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PRIMAVERA

Primavera Portfolio Management 8.0
Enabling Single Sign-On

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This document describes the procedures to follow to enable Primavera® Portfolio Management 7.5 to work with two different types of Single Sign-On:

1. Integrated Windows Authentication
2. Integration with 3rd party Single Sign-On products

Note: in a distributed installation of Primavera® Portfolio Management ("Scale Out"), the below described settings must be made on all Primavera® Portfolio Management application servers.

1. Integrated Windows Authentication

The Primavera® Portfolio Management application can be integrated with Microsoft Windows domain authentication, such that a user, who has been authenticated by a Microsoft Windows domain controller, will automatically be authenticated with Primavera® Portfolio Management as well. By enabling this functionality users will not be prompted for their usernames and passwords by Primavera® Portfolio Management, but will be automatically logged into the Primavera® Portfolio Management application without the need to use the login dialog screen.

Note: This feature works only for users who have logged into a Microsoft Windows domain via NT/Windows 2000 authentication and whose NT/Windows 2000 user name is identical to their login name in Primavera® Portfolio Management. If these do not match exactly, when accessing Primavera® Portfolio Management the user will be presented with the regular Primavera® Portfolio Management login dialog screen, together with the message "invalid username/password".

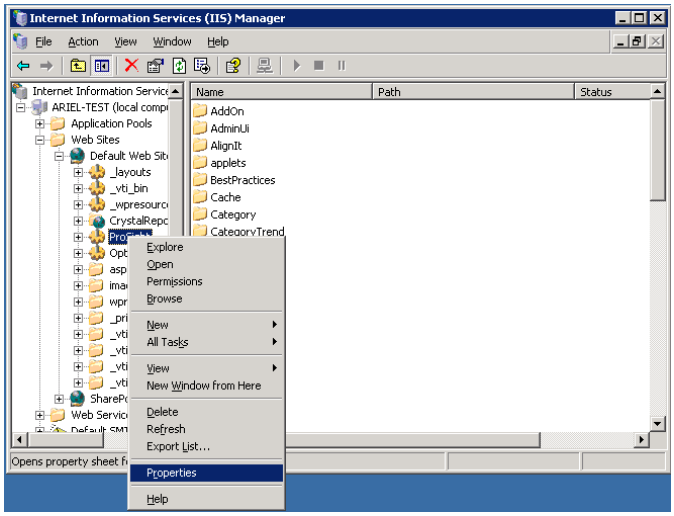
This chapter outlines the process of enabling Integrated Windows Authentication for Primavera® Portfolio Management.

1.1 Open **Internet Information Services (IIS) Manager** by clicking:

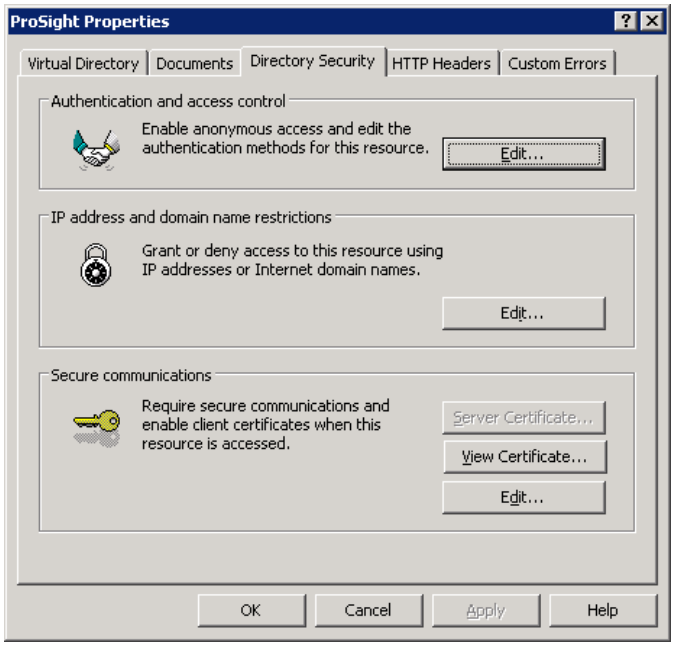
Start -> Programs -> Administrative Tools -> Internet Information Services (IIS) Manager

Navigate to the ProSight virtual directory.

Right-click, then select Properties.



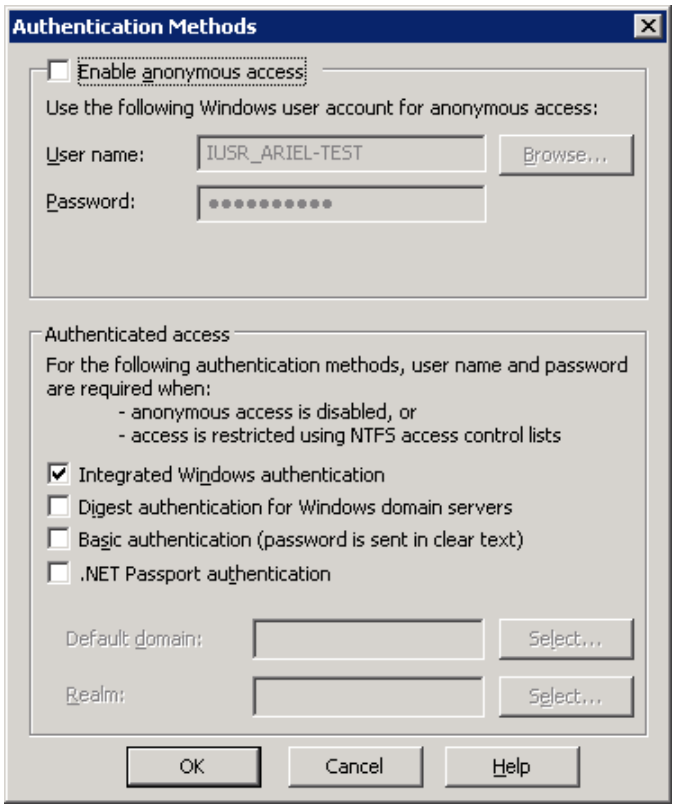
1.2 Select the Directory Security tab, and then click the “Edit…” button located in the area “Anonymous access and authentication control”.



1.3 Uncheck the “Enable anonymous access” checkbox.

Click “OK” to close the “Authentication Methods” dialog, and then click “OK” again to close the “ProSight® Properties” dialog.

This completes the process. Exit the Internet Information Services (IIS) Manager.



2. Integration with 3rd party Single Sign-On products

The Primavera® Portfolio Management application can be integrated with 3rd party Single Sign-On (SSO) products, such that a user, who has been authenticated by a 3rd party SSO product, will automatically be authenticated with Primavera® Portfolio Management as well. By enabling this functionality users will not be prompted for their usernames and passwords by Primavera® Portfolio Management, but will be automatically logged into the Primavera® Portfolio Management application without the need to use the login dialog screen.

Note: This feature works only for users who have logged in using the 3rd party SSO product and whose 3rd party SSO product user name is identical to their login name in Primavera® Portfolio Management. If these do not match exactly, when accessing Primavera® Portfolio Management the user will be presented with the regular Primavera® Portfolio Management login dialog screen, together with the message “invalid username/password”.

This chapter outlines possibilities for enabling integration with 3rd party SSO products for Primavera® Portfolio Management 7.5. For the exact procedure to follow, please refer to the 3rd party SSO product manuals.

a. 3rd party SSO Product Requirements

In order to be able to integrate with Primavera® Portfolio Management, the 3rd party SSO product must be able to fulfill the following requirements:

1. Ability to intercept access to Primavera® Portfolio Management web server through Internet Explorer
2. Ability to set a HTTP header variable to a fixed value
3. Ability to set another HTTP header variable to the name of the authenticated user

Note that Primavera® Portfolio Management does not accept “cookies” as an authentication method.

b. Primavera® Portfolio Management Configuration for integration with 3rd party SSO Product

Primavera® Portfolio Management can be configured to accept any HTTP header variables. The following registry values control the names and values of the HTTP header variables used for integration:

Note: all registry values discussed below may be inserted into the Registry under the key:
HKEY_LOCAL_MACHINE\SOFTWARE\Oracle\Primavera Portfolio Management\Portfolios\Server\UI

Registry Value "SSO Authentication Type HTTP Header Name" (String).
Data: name of the HTTP header variable containing the authentication type.
Default: "AUTH_TYPE"
Explanation: By default, the type of SSO Authentication is carried in the HTTP header variable called "AUTH_TYPE". If, for any reason, a given SSO product is unable to use this particular header variable, this registry entry can be used to cause PPM to look at a different HTTP header variable.
Note: Primavera® Portfolio Management uses the "raw" HTTP header interface. Therefore, under certain circumstances the name of the HTTP header within Primavera® Portfolio Management should be configured with an "HTTP_" prefix.

Registry Value "SSO Authentication Type HTTP Header Value" (String).
Data: value to be assigned to the "SSO Authentication Type HTTP Header" (see above), which indicates that the SSO product will perform user authentication.
Default: "Negotiate"
Explanation: by default, a value of "Negotiate" in the HTTP header variable "AUTH_TYPE" is interpreted by PPM to mean that a SSO product is responsible for user authentication. If, for any reason, a given SSO product assigns a different value to the HTTP header variable, then this registry entry can be used to cause PPM to accept the value which the SSO product assigns.

Registry Value "SSO Authenticated User HTTP Header Name" (String).
Data: name of the HTTP header variable containing the user name of the user authenticated by the SSO product.
Default: "LOGON_USER"
Explanation: by default, the name of the user authenticated by the SSO product, should be placed in a HTTP header variable called "LOGON_USER". If, for any reason, a given SSO product is unable to use this header variable, this registry entry can be used to cause PPM to accept the name of the authenticated user in a different HTTP header variable.
Note: Primavera® Portfolio Management uses the "raw" HTTP header interface. Therefore, under certain circumstances the name of the HTTP header within Primavera® Portfolio Management should be configured with an "HTTP_" prefix.

c. Example

A well known SSO product called Netegrity SiteMinder is able to set "custom HTTP headers". This can be seen in the SiteMinder log file. These "custom HTTP headers", when seen by Primavera® Portfolio Management, are prefixed by "HTTP_". Therefore, a typical Netegrity SiteMinder setup is as follows:

Configure Netegrity SiteMinder to create a custom HTTP header called "AUTH_TYPE", whose value is set to "Negotiate". Also configure Netegrity SiteMinder to create a “Response Attribute” custom HTTP header called "AUTH_USER", and set its value to the login name (id) of the authenticated user. See figure 1.

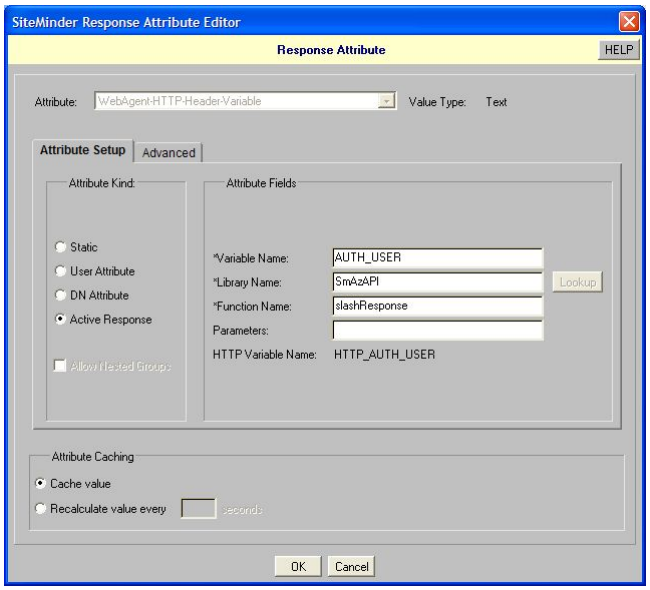


Figure 1

Configure the appropriate Netegrity SiteMinder policy to send these responses. See figure 2.

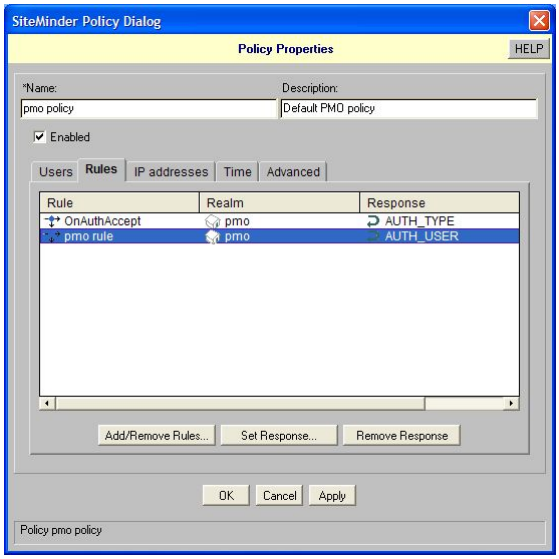


Figure 2

Configure Primavera® Portfolio Management accordingly by creating the following registry string values:

- "SSO Authentication Type HTTP Header Name" should have a value of "HTTP_AUTH_TYPE".
- "SSO Authentication Type HTTP Header Value" should have a value of "Negotiate".
- "SSO Authenticated User HTTP Header Name" should have a value of "HTTP_AUTH_USER".

The above configuration was tested with Netegrity SiteMinder 5.5.