

Version 9 Release 0

*IBM i2 Analyst's Notebook  
Configuration*



**Note**

Before using this information and the product it supports, read the information in [“Notices” on page 11.](#)

This edition applies to version 9, release 0, modification 7 of IBM® i2® Analyst's Notebook and to all subsequent releases and modifications until otherwise indicated in new editions. Ensure that you are reading the appropriate document for the version of the product that you are using. To find a specific version of this document, access the Configuration section of the [IBM Knowledge Center](#), and ensure that you select the correct version.

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# Connecting IBM i2 Analyst's Notebook Premium to IBM i2 Analyze

Analyst's Notebook Premium uses connectors to manage interactions with the i2 Analyze data sources. When you install Analyst's Notebook Premium, you must select the connectors to install.

For information on installing the Analyst's Notebook Premium connectors, see [Installing IBM i2 Analyst's Notebook Premium](#).

With the connectors installed, you can access i2 Analyze through Analyst's Notebook Premium.

## Opal connector

When i2 Analyze is started, the URI that must be used in Analyst's Notebook Premium is displayed in the console. For example: This application is configured for access on `http://host_name/opal`.

**Important:** This URI must be distributed to each user that connects Analyst's Notebook Premium to i2 Analyze.

Open Analyst's Notebook Premium, and connect by specifying the URI displayed in the console.

If you do not have access the console where i2 Analyze is started, speak to your system administrator.

**Note:** If your deployment uses an extra proxy server between Analyst's Notebook Premium and i2 Analyze, you must specify the URI that clients use to connect to i2 Analyze. After you specify the URI, the new value is displayed in the console when i2 Analyze is started. For more information, see [Specifying the connection URI](#).

## Onyx connector

Open Analyst's Notebook Premium, and connect by specifying the following URL: `http://host_name/apollo`

Where *host\_name* is the fully qualified domain name or IP address of the HTTP server.



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# Enabling SSL connections in Analyst's Notebook Premium

If the i2 Analyze deployment that you are connecting to uses SSL connections, the security certificate must be available on your machine. This lets the system know that your machine is trusted.

## Before you begin

When the i2 Analyze system was configured to use SSL connections, a security certificate was generated: `i2_certificate.der`. You must have access to this certificate before you can enable an SSL connection from Analyst's Notebook Premium.

## Procedure

To install the security certificate:

1. Copy the extracted `i2_certificate.der` file to your machine.
2. Install the certificate:
  - a) Double-click the `i2_certificate.der` file.
  - b) Click **Install Certificate**, and then click **Next**.
  - c) Click **Place all certificates in the following store**.
  - d) Click **Browse**, and select **Trusted Root Certification Authorities**.
  - e) Click **Next**, and then click **Finish**.

**Note:** If the certificate is self-signed, you will see a warning message: The operating system cannot verify the self-signed certificate. Click **Yes** to accept the certificate.

## Results

With the security certificate installed, you can connect to your stores using the HTTPS protocol. Open Analyst's Notebook Premium, and connect using the HTTPS protocol. For more information about connecting to i2 Analyze, see [“Connecting IBM i2 Analyst's Notebook Premium to IBM i2 Analyze” on page 1](#).

**Note:** If you try to connect using the HTTP protocol (`http://host_name/type`), you are no longer able to log in.



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## Using X.509 certificates for authentication

Analyst's Notebook Premium can use an X.509 certificate to authenticate with i2 Analyze. The connection to the i2 Analyze server is secured, and the user is authenticated with the server by the client certificate that is provided by Analyst's Notebook Premium.

### Before you begin

Before you can specify a certificate for Analyst's Notebook Premium to use, you must have a trusted X.509 client certificate. For more information, see [Client certificates](#).

The deployment of i2 Analyze must be configured for client certificate authentication by following the instructions in [Configuring X.509 client certificate authentication with i2 Analyze](#).

A prerequisite for configuring X.509 client certificate authentication is that your deployment is using SSL with connections to the HTTP Server. Ensure that you enabled SSL connections in Analyst's Notebook Premium. For more information, see [“Enabling SSL connections in Analyst's Notebook Premium” on page 3](#).

### About this task

When you first start Analyst's Notebook Premium, or if you change the connection to a repository, the application displays a window that contain connection details for the Analysis Repository.

### Procedure

1. Enter the name and the URL of the server to connect to.  
Use the HTTPS protocol to connect to the server. For example, `https://host_name/apollo` (where *host\_name* is the fully qualified domain name or IP address of the HTTP server).
2. Select **Use client certificate** and click **Browse**. Then, choose the client certificate to use to authenticate with the server.
3. Click **OK**.

### Results

When client certificate authentication is configured correctly, you are logged in to i2 Analyze as the user associated with the selected certificate.





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## Configuring SPNEGO single sign-on for i2 Analyst's Notebook Premium

Analyst's Notebook Premium can use your single sign-on credentials to authenticate with i2 Analyze. Before you can connect Analyst's Notebook Premium to i2 Analyze in single sign-on mode, you must ensure that the embedded browser is configured to support this authentication method.

Analyst's Notebook Premium uses embedded web components to connect to i2 Analyze. To allow these connections to use SPNEGO single sign-on, you must ensure that Windows Integrated Authentication is enabled for your browser. To configure your web browser, follow step 3 in [Configuring SPNEGO authentication in Liberty](#).

When your Internet browser is configured for SPNEGO authentication, you can use i2 Analyze without being prompted for a user ID and password.



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# Installing and configuring IBM i2 QRadar® Offense Investigator

After you download and install i2 Offense Investigator, it must be configured so that users can send offenses from QRadar to Analyst's Notebook.

## About this task

You need to enable access and select the authentication method. You can allow access to all users or limit access to a specific User Role. To use i2 Offense Investigator, the User Role must have permission to access at least offenses and log activity.

After you set up the access, you can choose from two authentication mechanisms:

- User name and password: A user must enter log in details every session because no user details are stored on their system.
- Token based: A user enters the token information once only and this token is persisted in the registry.

To use i2 Offense Investigator, a user must have an instance of QRadar version 7.2.8 running and install i2 Offense Investigator in the usual way by using XForce Exchange.

## Procedure

1. After you download the i2 Offense Investigator app extension from the XForce App Exchange, install it using the QRadar Extension Management tool:
  - a) On the **Admin** page of your QRadar console, click **Extensions Management**. The **Extensions Management** window opens.
  - b) Click **Add**.
  - c) Browse to the i2 Offense Investigator file that you downloaded, select **Install immediately**, and then click **Add**.
  - d) When i2 Offense Investigator appears in the **Extensions Management** window, click **Install**.
2. After installation, select the User Roles that are permitted to access i2 Offense Investigator. On the **Admin** page of your QRadar console, click **User Roles** and do one of the following actions:
  - Allow access to all users.
  - Limit access to a specific User Role.
  - Create a User Role and limit access to this new User Role.
3. Ensure that all of the users who require access are added to the User Role that you want to use.
4. Open the page for the User Role that you want to configure, ensure that the group has access to at least offenses and log activity, and then select the **IBM i2 QRadar Offense Investigator** check box.
5. After you configure the User Roles, set up the authentication method.

To specify user name and password authentication, no further configuration is required. Users are required to log in for every Analyst's Notebook session.

To specify token based authentication, set up a token for i2 Offense Investigator to use when it communicates with the server:

- a) On the **Admin** page of your QRadar console, click **Authorized Services**. The **Manage Authorized Services** window opens.

- b) Click **Add Authorized Service**. The **Add Authorized Service** window opens.
- c) Enter the details and click **Create Service**. A new entry is added to the list in the **Manage Authorized Services** window.
- d) Select the newly created service, copy the token that appears in the **Manage Authorized Services** window, and send it to each of the users who require access to i2 Offense Investigator. When a user is prompted to log in, they must select **Token** and enter the token that you give them. After they enter the token once, in subsequent Analyst's Notebook sessions, if this token is still valid, they are not prompted for it again.

## Results

A **Send to i2 Analyst's Notebook** button becomes available to the users in QRadar on the **Offenses** and the **Offense Summary** pages, which allows them to chart selected offenses. Further information about how to use i2 Offense Investigator is provided as part of the Analyst's Notebook online help.

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