

Quick Start Guide

This guide describes how to quickly install and use Operations Analytics Predictive Insights.

Product overview

IBM® Operations Analytics Predictive Insights is real-time performance analysis software for business services. Operations Analytics Predictive Insights eliminates manual threshold and baseline configuration by providing a self-learning capability. By analyzing data from various sources and integrating with existing monitoring products, Operations Analytics Predictive Insights learns the normal behavior of a business service and creates a performance model. When Operations Analytics Predictive Insights predicts or detects anomalies, an alarm is generated.

Operations Analytics Predictive Insights offers out-of-the-box integration with OMNIBus.

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1 Step 1: Access the documentation



Detailed documentation is provided on the IBM Operations Analytics Predictive Insights Knowledge Center:
<http://www-01.ibm.com/support/knowledgecenter/SSJQQ3/welcome>

2 Step 2: Planning your installation



Ensure that you install the prerequisites before you install Operations Analytics Predictive Insights:
Requirements

Hardware and software requirements for Operations Analytics Predictive Insights 1.3.5

Type Predictive Insights in the **Full or partial product name** field and click the **Search** icon. In the **Search results** field, click **IBM Operations Analytics Predictive Insights**. Select **1.3.5** from the **Version** list and choose **Submit**.

Supplementary information

Any additional requirements information is published to the IT Operations Analytics Developers Community, within the Operations Analytics Predictive Insights Requirements wiki page: <https://developer.ibm.com/itoa/docs/predictive-insights/requirements/>

Known Issues

For details of known issues, review the release notes in the IBM Operations Analytics Predictive Insights Knowledge Center: <http://www-01.ibm.com/support/knowledgecenter/SSJQQ3/welcome>

3 Step 3: Plan what you are to Monitor



Plan what you are going to monitor. If you include only resources and metrics that you are interested in, then the alarms from Operations Analytics Predictive Insights that indicate the change in behavior of those resources and metrics will be more interesting to you.

Information on recommended metrics for specific technologies are documented within the Operations Analytics Predictive Insights Data Mediation wiki page: Selecting which metrics to monitor

4 Step 4: Installing Operations Analytics Predictive Insights



Complete these steps to install Operations Analytics Predictive Insights:

1. Copy and extract the installation archive to a location on your server.
2. Install all the Operations Analytics Predictive Insights requirements: DB2® Database, InfoSphere® Streams, IBM Jazz™ for Service Management.

The installation instructions for prerequisites are contained within the *Operations Analytics Predictive Insights Installing* documentation, in the section: *Installation and setup of requirements*.

3. Install all the Operations Analytics Predictive Insights components:
 - a. As a qualified user, navigate to the directory that contains the installation archive, and change to the `predictiveInsightsInstaller1.3.5` directory. Run the command `./install.sh`.
 - b. From the available installation packages, select all of the Operations Analytics Predictive Insights components: Database, Analytics, UI, and Mediation tool.
 - c. Enter the required details for each component, making sure to click **Validate** for each, and then **Next**.
 - d. When all component information is entered and validated click **Install**.

The full installation instructions for each component are contained within the *Operations Analytics Predictive Insights Installing* documentation.

4. After the installation is complete, perform all required configuration steps:
 - a. If you are using OMNIBus WebGUI 8.1 FP2 or later, the launch scripts are automatically added. If you are using an earlier version of WebGUI, to add the launch scripts to the AEL, log in to your visualization application, Dashboard Application Services Hub or Tivoli® Integrated Portal, as the administrator. Click **Administration > Event management Tools > Menu Configuration**, select **Alerts**, and click **Modify**. Move the **ViewChildAlarms...** and **ServiceDiagnosis...** scripts to your preferred menu position, and click **Save**.
 - b. If you are using Tivoli Integrated Portal, to grant access to Operations Analytics Predictive Insights, click **Users & Groups > Manage Groups** and add users to the `predictiveInsightsUsers` and `Netcool_OMNIBus_User` groups. If you are using Dashboard Application Services Hub, to grant access to Operations Analytics Predictive Insights, choose **Console Settings > WebSphere Administrative Console**. In the console, choose **Users & Groups > Manage Groups** and add users to the `Netcool_Omnibus_Admin` group.
5. Start Operations Analytics Predictive Insights consuming data and discovering anomalies:
 - a. As `scadmin`, log on to the server on which you installed the Mediation tool.
 - b. To launch the Mediation tool, run `$PI_HOME/bin/mediationtool.sh`.
 - c. Create a project, and add a data source to the project and set the data source to be of type **Database** or **Filesystem**, as appropriate.
 - d. Update the fields within the **Connection Details** tab to set up the connection to your source database.
 - e. Select the **Model Design** tab, synchronize with the database, and then select the tables or groups that you want to form part of your model.
 - f. For each group you selected, update the **Group Definition**, **Attributes**, and **Metrics**.
 - g. Preview, validate and then deploy the resulting model.
 - h. To set the aggregation interval, run `$PI_HOME/bin/admin.sh set -t=<topic name> system.aggregation.interval <interval>`.
 - i. To start Operations Analytics Predictive Insights, run `$PI_HOME/bin/start.sh`.
 - j. To start data extraction, run `$PI_HOME/bin/admin.sh run_extractor_instance -s=<starttime> -l=<datasource latency>`
 - k. Wait for the training period to complete at which point Operations Analytics Predictive Insights produces alarms.

For information on post-installation configuration tasks, see *Initial configuration of Operations Analytics Predictive Insights* in the IBM Operations Analytics Predictive Insights Knowledge Center: <http://www-01.ibm.com/support/knowledgecenter/SSJQQ3/welcome>.

More information



For more information about Operations Analytics Predictive Insights, and to access community support through the wiki or forum, visit Service Management Connect: <http://www.ibm.com/developerworks/servicemanagement/ia/scapi/index.html>.

