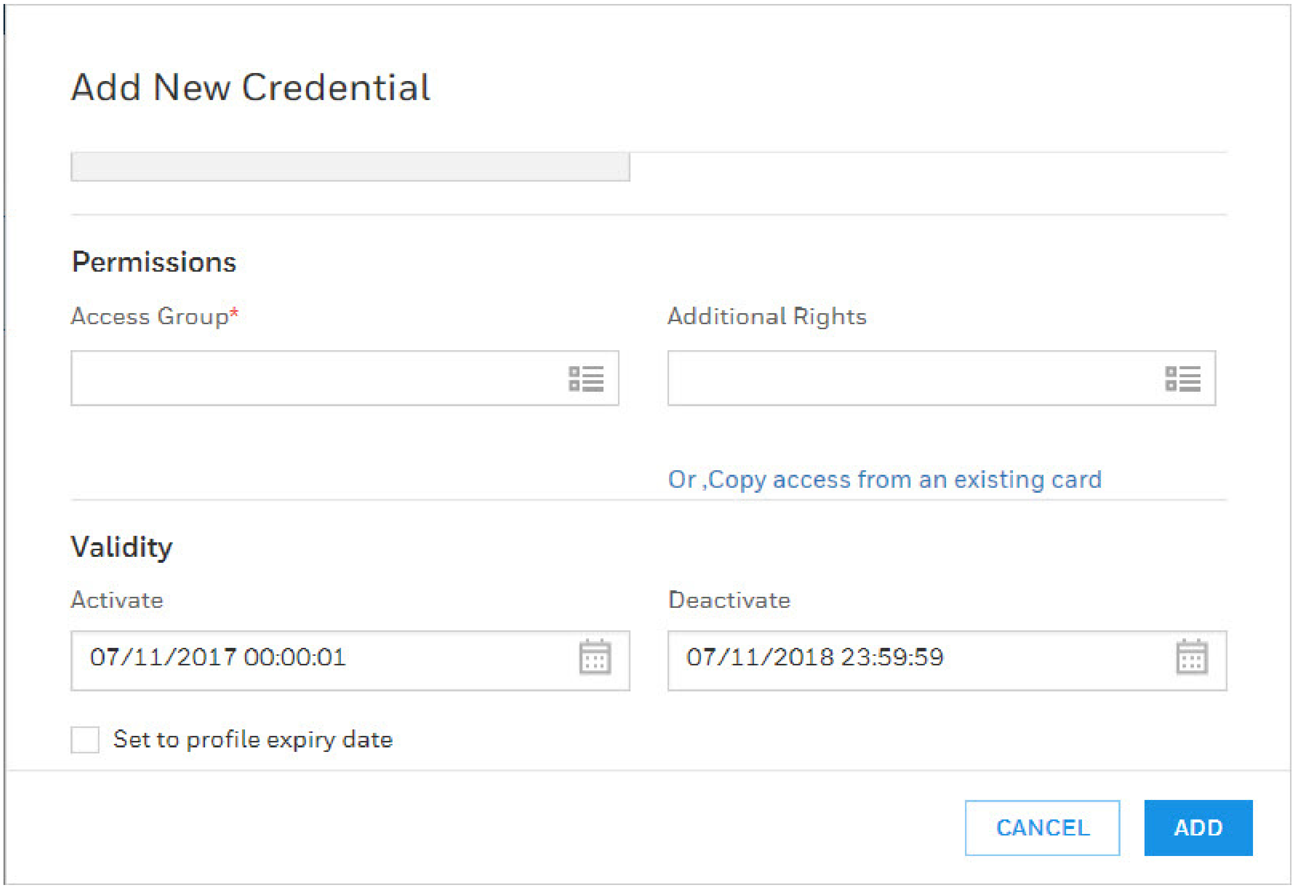
Access Group*

Additional Rights

Figure 10 Add New Credential Screen

6. Enter the appropriate values into all the card fields displayed in the above figure. See Table 2-1 on page 83 for description of individual fields.

7. Scroll down to enter appropriate values for all the **Permissions** and **Validity** fields:



Add New Credential

Permissions

Access Group*:

Additional Rights:

Or ,Copy access from an existing card

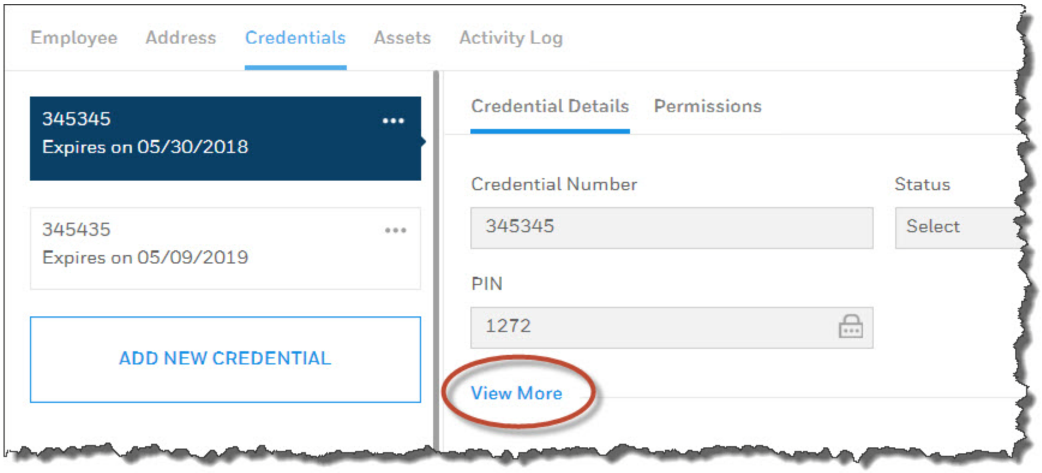
Validity

Activate: 07/11/2017 00:00:01

Deactivate: 07/11/2018 23:59:59

□ Set to profile expiry date

8. Click **Add** to go back to the **Credential Details** screen where the new credential will be listed:



345345
Expires on 05/30/2018

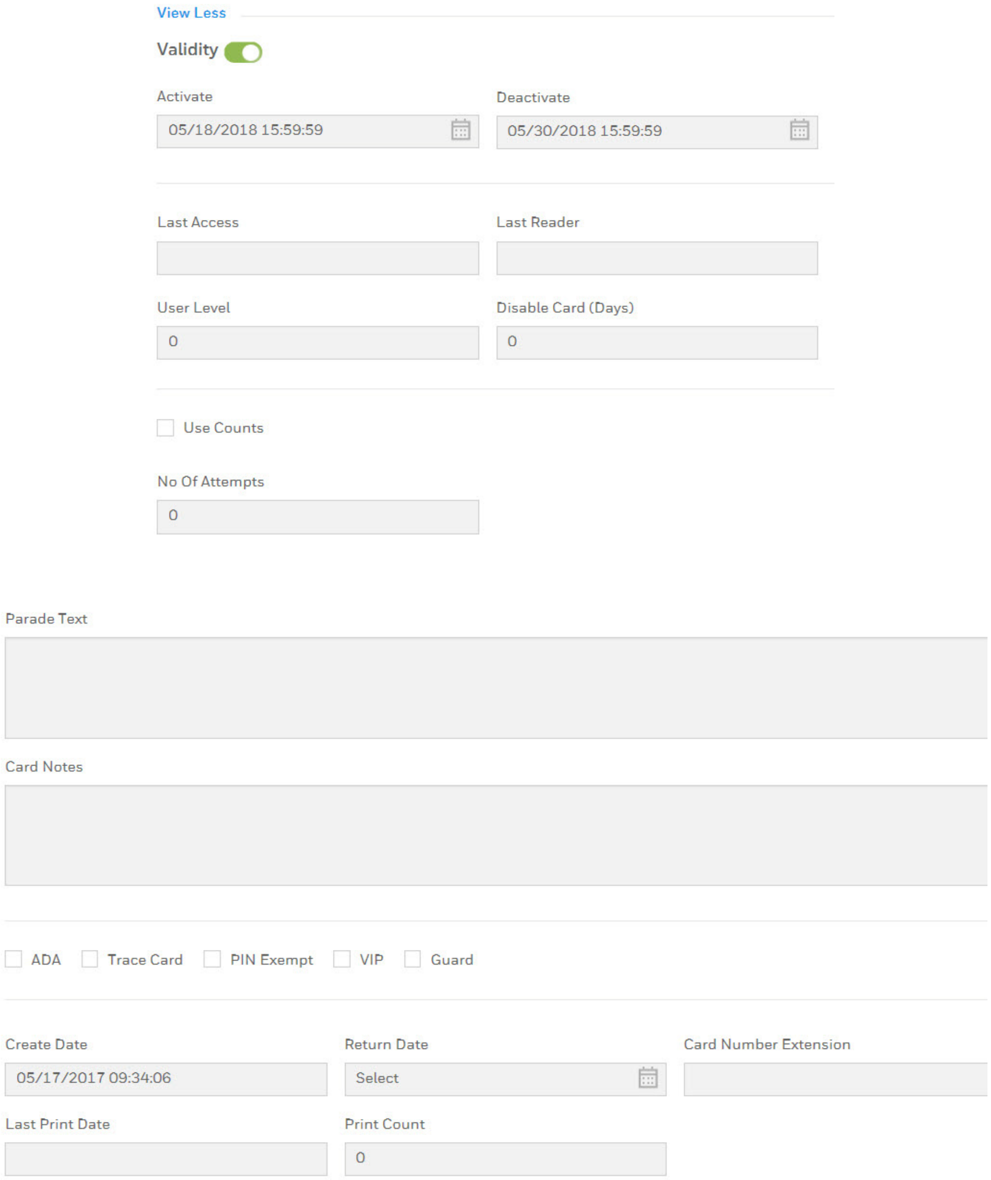
345435
Expires on 05/09/2019

Credential Number: 345345

Status: Select

PIN: 1272

9. Click **View More** link to display additional credential fields. Click the **Edit** (pencil) icon to activate the editing mode. Scroll down to view all the variables:



View Less

Validity

Activate	Deactivate
05/18/2018 15:59:59	05/30/2018 15:59:59

Last Access	Last Reader

User Level	Disable Card (Days)
0	0

□ Use Counts

No Of Attempts: 0

Parade Text

Card Notes

□ ADA □ Trace Card □ PIN Exempt □ VIP □ Guard

Create Date	Return Date	Card Number Extension
05/17/2017 09:34:06	Select	

Last Print Date	Print Count
	0

10. Enter the appropriate values into all the card fields displayed in the above screens. See Table 2-1 on page 83 for description of individual fields.

11. Click **Save**.

Table 2-1 Credential Fields Listed Alphabetically

Credential Field	Description
ADA	ADA refers to "Americans with Disabilities Act." Select this check box to allow for extended shunt time on a door so that someone in a wheelchair, for example, has enough time to get through the door without generating an alarm. The "extended shunt time" needed is set up on the PW-5000 door configuration.
Card Number Extension	Enter an extended card number, if any.
Credential Number	Card number entered by the user.
Credential Status	Select one from the drop-down menu.
Credential Status	Select one of the following from the drop-down menu: Active, AutoDisable, Disabled, Expired, Lost, Stolen, Terminated, Unaccounted, Void.
Disable Card Days	Enter the number of days after which the card will be disabled automatically. Default maximum is 999.
Expire Date	Select from the drop-down menu. Select the "**Never Expire**" check-box for permanent cards that will never expire.
Group (Company)	Select one from the drop-down menu.
Guard	Check this option to enforce for the guards a specific ordered trail from one selected reader to another or to enable the cardholder to participate in the Guard Tour.
Issue Date and Time	Select from the drop-down menus.
Issue Level	Denotes the number of times the card has been issued. For brand new cards the number should be one ("1"). If, for example, the card has been lost and is reissued, the number should be two ("2"), etc
Parade Text	Enter the text that should parade through the LED window of the logical device when the card is presented.
PIN (Code)	Personal Identification Number (PIN) entered by the user. Click "**Generate Random PIN**" link to generate a random PIN. Also see Dependencies Between PW Windows and Web Applications.
PIN Exempt	Select this option to allow the use of the card at a reader without entering PIN.
PIN Verify	Enter the PIN again to verify it.
Trace Card	Select this box to record in a log file every transaction generated by this card.
Type	Select a credential type from the drop-down menu.

Credential Field	Description
Use Count Attempts	Enter the maximum number of use attempts after which the card will be disabled automatically. Default maximum is 99.
User Level	The user level is often used to make some cards accomplish special tasks. For example, a manager may want to use such a card to automatically unlock the lobby doors at the beginning of a shift. Panel-level triggers and procedures can be written to trigger only on valid card accesses where the cardholder user level is equal to the user level set in the trigger. Allowed user level values range between 0 (zero) and 255. If a user enters anything out of this range Pro-Watch displays a validation error message and prompts the user to enter a proper value.
VIP	Select this check box to exempt the cardholder from anti-passback restrictions. A cardholder with VIP privileges can pass his/her card to the next person to swipe and pass through a reader.

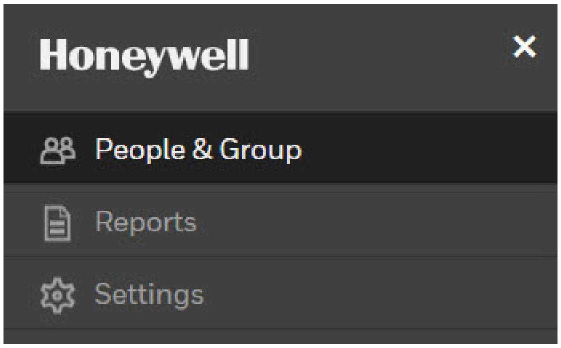
12.Click the **Save Card** button to save the new card. Click **Cancel** not to save the new card.

2.14.10 Dependencies Between PW Windows and Web Applications

1. In Pro-Watch windows application , if “**Require All cards to have a PIN code**” is selected in badge profile, the PW web application will display the **PINCode textbox** as mandatory and won't allow the user to save a card (add/edit) without pin code.
2. In Pro-Watch windows application , if the “**Required All Pin codes to be length**” set to one of the given length(4-20) in badge profile, the PW Web application will check for the entered pin code length to the configured length otherwise won't allow to save the card (add/edit).
3. In Pro-Watch Windows application, if “**Display two text boxes for pincode**” is selected in badge profile, the PW Web application will display “**Confirm Pincode**” text box to validate the pincode match while saving a card.

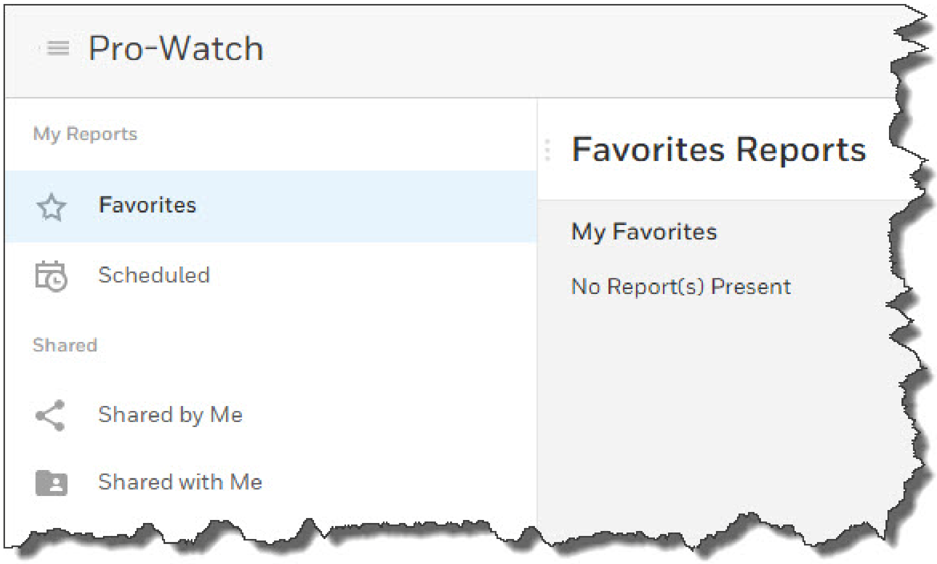
2.15 Reporting

Click the **Honeywell Menu** button



Select **Report** to display the Web Report Manager screen:

Figure 10 *Web Report Manager Screen*



2.15.1 Report Terminology

“Viewing” and “running” a report are used interchangeably since they mean the same thing.

2.15.2 Report Limitations

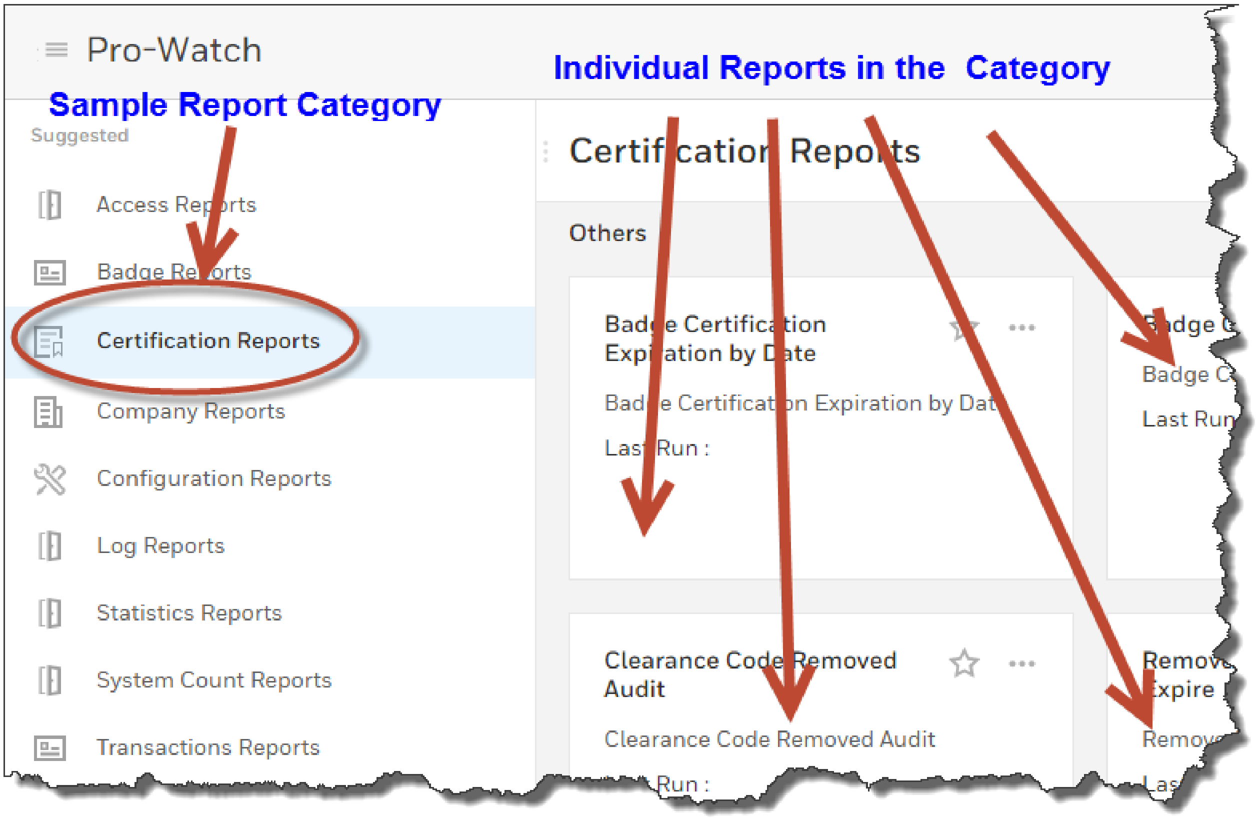
If you have more than 20,000 rows per report, the report export behavior may change depending on your system setup.

2.15.3 Add, Edit or Delete a Report

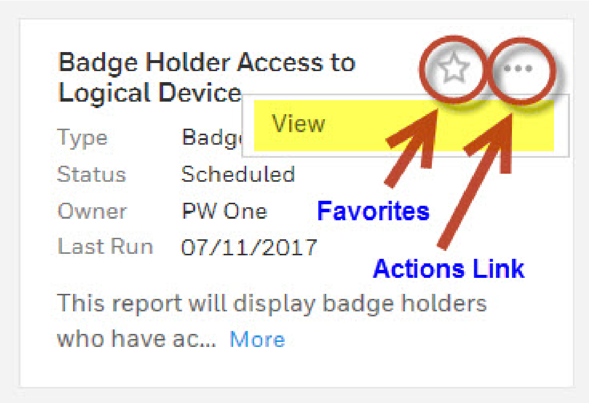
You cannot create a new report, edit or delete an existing report from inside the thin web client. However, you can view the sample reports created in Pro-Watch thick client.

2.15.4 View or Run a Report

1. In the Reports module, select a **Sample Report Category** to display the individual reports of that category in the right pane:



2. Click the **Favorites** star icon to save the individual report in the Favorites folder:



Badge Holder Access to Logical Device

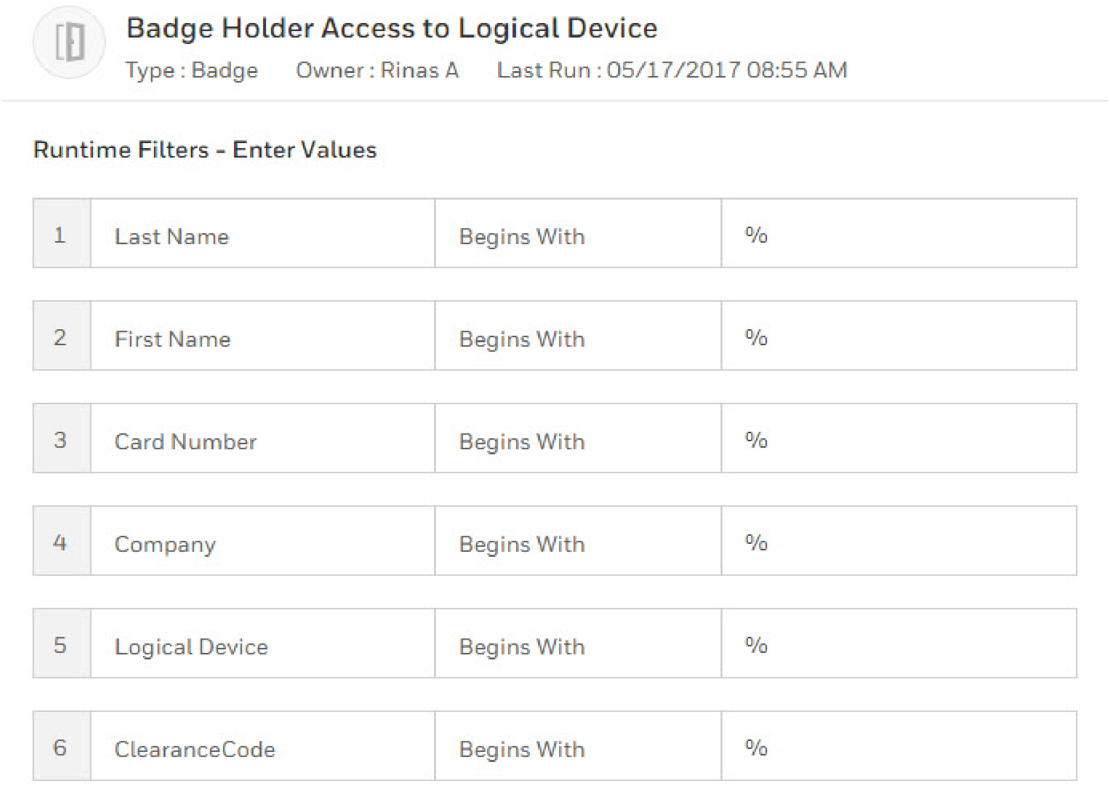
Type	Badg
Status	Scheduled
Owner	PW One
Last Run	07/11/2017

This report will display badge holders who have ac... More

3. Click the **Actions** ellipsis link and select **View** to display the **Runtime Filters** screen.

4. Enter appropriate values for all the filter fields that apply to that specific report. For example, in the below sample screen, enter appropriate values

for one, several, or all of the following fields: L**ast Name, First Name, Card Number, Company, Logical Device,** and/or **Clearance Code**:



Badge Holder Access to Logical Device

Type : Badge Owner : Rinas A Last Run : 05/17/2017 08:55 AM

Runtime Filters - Enter Values

1	Last Name	Begins With	%
2	First Name	Begins With	%
3	Card Number	Begins With	%
4	Company	Begins With	%
5	Logical Device	Begins With	%
6	ClearanceCode	Begins With	%

5. Click **Generate** to run your report. The above sample screen will generate a “Badge Holder Access to Logical Device” report.

2.15.5 Printing a Report

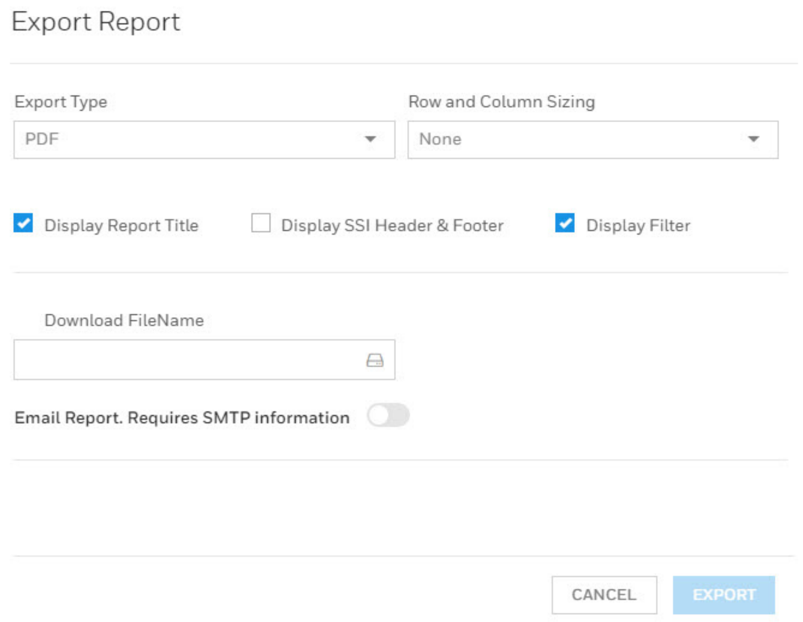
1. Generate your report as described in the section View or Run a Report.
2. Click **Print** to print your report.

2.15.6 Exporting a Report

Note: If your report has more than 20,000 (twenty thousand) rows, the export behavior may vary, depending on the specific system setup and resources.

1. Generate your report as described in the section View or Run a Report.

2. Click **Export** to display the **Export Report** screen:



Export Report

Export Type: PDF

Row and Column Sizing: None

☑ Display Report Title ☐ Display SSI Header & Footer ☑ Display Filter

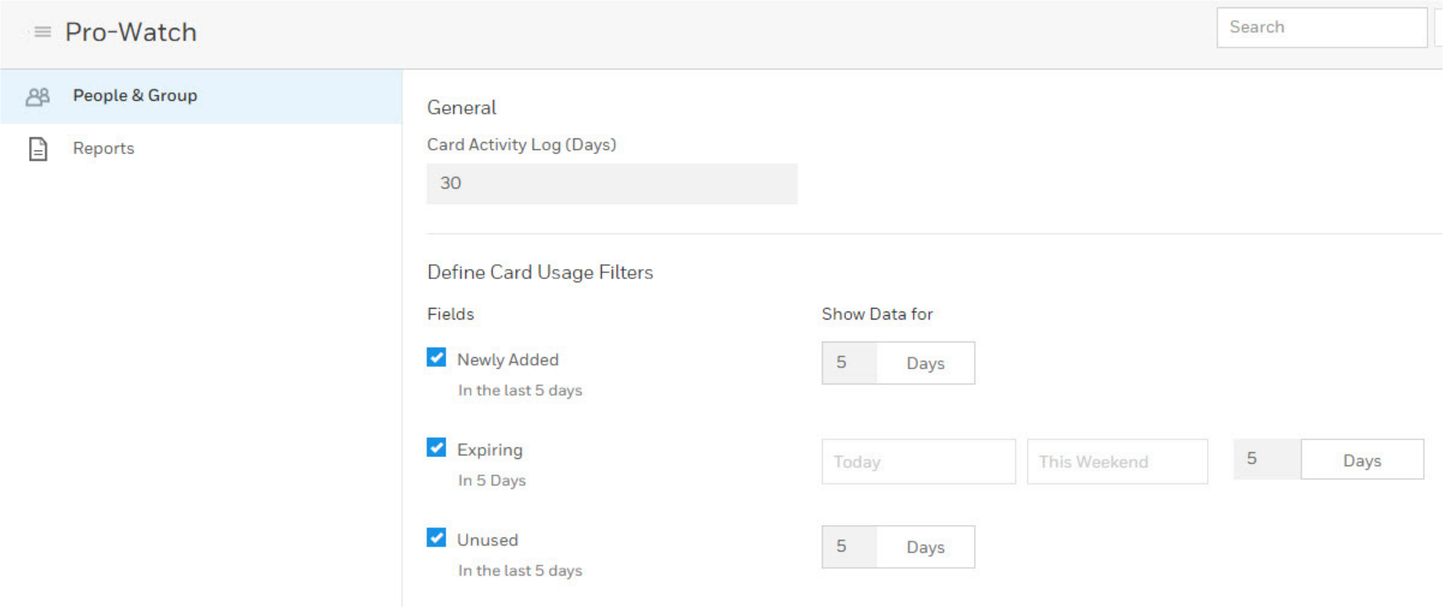
Download FileName

Email Report. Requires SMTP information

3. Select an **Export Type** from the drop-down menu. Choices are PDF, EXCEL, TXT, XML.
4. Select **Row and Column Sizing** from the drop-down menu. Choices are None, Size Columns to Contents, Size Rows to Contents, Size Columns and Rows to Contents.
5. Fill in all the necessary fields and make all the appropriate selections.
6. Click **Export** to export your report.

Note: IE browser will not download the exported report if the “**Disable**” option is selected in the **IE Options > Security** tab.

2.16 Settings



General

Card Activity Log (Days): 30

Define Card Usage Filters

Fields	Show Data for
☑ Newly Added In the last 5 days	5 Days
☑ Expiring In 5 Days	Today · This Weekend · 5 Days
☑ Unused In the last 5 days	5 Days

You can configure two different types of settings:

1. People & Group (Badging)
2. Reports

2.16.1 Configuring People & Group (Badging) Settings

You can filter your badging results by configuring the following fields:

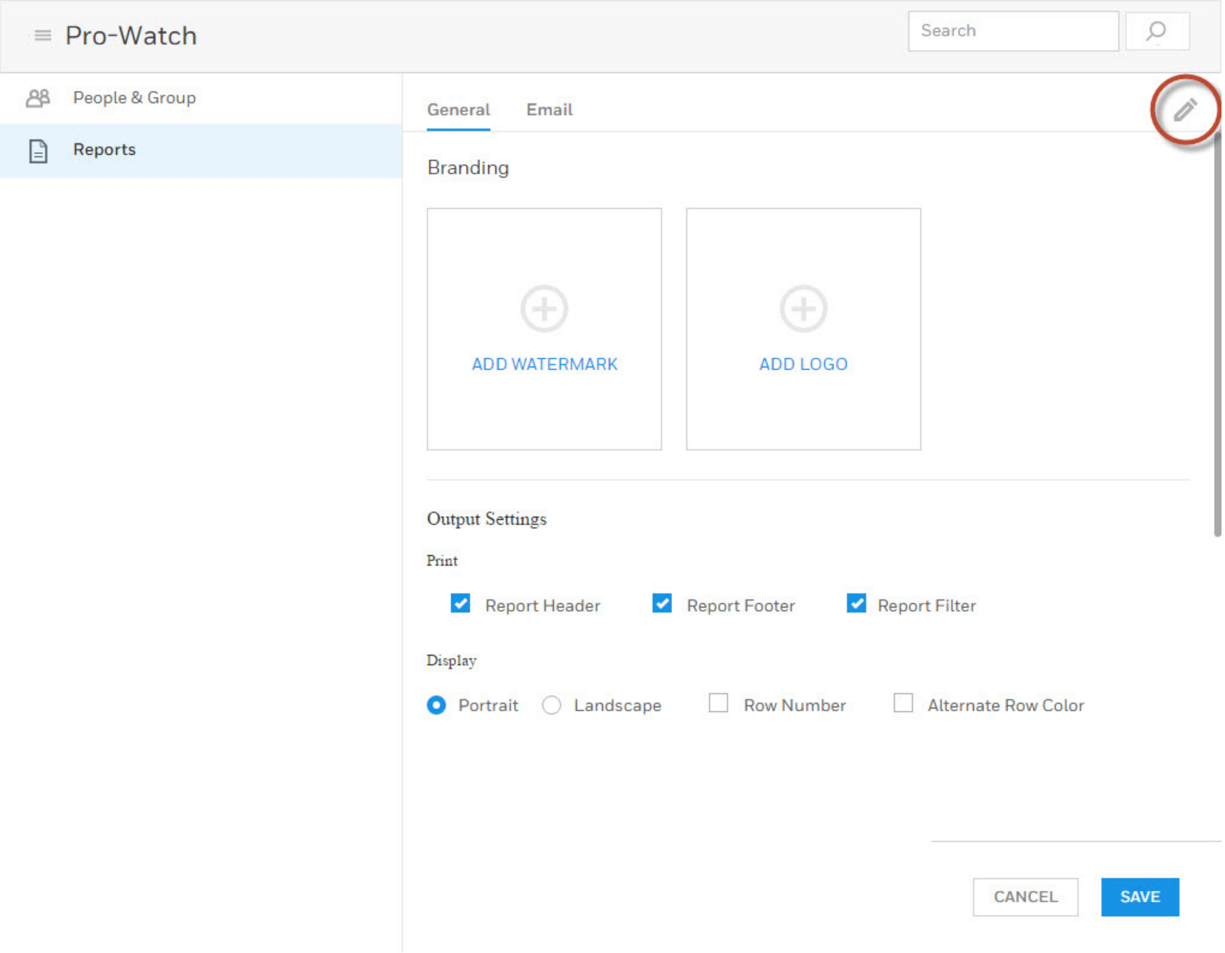
- Card Activity Log (in X days)
- Newly Added in the Last X Days
- Expiring in X Days
- Unused in the Last X Days

1. Click **Settings > People & Group** navigation ink to display the **General** settings tab.
2. Click the **pencil icon** to activate editing mode.
3. Edit the setting fields.
4. Click **Save**.

2.16.2 Configuring Reports Settings

2.16.2.1 Reports General Settings

1. Click **Settings** > **Reports** navigation ink to display the **General** settings tab:



Output Settings

Print

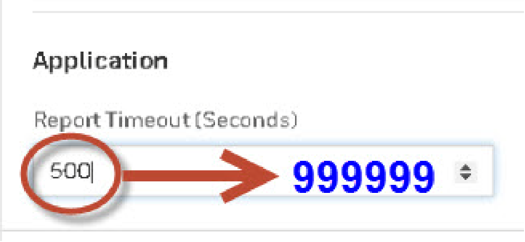
☑ Report Header ☑ Report Footer ☑ Report Filter

Display

● Portrait ○ Landscape □ Row Number □ Alternate Row Color

2. Click the **pencil icon** on the upper-right to launch the edit mode.
3. Click **ADD WATERMARK** to add a watermark to your reports.
4. Click **ADD LOGO** to add a logo to your reports.
5. Select one or more of the following **Output Settings** check-boxes: **Report Header, Report Footer, Report Filter.**
6. Select either the **Portrait** or **Landscape** to display layout option button.
7. Select R**ow Number** and/or **Alternate Row Color** check-box.

8. For **Application** >**Report Timeout (Seconds)** field enter the value of “999999” for successful export of reports with a lot of data.



Application

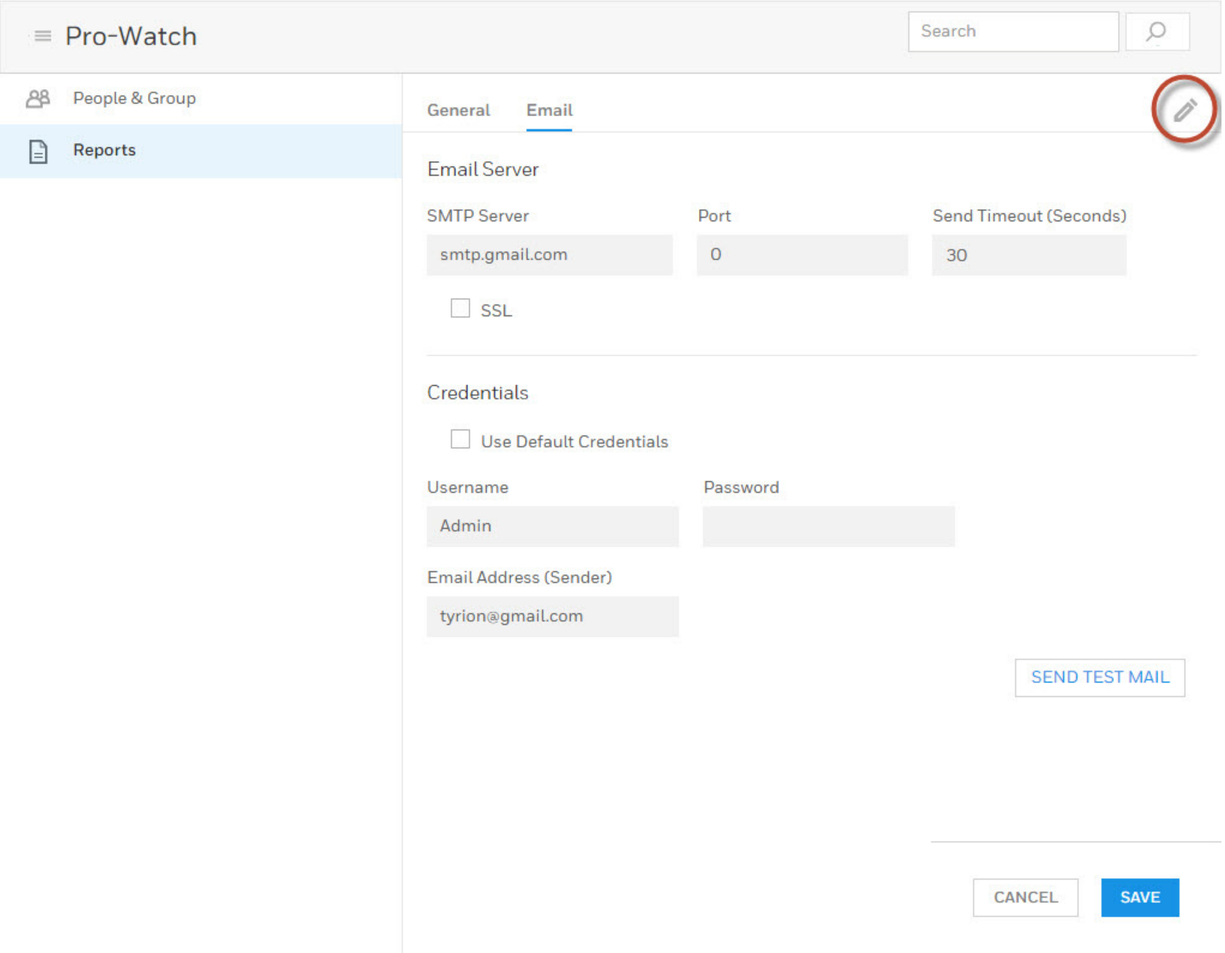
Report Timeout (Seconds)

500 → 999999

9. Click **Save**.

2.16.2.2 Reports Email Settings

1. Click **Settings** > **Reports** >**Email** navigation ink to display the **Email** settings:



Email Server

SMTP Server: smtp.gmail.com

Port: 0

Send Timeout (Seconds): 30

□ SSL

Credentials

□ Use Default Credentials

Username: Admin

Password:

Email Address (Sender): tyrion@gmail.com

2. Click the **pencil icon** on the upper-right to launch the edit mode.
3. Enter the appropriate values for **SMTP Server, Port, Send Timeout (Seconds)** fields.
4. Select the **SSL** check-box for secure socket later.

5. Select the **Use Default Credentials** check-box to use the default credentials.
6. Enter the appropriate values for **User Name, Password, Email Address (Sender)** fields.
7. Click the **SEND TEST MAIL** ink to send yourself a test email.
8. Click **Save**.

(This page is left blank intentionally for double-sided printing.)

Troubleshooting

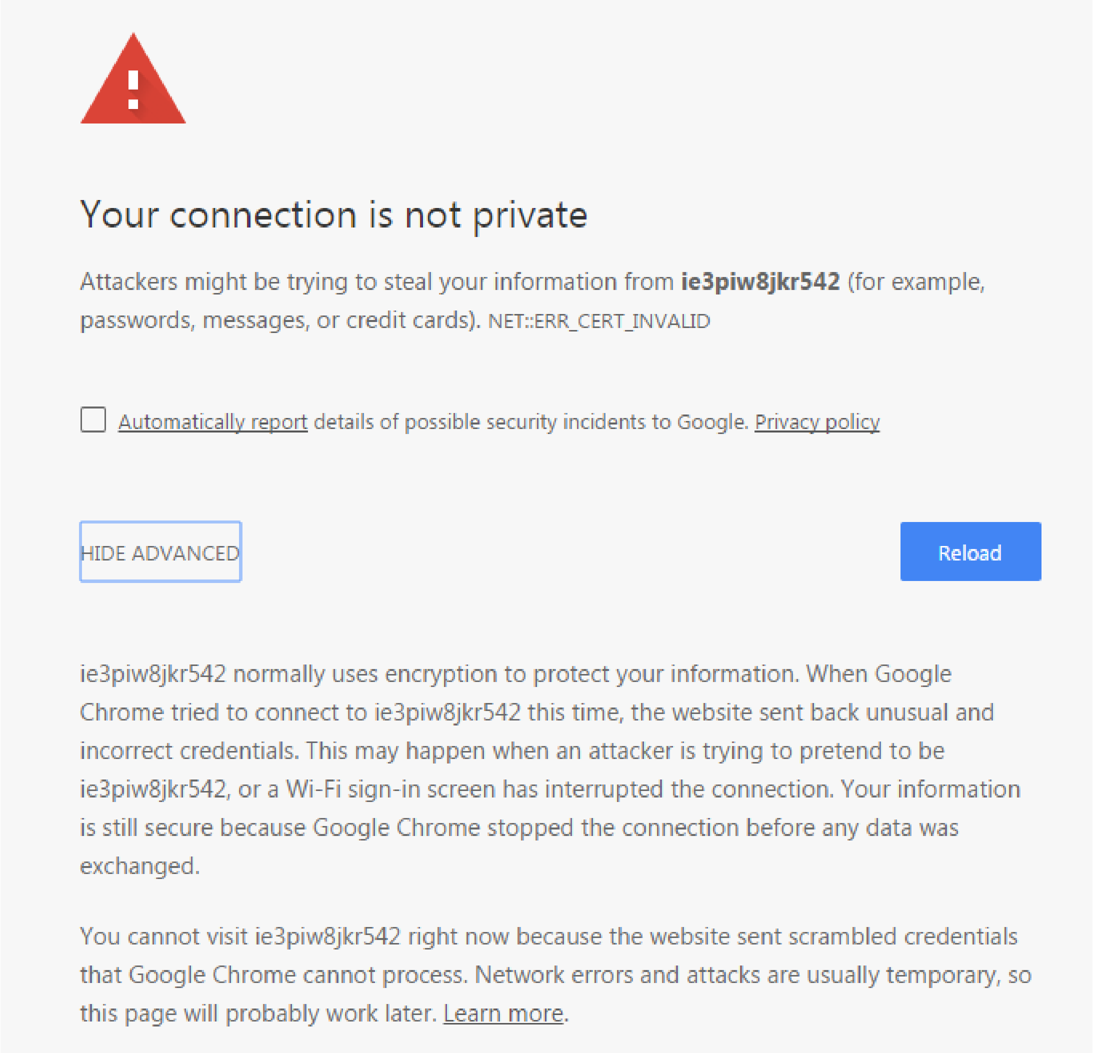
A

In this appendix ...

A.1 Introduction

This chapter describes what to do if you get the below “**Your connection is not private**” warning message and you are not able to proceed.

It is always recommended to use a purchased certificate but if you want to continue with a self-signed certificate, follow the procedure explained to overcome the below issue.



Your connection is not private

Attackers might be trying to steal your information from **ie3piw8jkr542** (for example, passwords, messages, or credit cards). NET::ERR_CERT_INVALID

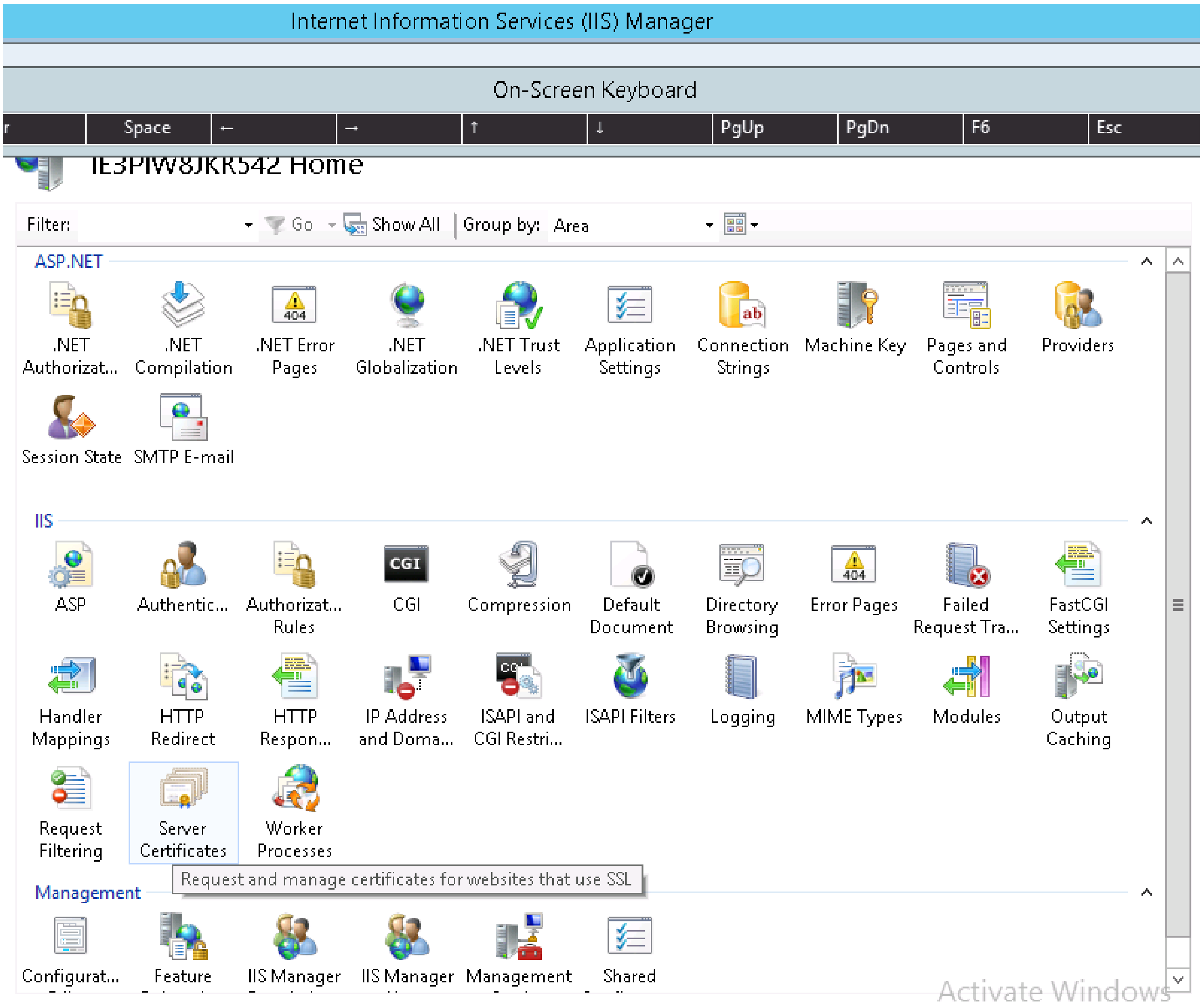
□ Automatically report details of possible security incidents to Google. Privacy policy

ie3piw8jkr542 normally uses encryption to protect your information. When Google Chrome tried to connect to ie3piw8jkr542 this time, the website sent back unusual and incorrect credentials. This may happen when an attacker is trying to pretend to be ie3piw8jkr542, or a Wi-Fi sign-in screen has interrupted the connection. Your information is still secure because Google Chrome stopped the connection before any data was exchanged.

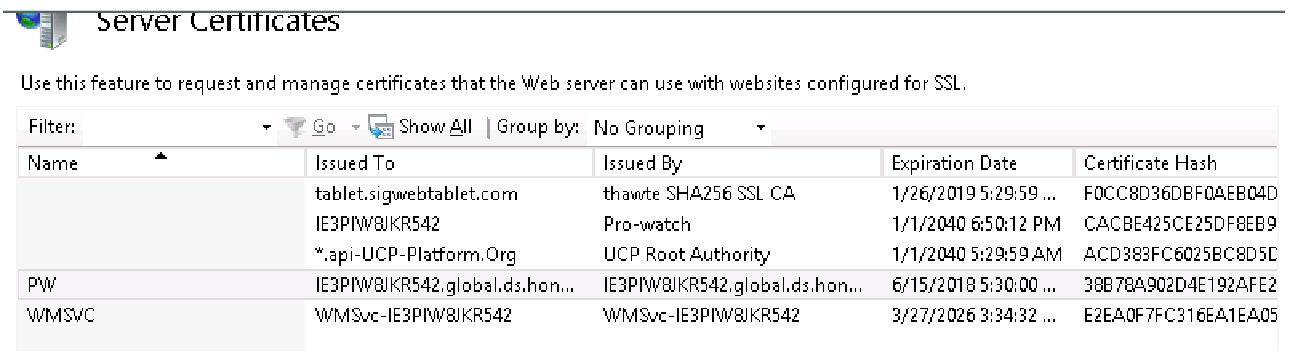
You cannot visit ie3piw8jkr542 right now because the website sent scrambled credentials that Google Chrome cannot process. Network errors and attacks are usually temporary, so this page will probably work later. Learn more.

A.2 Steps to Follow

1. Go to **IIS**:



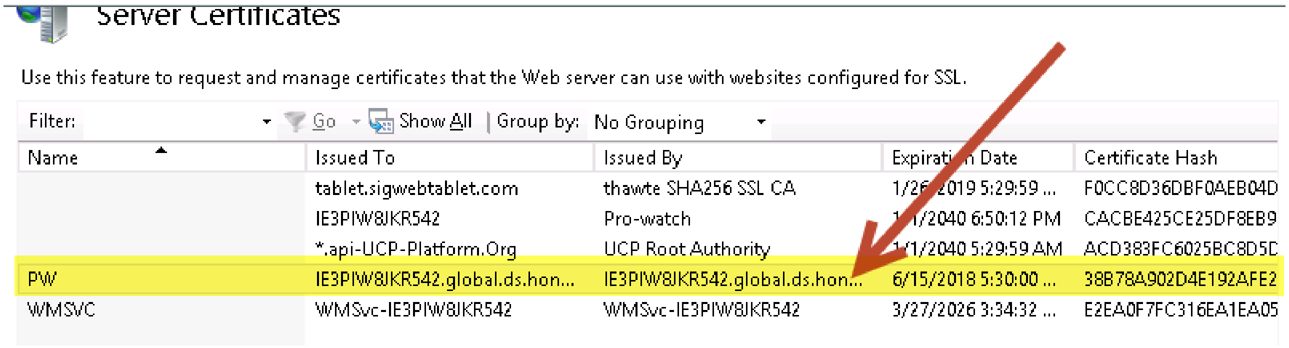
2. Click **Server Certificates** to display the **Server Certificates screen:**



Use this feature to request and manage certificates that the Web server can use with websites configured for SSL.

Name	Issued To	Issued By	Expiration Date	Certificate Hash
	tablet.sigwebtablet.com	thawte SHA256 SSL CA	1/26/2019 5:29:59 ...	F0CC8D36DBF0AEB04D
	IE3PIW8JKR542	Pro-watch	1/1/2040 6:50:12 PM	CACBE425CE25DF8EB9
	*.api-UCP-Platform.Org	UCP Root Authority	1/1/2040 5:29:59 AM	ACD383FC6025BC8D5D
PW	IE3PIW8JKR542.global.ds.hon...	IE3PIW8JKR542.global.ds.hon...	6/15/2018 5:30:00 ...	38B78A902D4E192AFE2
WMSVC	WMSvc-IE3PIW8JKR542	WMSvc-IE3PIW8JKR542	3/27/2026 3:34:32 ...	E2EA0F7FC316EA1EA05

3. Display the **Site Bindings** screen by clicking on the default site:

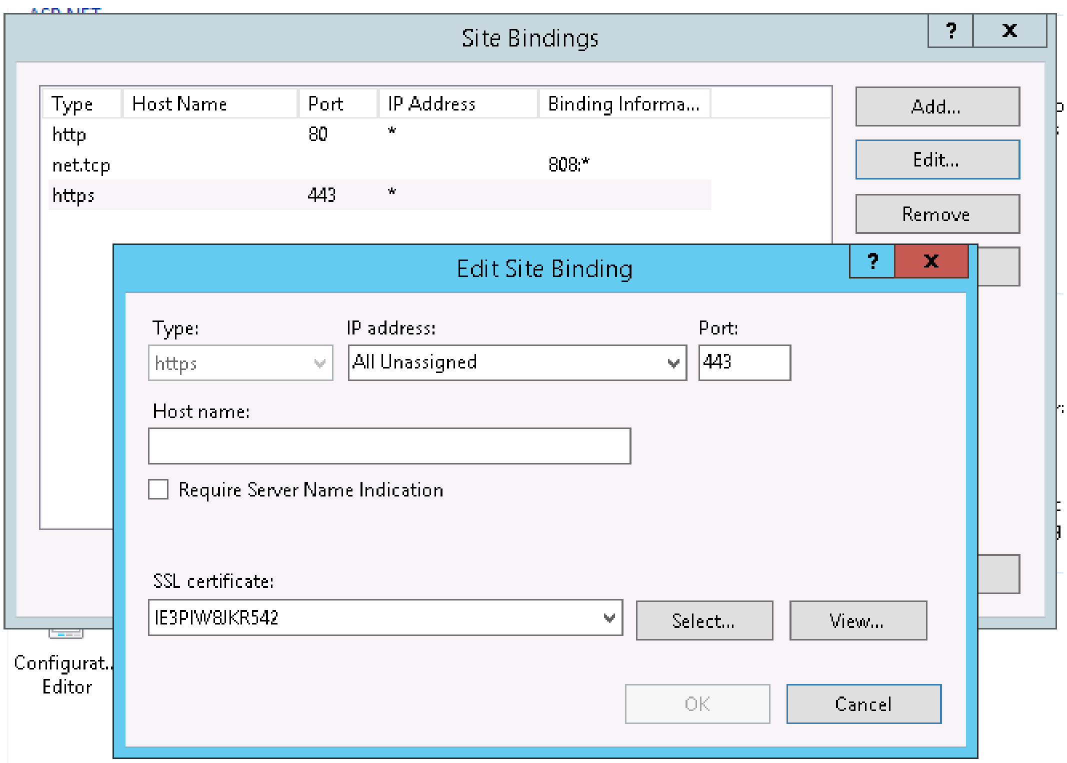


Server Certificates

Use this feature to request and manage certificates that the Web server can use with websites configured for SSL.

Name	Issued To	Issued By	Expiration Date	Certificate Hash
	tablet.sigwebtablet.com	thawte SHA256 SSL CA	1/26/2019 5:29:59 ...	F0CC8D36DBF0AEB04D
	IE3PIW8JKR542	Pro-watch	1/1/2040 6:50:12 PM	CACBE425CE25DF8EB9
	*.api-UCP-Platform.Org	UCP Root Authority	1/1/2040 5:29:59 AM	ACD383FC6025BC8D5D
PW	IE3PIW8JKR542.global.ds.hon...	IE3PIW8JKR542.global.ds.hon...	6/15/2018 5:30:00 ...	38B78A902D4E192AFE2
WMSVC	WMSvc-IE3PIW8JKR542	WMSvc-IE3PIW8JKR542	3/27/2026 3:34:32 ...	E2EA0F7FC316EA1EA05

4. Click the **Edit** button to display the E**dit Site Bindings** screen:



Site Bindings

Type	Host Name	Port	IP Address	Binding Informa...
http		80	*	
net.tcp				808:*
https		443	*	

Edit Site Binding

Type: https

IP address: All Unassigned

Port: 443

Host name:

□ Require Server Name Indication

SSL certificate: IE3PIW8JKR542

5. Enter “**PW**” into the **SSL Certificate** field. Or click **Select** and select the PW certificate.

6. Click **OK**.

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Specifications subject to change without notice.

Document 800-12235V10

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