

# **IDERA SQL BI Manager**

## **Version 2.1**

I D  R A

# Table of Contents

1. SQL Business Intelligence Manager Home	4
1.1 Release Notes	5
1.1.1 New features	6
1.1.2 Fixed issues	9
1.1.3 Known issues	11
1.2 Welcome to SQL Business Intelligence Manager	15
1.2.1 What is SQL Business Intelligence Manager?	16
1.2.2 How does SQL Business Intelligence Manager help me?	17
1.2.3 Find Answers	18
1.2.3.1 Contact IDERA	19
1.2.3.2 How to use the Help	20
1.2.4 About IDERA	21
1.2.4.1 IDERA products	22
1.2.4.2 Legal notice	23
1.3 Get started	27
1.3.1 Installation and deployment	28
1.3.1.1 Product components and architecture	29
1.3.1.1.1 IDERA Dashboard product components and architecture	30
1.3.1.1.2 SQL BI Manager product components and architecture	32
1.3.1.2 Hardware requirements	34
1.3.1.3 Software requirements	35
1.3.1.4 Required accounts and permissions	37
1.3.1.5 Ensure FIPS compliance	38
1.3.1.6 Installation instructions	39
1.3.1.6.1 Install the IDERA Dashboard and SQL BI Manager	40
1.3.2 Log in to the IDERA Dashboard	43
1.3.3 What options do you have when you first install SQL BI Manager?	44
1.3.4 Adding Business Intelligence Services for monitoring	47
1.4 Viewing information on the dashboard	54
1.4.1 View active alerts in your SQL BI environment	56
1.4.2 SSAS instances roll up view	58
1.4.3 SSRS instances roll up view	59
1.4.4 SSIS instances roll up view	60
1.4.5 My environment	61
1.4.5.1 Side by side server performance widget	62
1.4.5.2 Managing Licenses	63
1.5 Alerts view	65
1.6 SSAS performance view	68
1.6.1 SSAS metrics	71
1.7 SSRS performance view	74
1.7.1 SSRS metrics	77
1.8 SSIS performance view	80
1.8.1 SSIS Metrics	83
1.9 Administering SQL BI Manager	86
1.10 Integration with the IDERA Dashboard	92

1.10.1 Managing users in the IDERA Dashboard .....	96
1.10.2 Managing products in the IDERA Dashboard .....	98
1.10.3 Managing instances in the IDERA Dashboard .....	101
1.10.4 Configure navigation order in the IDERA Dashboard .....	102
1.10.5 Configure IDERA Dashboard view .....	103
1.10.6 Manage Licenses .....	105
1.10.7 Managing Tags .....	106
1.10.8 Sending notifications .....	107

# SQL Business Intelligence Manager Home

## Monitor SQL Server Business Intelligence with SQL BI Manager

- **BI Monitoring** - Agentless monitoring of SSAS, SSRS, and SSIS health.
- **View Activity** - view active sessions and report generation progress.
- **View data** - view cube sizes & report generation performance.
- **Configurable alerts** - alerts with configurable thresholds.
- **Web based console** - simple-to-use web based console with intuitive views of SQL BI service metrics.

SQL *Business Intelligence Manager* identifies issues within the SQL BI environment to help optimize BI service performance. [Learn more >>](#)

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## Release Notes

SQL Business Intelligence Manager provides agentless monitoring of the servers and services for SQL Server Analysis Services, SQL Server Reporting Services, and SQL Server Integration Services. Get insight into over 140 metrics including OS counters, service performance counters, and system availability. Dashboard views display data across the entire BI environment and enable you to drill down to find details relating to performance and availability issues. In addition, configurable alerts keep you notified of the state of your BI environment so you can take corrective action as needed.

To get a quick glimpse into the features, fixed issues, and known issues in this release of SQL BI Manager, review the following sections of the Release Notes:

- [Key new features in this release.](#)
- [Fixed issues in this release.](#)
- [Known issues in this release.](#)

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## New features

SQL Business Intelligence Manager provides the following new features:

### 2.1 New features

- **Quick access to Alert details**  
Alert Preview text links to the specific alert chart or information.
- **Enhanced view of SSAS Services information**  
Modified Category names in SSAS view and new metrics in SSAS categories.
- **Adjust columns width**  
Expandable/shrinkable width of columns in lists displayed within SSAS, SSRS, and SSIS metrics.
- **IDERA Dashboard 3.0**  
Supports integration with CWF 3.0.

### 1.5 New features

- **FIPS Compatibility**  
SQL BI Manager now supports running on servers subject to Federal Information Processing Standards. for more information about FIPS compatibility, see [Ensure FIPS compliance](#).
- **Data Export**  
All SQL BI Manager charts allow you to export data in a CSV format. CSV allows you to later create a spreadsheet using a product such as Microsoft Excel.
- **Enhanced SQL Server Reporting Services (SSRS) and SQL Server Analysis Services (SSAS) functionality**  
This release includes the following enhancements regarding SQL Server Reporting Services (SSRS) monitoring:
  - Display, report, and define alerts based upon CPU utilization.
  - Display the top 10 reports based on how often run, total processing time, average processing time, and most active user.
  - Display the top 10 most active users.
  - Use an enhanced list of performance metrics including as I/O activity, total processing time, average processing time, and longest running report.

This release includes the following enhancement regarding SQL Server Analysis Services (SSAS) monitoring:

  - Display the top 10 most active users and include drill-down capability to display data related to user activity.

### 1.1 New features

- **Integration with the IDERA Dashboard**  
IDERA SQL BI Manager 1.1 now integrates with the IDERA Dashboard, a common technology framework, designed to support the IDERA product suite. Users are able to obtain an overview of the status of their SQL Servers and hosted databases all in a

consolidated view and navigate to individual product dashboards for details. The IDERA Dashboard provides a central set of services for managing users, product registry, instance registry, aggregated alerts across IDERA applications, a central web server, and tags for grouping instances. For additional information, see [Integration with the IDERA Dashboard](#).

▼ 1.0 New features

- ***Support for SQL Server 2008-2012 versions***

IDERA SQL BI Manager 1.0 supports SQL Server versions 2008, 2008 R2, 2012, and 2014.

- ***Agentless BI Monitoring***

IDERA SQL BI Manager 1.0 provides agentless monitoring of the health and availability of your BI environment.

- ***SQL Server Analysis Services Monitoring***

Provides monitoring of SQL Server Analysis Services and the server they reside on including OS counters, performance counters as well as active SSAS sessions and resource utilization. For additional information, see [SSAS performance view](#).

- ***SQL Server Reporting Services Monitoring***

Provides monitoring of SQL Server Reporting Services and the server they reside on including OS counters, SSRS Report Server counters, SSRS Web Server counters, and SSRS Windows Service counters. For additional information, see [SSRS performance view](#).

- ***SQL Server Integration Services Monitoring***

Provides monitoring of SQL Server Integration Services and the server they reside on including OS counters and performance counters. For additional information, see [SSIS performance view](#).

- **Broad Visibility into SQL BI Manager**

Over 140 metrics across SQL Server Analysis Services, SQL Server Reporting Services, and SQL Server Integration Services to keep you informed about the health and availability of both the service as well as the server they reside on.

- **Roll Up Dashboard**

An intuitive dashboard interface allows you to quickly get a high-level overview of your BI environment and display details on BI environment issues through the drill down capability from the top level view. For additional information, see [Viewing information on the dashboard](#).

- **Alerts View and Configurable Alerts**

The [Alerts view](#) and email alerting keeps you informed on critical issues pertaining to the health and status of your BI environment. You can configure alert threshold levels according to what is suitable for your BI environment. For additional information, see

Configuring alert thresholds.

- **Security**

Role-based security makes it easy to give and restrict access to just the appropriate individuals. For additional information, see [Adding users](#).

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## Fixed issues

This release includes many fixed issues, including the following updates:

### 1.5 Fixed issues

#### *General*

- The Dashboard no longer displays an incorrect % CPU usage for SSAS/SSIS and SSRS services.
- Cube Size is now a column included in the Cubes list.
- An issue preventing validation of user accounts with SQL Server permissions located in another domain no longer occurs.
- The Threshold Configuration widget is updated to be more user-friendly.
- The Dashboard now displays all widgets when SQL BI Manager Services are added from the Welcome wizard.

#### *Alerting*

- An issue causing some older alerts to remain in the current alerts views no longer occurs.
- SQL BI Manager now allows users to configure alert thresholds per metric and per service.
- SSAS/SSIS/SSRS Common Disk-OS-Network-Cache and CPU counters now trigger only a single alert.

#### *BI Performance views*

- The SSAS Performance View now properly displays cube detail for SQL Server 2008 x86 servers.

#### *Charts/Panels*

- When a user refreshes a chart view, SQL BI Manager no longer responds by displaying a service view.

#### *Installation*

- An issue causing the IDERA SQL BI core service to remain in the Windows services after uninstalling SQL BI Manager no longer occurs. This issue was only present alongside SQL Elements installations.

### 1.1 Fixed issues

#### *General*

- An issue causing auto refresh or manual refresh to cut off dashboard widgets' information such as that of the Active alerts roll up view or the SSAS instances roll up view, no longer occurs.
- The list of registered BI services displayed in the Configure Email Alerts window of the Administration tab now groups and clearly marks service instances by BI service (SSAS, SSIS, and SSRS).
- This release fixes an issue where SQL BI Manager was not able to monitor the SSAS service when the SQL Server Database Engine resided in a different machine.

#### *BI Performance views*

- An issue preventing users from viewing correctly active alerts and downtime summary for a selected instance in the SSAS, SSIS, or SSRS performance views no longer occurs.
- This release fixes an issue where charts in the sub-views of the SSAS, SSRS, and SSIS performance views displayed incorrectly. Detailed statistics are now visible.
- This release fixes an issue where disabling SSRS or SSIS monitoring for a particular BI instance resulted in different status updates in the main dashboard (status “N/A”) and the corresponding BI performance views (status “disabled”).

**Charts/Panels**

- This release fixes an issue where charts in the SSAS, SSRS, and SSIS performance views displayed metric data only in the minutes scale. Scale drop down options for Hours, Day, Week, and Month are now available.
- This release fixes an issue preventing the MDX chart of the Performance>SSAS Performance view to display returned data for the SSAS 2012 version.

**Installation**

- An issue causing the IDERA SQL BI core service to remain in the Windows services after uninstalling SQL BI Manager no longer occurs. This issue was only present alongside SQL Elements installations.
- An issue that required manually starting the SQL BI Manager web application service, after installing SQL BI Manager in a Windows 2008 R2 x64 environment, no longer occurs.

**Registering BI services**

- This release fixes an issue impeding SQL BI Manager to register BI services for monitoring when a local SQL Server instance is not installed in the host machine.
- This release fixes an issue preventing users from adding a BI service directly from the SSAS, SSIS, and SSRS performance views.
- This release fixes an issue where users that registered BI services for monitoring in the Welcome wizard, were not able to view all the dashboard widgets such as the SSAS, SSIS, and SSRS instances roll up views.

**Licensing**

- This release fixes an issue where licensing information was not clearly notified to the user at the moment of adding a new BI service, exceeding the amount of licensed servers/BI services for monitoring.

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## Known issues

IDERA strives to ensure our products provide quality solutions for your SQL Server needs. The following known issues are described in this section. If you need further assistance with any issue, visit the Support Portal at [idera.force.com](http://idera.force.com)

### 2.1 Known issues

#### *Upgrade*

- **IDERA Dashboard upgrade for users with SQL Diagnostic Manager 10.0.2 installed.**  
Issues have been detected on SQL DM 10.0.2 installations, after the IDERA Dashboard is upgraded with the BI 2.1 installer.
- **SQL BI Manager 2.1 installer cannot upgrade the IDERA Dashboard in DM 9.0 installations, causing the BI Manager 2.1 installation to fail.**  
The suggested workarounds are as follows:
  - Upgrade SQL Diagnostic Manager to version 9.1 before install.
  - Install BI Manager 2.1 on a separate dashboard.
  - Upgrade the current dashboard to version 2.1.1 before install.

### 1.5 Known issues

#### *Upgrade*

- **SQL BI Manager 1.0 users must upgrade to 1.1 before attempting to upgrade to 1.5.**  
SQL BI Manager 1.0 users first must upgrade to SQL BM Manager 1.1 before upgrading to version 1.5.  
To upgrade from SQL BI Manager 1.0 to version 1.1, follow these steps:
  1. Verify that you have product administration permissions.
  2. In the Repository databases screen, enter the location of the existing 1.0 database (SQL Server Instance) and existing database name (BI Database Name).
  3. The installer detects a 1.0 schema and executes the migration.
 To upgrade from SQL BI Manager 1.1 to version 1.5, see Install SQL Business Intelligence Manager.

### 1.1 Known issues

#### *Installation*

- **The IDERA Dashboard installer is unable to create a login on SQL Server 2005 repository databases.**

The IDERA Dashboard installer is designed to create a login for the specified service account in the SQL Server Repository database. However, this installer is occasionally unable to create a login on SQL Server 2005 Repository databases. This results in lack of access to the IDERA Dashboard Repository. To solve this issue, create the necessary SQL Server logins outside of the installation process:

1. Start SSMS and connect to the SQL Server 2005 Repository database.
2. Create a login in the SQL Server 2005 Repository for the service account to be used during the IDERA Dashboard installation.
3. Run the IDERA Dashboard installer.

### *Upgrade*

- **SQL BI Manager 1.1 requires a custom upgrade procedure.**

In SQL BI Manager 1.1 migration occurs as part of the installation process and requires a custom upgrade procedure. This limitation will be corrected in an upcoming release.

To upgrade from SQL BI Manager 1.0 to our latest version follow these steps:

1. Verify that you have product administration permissions.
2. In the Repository databases screen, enter the location of the existing 1.0 database (SQL Server Instance) and existing database name (BI Database Name).
3. The installer detects a 1.0 schema and executes the migration.

### **1.0 Known issues**

#### *BI services monitoring*

- **SQL BI Manager fails to register BI services for monitoring if a local SQL Server instance is not installed in the host machine.**

In SQL BI Manager 1.0, any BI service must have a local instance of SQL Server installed to be registered for monitoring. For machines where a BI service is running without a local SQL Server instance, installing a copy of SQL Server Express on the target machine allows those services to be monitored. This limitation will be corrected in an upcoming release.

- **The Remove option in the BI Services views removes the monitored BI service instance.**

Users that want to stop monitoring a specific BI service should use “Disable Monitoring” which is accessible through the “gear” icon to the right of the service instance name in the service (SSAS, SSRS, SSIS) view. Selecting **Remove** will remove the service instance and any associated monitored BI services will stop collecting data and sending alerts as a result.

#### *Adding users*

- **SQL BI Manager fails to add a user if he/she lacks an account on the local SQL BI Core Repository.**

SQL BI Manager is designed to add users and grant access as needed. However, users that lack an account on the local SQL BI Core Repository fail to be added as new users in the Administration tab. Please register new users with the SQL BI Core Repository before adding them to SQL BI Manager.

- **New SQL BI Manager users may experience issues when logging into SQL BI Manager console.**

Some recently added users may experience issues when login in the SQL BI Manager console regardless of their Administration or Read Only privileges, or correct Windows credentials. An incorrect user name or password message displays. This is a result of the above requirement to register new users with the SQL BI Core Repository before adding them to SQL BI Manager.

#### Alerts/Data

- **Some SQL Server Reporting Services performance counters are not available for SQL Server 2008.**

Windows Service *First Session Requests/sec* and *Snapshot Updates/sec* are not available for SQL Server 2008 in the SSRS performance view.

- **SQL BI Manager occasionally returns wrong CPU Usage Percent values for the SSAS, SSRS, and SSIS roll up views.**

Users may find that occasionally the CPU Usage Percent values for the SSAS, SSRS, and SSIS roll up views of the main dashboard are incorrect.

- **Cube information for SQL Server Analysis Services fails to display in the SQL Server 2008 X86 version.**

SQL BI Manager is designed to display and report on database cube information for SQL Server Analysis Services. However, an issue in the SSAS Performance view results in an empty view for the x86 version of SQL Server 2008.

- **The following SSAS metrics are not collected for this release:**

Cache: <Inserts/sec, Evictions/sec, KB added/sec>

Processing: Rows Written/sec

Processing Aggregations: Rows Created/sec

Processing Indexes: Rows/sec

Storage Engine: Data Read from Data File

Storage Engine: Dimension Cache <lookups/sec, hits/sec>

Storage Engine: Flat Cache <lookups/sec, hits/sec>

Storage Engine: Measure Group Cache <lookups/sec, hits/sec>

Storage Engine: Calculation Cache <lookups/sec, hits/sec>

Threads: Processing Pool Job Queue Length

- **The following SSRS metrics are not collected for SQL Server 2008 in this release:**

Cache Flushes/Sec

Delivers/Sec

Events/Sec

Snapshot Updates/Sec

## Total App Domain Recycles

### Online Help

To access the online documentation within the SQL BI Manager application select "Help" from the "gear" icon drop down menu. You may also access through the following link: [wiki.idera.com/display/SQLBI](http://wiki.idera.com/display/SQLBI)

### General

- **BI Services charts in SQL BI Manager display metric data only in the 'Minutes' scale.**

Charts in the SSAS, SSRS, and SSIS performance views display metric data only in the 'Minutes' scale. Scale drop down options for Hour, Day, Week, and Month are not available in this release.

- **The My Environment section of the SQL BI Manager's dashboard does not include monitored BI Service Instance information.**

For this release users should be aware that the information displayed at the top right in the DASHBOARD view (UP, DOWN, CRITICAL) encompasses the total number of monitored BI Service Instances and may be different than the number of monitored servers.

- **The Disable Monitoring option in the BI Services performance views disables only a specific BI service.**

For this release users should be aware that when using the option to **Disable Monitoring**, available in the SSAS, SSRS, and SSIS performance views, only the specific BI service is disabled. This information is reflected in MY ENVIRONMENT under "Disabled Instances" from the DASHBOARD VIEW.

- **An option to manually refresh data is not available in all SQL BI Manager views.**

SQL BI Manager is designed to collect data and set alerts every 6 minutes. Displayed data may be manually refreshed by selecting F5.

- **An option to modify the number of rows displayed is not available in the dashboard.**

SQL BI Manager displays by default 10 rows in the different widget sections of the main dashboard. It is not possible to modify this value in this version.

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## Welcome to SQL Business Intelligence Manager

SQL Business Intelligence Manager allows users to take control of their SQL Server Business Intelligence environment. SQL BI Manager provides agentless monitoring of the servers and services for SQL Server Analysis Services, SQL Server Reporting Services, and SQL Server Integration Services.

Need help using SQL BI Manager? See the following sections:

- [Get started](#)
- [Viewing information on the dashboard](#)
- [Alert, SSAS performance, SSRS performance, and SSIS performance views](#)
- [Administering SQL BI Manager](#)

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## What is SQL Business Intelligence Manager?

SQL Business Intelligence Manager provides agentless monitoring of the servers and services for SQL Server Analysis Services, SQL Server Reporting Services, and SQL Server Integration Services. Get insight into over 140 metrics including OS counters, service performance counters, and system availability. Dashboard views display data across the entire BI environment and enable you to drill down to find details relating to performance and availability issues. In addition, configurable alerts keep you notified of the state of your BI environment so you can take corrective action as needed.

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## How does SQL Business Intelligence Manager help me?

It is one thing to know that the report your boss relies on is running slow or your ETL job takes all night. What's even better is to know why those things are happening. With SQL Business Intelligence Manager, you can take control of your BI infrastructure. Having insight into your SQL Server Analysis Services, SQL Server Reporting Services, and SQL Server Integration Services environment makes it easy to identify issues that can quickly be resolved to optimize your business environment.

As a state-of-the-art business intelligence management solution, SQL BI Manager provides:

- Broad visibility into SQL Business Intelligence services with over 140 metrics pertaining to the health and availability of the services and the servers they reside on.
- Dashboard views display data across the entire BI environment and provide drill down capabilities to obtain more details.
- Alerting keeps you notified of the state of your BI environment so you can take corrective action as needed.
- Role based security makes it easy to give and restrict access, to SQL BI Manager, based on a user's role in the organization.

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## Find Answers

This documentation set includes a comprehensive online Help system as well as additional resources that support you as you install and use the product. To access information on other IDERA Solutions, visit our website [www.idera.com](http://www.idera.com).

[View help topics](#)

This wiki includes the following Web browser minimum requirements:

- Internet Explorer 8.0
- Mozilla Firefox 4
- Google Chrome 6

[Print help topics](#)

You can print a help topic from the wiki using the **Print** function in your browser.

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## Contact IDERA

Please contact us with your questions and comments. We look forward to hearing from you. For support around the world, please contact us or your local partner. For a complete list of our partners, please see our [Web site](#).

Sales	713.523.4433 1.877.GO.IDERA (464.3372) (only in the United States and Canada)
Sales Email	<a href="mailto:sales@idera.com">sales@idera.com</a>
Support	713.533.5144 1.877.GO.IDERA (464.3372) (only in the United States and Canada) <a href="https://idera.secure.force.com/">https://idera.secure.force.com/</a>
Website	<a href="http://www.idera.com">www.idera.com</a>

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## How to use the Help

The IDERA wiki includes a comprehensive online Help system as well as additional resources that support you as you install and use IDERA products. You can also search multiple IDERA Support Solutions, available at [idera.force.com](http://idera.force.com)

Additionally, IDERA helps you by providing:

- 24/7 technical support for critical issues.
- Availability to report cases and access a web-based customer portal for update status.
- Access to our [Knowledge center](#) where you can find FAQs, How To's, Best Practices, and Webcasts.

### *View help topics*

This wiki includes the following Web browser minimum requirements:

- Internet Explorer 8.0
- Mozilla Firefox 4
- Google Chrome 6

### *Access online Help*

You can access the IDERA SQL BI Manager Help system through this [link](#).

### *Access the IDERA Customer Support Portal*

IDERA SQL Customers click this link to enter the portal: <http://idera.force.com/>

For any questions regarding access to the Customer Support Portal, contact your [IDERA Sales representative](#).

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## About IDERA

At IDERA, we deliver a new generation of tools for managing, administering, and securing your Microsoft Windows Servers, including SQL Server, PowerShell and Microsoft Dynamics. We employ numerous industry experts worldwide who are devoted to bringing proven solutions to you, the administrator. IDERA provides solutions that help you ensure server performance and availability and reduce administrative overhead and expense. Our award-winning products install in minutes, configure in hours and deploy worldwide in days. IDERA is a Microsoft Gold Certified Partner headquartered in Houston, Texas, with offices in London, UK, Melbourne, Australia, and Sao Paulo, Brazil.

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## IDERA products

Our tools are engineered to scale - from managing a single server to enterprise deployments with thousands of servers. IDERA products combine ease of use with a design that installs in minutes, configure in hours, and deploy worldwide in days. To learn more about Idera products, visit the [IDERA Web site at www.idera.com](http://www.idera.com).

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## Get started

Use the following checklist to get started using SQL Business Intelligence Manager.

<input checked="" type="checkbox"/>	<b>Follow these steps ...</b>
<input type="checkbox"/>	Run the Setup.exe file from the root folder of the intallation kit to <a href="#">install</a> the IDERA Dashboard and SQL Business Intelligence Manager
<input type="checkbox"/>	<a href="#">Log in</a> the IDERA Dashboard.
<input type="checkbox"/>	Use the <b>Welcome to IDERA SQL Business Intelligence Manager</b> wizard to configure your settings ( <i>option only available on your first installation</i> ).
<input type="checkbox"/>	<a href="#">Add BI service instances</a> (SSAS, SSRS, SSIS) for BI monitoring.
<input type="checkbox"/>	If you want to receive alert notifications through e-mail, <a href="#">configure the e-mail settings</a> .
<input type="checkbox"/>	If you want to grant other users access to the IDERA Dashboard or SQL BI Manager, <a href="#">mana ge users</a> in the Administration view.
<input type="checkbox"/>	<a href="#">Get a complete overview</a> of your SQL BI environment in the SQL Business Intelligence Manager dashboard.

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## Installation and deployment

You can install and deploy SQL BI Manager in any environment size. SQL BI Manager integrates seamlessly with the [IDERA Dashboard](#), a common technology framework designed to support multiple IDERA products.

- Learn about the [product components and architecture](#)
- Review the [hardware, software, and permissions](#) requirements
- View [installation instructions](#) for the IDERA Dashboard and SQL BI Manager.

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## Product components and architecture

The IDERA Dashboard and SQL BI Manager consist of a light, unobtrusive architecture that easily runs in your SQL Server environment with minimal configuration. All components run outside and separate from SQL Server processes.

- Learn about the [IDERA Dashboard's](#) components and architecture.
- Learn about the [SQL BI Manager's](#) components and architecture.

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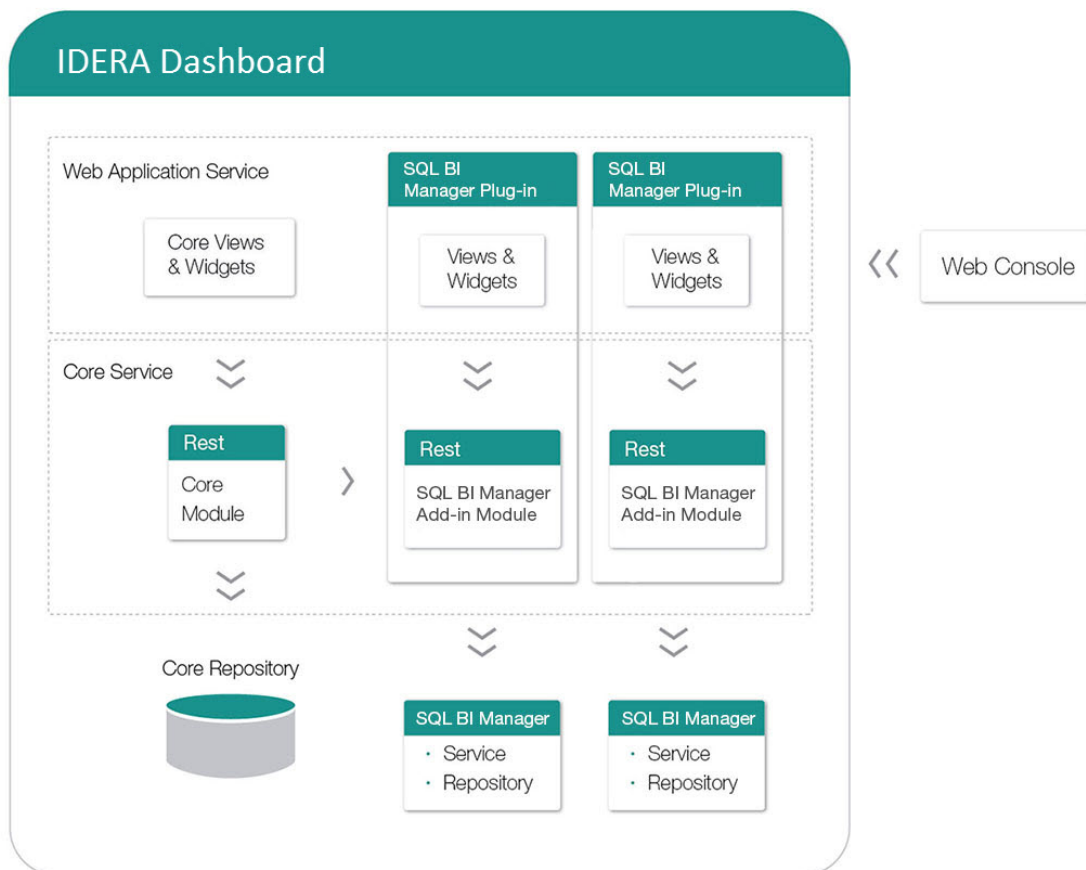
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## IDERA Dashboard product components and architecture

The IDERA Dashboard provides web and back end services, shared across multiple IDERA products. To learn more about what the IDERA Dashboard is and how it works, see [Integration with the IDERA Dashboard](#).

The IDERA Dashboard consists of the following components:

- [Web Application Service](#)
- [Core Service](#)
- [Core Repository](#)



### Web Application Service

The Web Application Service is a Windows service that wraps Apache Tomcat server. The Web Application Service serves up dashboard (IDERA Dashboard) and SQL BI views and widgets that are displayed in the web console. The Web Application Service requires two ports:

- Standard HTTP port (by default 9290)
- SSL port (9291)

### Core Service

The Core Service is a C# (.NET 4.0 Framework) based Windows service that hosts dashboard and SQL BI REST APIs that are used by the Web Application Service to configure and retrieve data. In addition, the Core Service handles product registration, security, configuration, product

data, and event aggregation.

The Core Service uses two ports, one for REST API and the other for .NET remoting:

- Core Service REST API port (by default 9292)
- .NET remoting port (by default 9293)

## Core Repository

The Core Repository is a database where all dashboard's configuration and aggregated data is stored. The Core Repository database is hosted on a SQL Server instance and is accessed by the Core Service to retrieve data.

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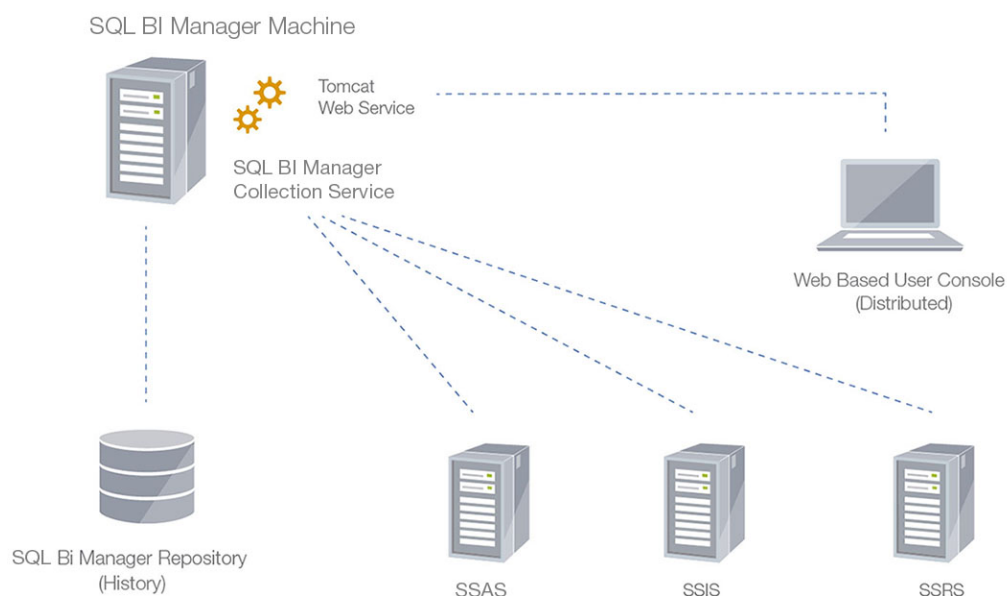
## SQL BI Manager product components and architecture

SQL BI Manager offers a simple architecture which runs in your SQL Server environment with minimal configuration. The web console allows you to easily access the status of your BI environment from any computer at any location without adding or modifying your native SQL Server files or services.

SQL BI Manager consists of the following components:

- SQL BI Manager plug-in
- SQL BI Manager web console
- SQL BI Manager services
- SQL BI Manager database repositories

## SQL BI Manager, How it Works | Architecture



### SQL BI Manager plug-in

When SQL BI Manager is registered with the IDERA Dashboard, the product plug-in module is deployed. The SQL BI Manager *plug-in* consists of web views and widgets and a .NET based *add-in* module (SQL BI Manager *add-in*). The web views and widgets are deployed in the Web Application Service of the IDERA Dashboard, and the SQL BI Manager *add-in* in the Core Service of the same.

The Web Application Service dynamically loads in SQL BI Manager's views and widgets and makes them available to web console users. The views and widgets use the SQL BI Manager *add-in* REST APIs to retrieve data. Likewise, the SQL BI Manager *add-in* retrieves data from the product services and Repository.

### SQL BI Manager web console



The web console is a web application that provides multiple views that help you to:

- Monitor the availability, health, and status of your SSAS, SSRS, and SSIS services.
- Monitor the health and performance of the machines hosting your BI Service instances.
- Perform root cause analysis on poor performing SQL BI environments.
- Get an overview of the status and contents of your SQL BI environment (number of servers, BI instances, and licensing).

### SQL BI Manager services

SQL BI Manager uses the following windows services:

- IDERA Web Server
- IDERA SQL BI Manager Collection Service

SQL BI Manager uses the Collection Service account to gather information from monitored BI instances and their host computers. To change this default setting, go to [Edit Properties](#) .

### SQL BI Manager Repository

SQL BI Manager creates the following database on installation:

- IDERA SQL BI Manager Repository

This database stores information related to application users, configuration information, and data gathered for the monitored BI Service instances. SQL [Business Intelligence Manager](#) identifies issues within the SQL BI environment to help optimize BI service performance. [Learn more >](#)

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## Hardware requirements

### *SQL BI Manager collection service requirements*

The following are the requirements for hosting the SQL BI Manager collection service:

Hardware type	Requirement
CPU	1 GHz
Memory	1 GB
Hard Drive Space	128 MB
Monitor Resolution	1024 by 768 pixels

### *SQL BI Manager repository requirements*

For SQL BI Manager database repository, you need 1GB to 3GB for one year of data, per monitored BI Service instance.

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## Software requirements

### *The IDERA Dashboard and SQL BI Manager services requirements*

You need to comply with the following requirements to install the IDERA Dashboard and SQL BI Manager's collection services:

Type	Requirement	Suggestions
Microsoft. NET Framework version	4.0 or later	<p>Make sure to install this software prior to the installation of the IDERA Dashboard and SQL BI Manager.</p> <p>For more information about the .NET Framework, see the MSDN article <a href="#">NET Framework Versions and Dependencies</a>.</p>
Operating System	Windows Server 2008 SP1+ Windows 2008 R2 Windows 2012	

### *IDERA Dashboard and SQL BI Manager repository requirements*

The IDERA Dashboard and SQL BI Manager support any of the following versions for hosting its repositories:

Edition	Version
SQL Server Express, Standard, or Enterprise Edition	<ul style="list-style-type: none"> <li>• SQL Server 2005</li> <li>• SQL Server 2008</li> <li>• SQL Server 2008 R2</li> <li>• SQL Server 2012</li> <li>• SQL Server 2014</li> </ul>

### *Monitored BI Service instances requirements*

All SQL Server instances that you want to monitor should comply with the following requirements:

Edition	Version
SQL Server Express, Standard or Enterprise Edition	<ul style="list-style-type: none"> <li>• SQL Server 2005</li> <li>• SQL Server 2008</li> <li>• SQL Server 2008 R2</li> <li>• SQL Server 2012</li> <li>• SQL Server 2014</li> </ul>

**Browser requirements**

The IDERA Dashboard and SQL BI Manager's web consoles are compatible with the following browsers:

- Internet Explorer IE 9.x+
- Google Chrome
- Mozilla Firefox

**Port requirements**

The IDERA Dashboard uses the following ports:

- Web Application Service: **9290** (Standard HTTP port) and **9291** (SSL port)
- Core Service: **9292** (REST API port) and **9293** (.NET remoting port)

IDERA SQL BI Manager uses the following ports:

- Collection service port: **9277**

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## Required accounts and permissions

### *Required accounts and permissions*

The IDERA Dashboard and SQL BI Manager connect to registered SQL Server instances and their host computers to collect information. The collection service requires permissions to connect and gather information using SQL and WMI connection credentials.

The IDERA Dashboard and SQL BI Manager requires the assignment of the following permissions for the accounts listed:

Account	Action	Permissions required
Windows user account or Windows security group user account	To install IDERA Dashboard and SQL BI Manager components	Windows Administrator permission on the Target computer
	To create and access the Core and SQL BI Manager repository databases	<ul style="list-style-type: none"> <li>• Create Database Rights on the target SQL Server Instance</li> <li>• Read and write privileges on the Core and SQL BI Manager Repository Databases</li> </ul>
SQL Server login account	For most SQL queries	VIEW SERVER STATE VIEW ANY DATABASE VIEW ANY DEFINITION
	To monitor database information	ALTER ANY DATABASE server level permission or CREATE DATABASE in the master database
	For DBCC CHECKDB	sysadmin server roles
WMI account	To access remote WMI data	Additional rights on a group that has been given remote access

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## Ensure FIPS compliance

You can use SQL BI Manager in environments where Federal Information Processing Standard (FIPS) compliance is required. SQL BI Manager automatically detects whether the target SQL Server instances require FIPS-compliant encryption. When this security setting is detected, SQL BI Manager uses the FIPS-compliant AES encryption algorithms provided by Microsoft.

For more information about FIPS compliance, see the corresponding [Microsoft TechNet Web Article](#) and [Microsoft Knowledge Base Article](#).

Ask your Windows security administrator whether the FIPS system cryptography setting has been enabled in the Local Security Policy or a Group Policy that applies to the SQL Server computer.

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## Installation instructions

This procedure guides you through a typical install of SQL BI Manager integrated with the IDERA Dashboard.

- The SQL BI Manager installation kit provides users with a unified installer for both products: IderaDashboard and SQLBI.
- IDERA recommends running the unified installer. See [Install the IDERA Dashboard and SQL BI Manager](#) for detailed instructions.

### Installation prerequisites

- The user must have a local administrator account.
- Microsoft .NET Framework 4.0 or later must be installed prior to beginning installation.

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## Install the IDERA Dashboard and SQL BI Manager

This procedure guides you through the installation of the IDERA Dashboard and SQL Business Intelligence Manager 2.1.

### *Start your IDERA SQL Business Intelligence Manager installation*

You can install the IDERA Dashboard and SQL Business Intelligence Manager 2.1 on any computer that meets or exceeds the product requirements.

#### **To start installing the IDERA Dashboard and SQL BI Manager:**

1. Log on with an administrator account to the computer on which you want to install SQL BI Manager.
2. Run Setup.exe in the root of the installation kit.
3. On the **Welcome** window of the setup program, click **Next**.
4. Review the license agreement. To accept this license agreement, click **I accept the terms and conditions of this License Agreement**, and then click **Next**.

#### **Select a registration option to install your IDERA Dashboard**

You can select to install or upgrade your IDERA Dashboard on your local machine or on a remote server. If you have previously installed the IDERA Dashboard, provide the URL and the administrator credentials. Then click **Next**.

#### **Select an installation location and type a display name for your instance**

You can use the default install location or specify a different path. For your first install, we recommend using the default location. On the Display Name text box, type a unique name for your SQLBI instance. The display name helps you to distinguish different instances of the same product. Click **Next** to continue with the installation.

#### **Select a Windows user account to use for the service account**

SQL Diagnostic Manager uses the service account to communicate between the monitored SQL Server instance and the SQL BI Manager Repository. The IDERA Dashboard uses this account to connect, discover, and gather configuration information from SQL Servers in your Business environment. The installer grants the "Log on as a Service" right to the account that you specify.

##### **To specify a service account:**

1. On the Service Account window, type appropriate credentials in the provided fields under which the services run.
2. Click **Next**. SQL BI Manager verifies the connection before continuing.

#### **Select service ports to use for the IDERA Dashboard**

The IDERA Dashboard uses ports **9094**, **9290**, **9291**, and **9292** for the web application and dashboard services respectively. However, you can specify different service ports.

##### **To specify a service port:**

1. On the Service Ports window, specify the ports you want the web application and dashboard services to use.




2. Verify that the Firewall allows TCP (Transmission Control Protocol) traffic through your specified ports.
3. Click **Next**.

### Select a SQL Server instance to use for the IDERA Dashboard Repository database

The IDERA Dashboard Repository database is where the collected data, alert information, and alert configuration settings are stored.

#### To specify the SQL Server instance to install the Repository database on:

1. On the Repository Database screen, specify the host SQL Server instance you want to use for the IDERA Dashboard Repository database.
2. Type the name for the IDERA Dashboard Repository database.
3. If your SQL Server environment uses SQL Server Authentication, select the respective check box and click **Change** to enter SQL Server credentials. By default, the IDERA Dashboard uses your Windows credentials when connecting to the Repository database.

 If you use Microsoft SQL Server Authentication, a new window displays where you can type the respective SQL Server login and password.

4. Click **Next**.

### Select a SQL Server instance to use for the SQL BI Manager Repository database

The SQL BI Manager Repository is where the collected data, alert information, and alert configuration settings are stored.


#### To specify the SQL Server instance to install the SQL Diagnostic Manager Repository on:

1. Type the host name and instance in the space provided.
2. If your SQL Server environment uses SQL Server Authentication, select the respective check box and click **Change** to enter SQL Server credentials. By default, SQL BI Manager uses your Windows credentials when connecting to the Repository.
3. If want the SQL BI Management Service to use SQL Server Authentication, select the respective check box and click **Change** to enter SQL Server credentials. By default, SQL BI Manager uses your Windows credentials when connecting to the Repository.
4. Click **Next**.

### Complete the install

The setup will grant the provided accounts access to SQL BI Manager and the IDERA Dashboard. The user that installs the IDERA Dashboard has access to this application by default as a Dashboard Administrator. You can choose whether you want other users to have access to the IDERA Dashboard in the Administration view.

1. Click **Install** to indicate that you are ready to complete your installation with the configurations you specified. If you want to review or change any of your settings, click **Back**.
2. Click **Finish** to exit the IDERA Dashboard Setup Wizard.

 You need to reboot your client machine after installation.

To access the IDERA Dashboard and the SQL BI Manager web console, see [Log in the IDERA Dashboard and web console](#).



## Uninstalling the IDERA Dashboard

If you wish to uninstall the IDERA Dashboard, make sure to unregister all products by clicking the **Manage Products** link of the Products widget in the Administration view. For additional information, see [Managing products in the IDERA Dashboard](#).

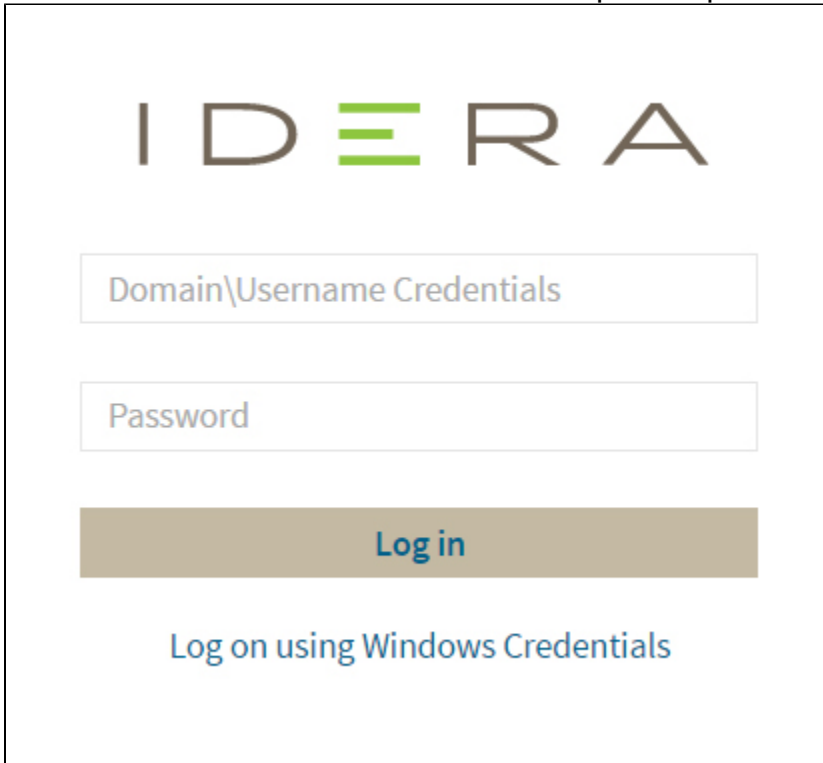
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## Log in to the IDERA Dashboard

Once you have installed and configured your IDERA Dashboard and SQL BI Manager deployments, you can log in to the web console by doing the following:

1. Open your selected Browser. Make sure it is compatible with the IDERA Dashboard [console requirements](#).
2. Type the IDERA Dashboard product URL: **http://<machinename>:<port>** where **<machinename>** is the name of your host or machine, and **<port>** is the port specified during installation. The default URL is **http://<localhost>:9290** or **http://<machinename>:9290**.
3. When the IDERA Dashboard web console launches on your browser, use your Windows user account **<domain\user>** with the respective password to log in to the product.



The screenshot shows the IDERA login interface. At the top is the IDERA logo. Below it are two text input fields: the first is labeled 'Domain\Username Credentials' and the second is labeled 'Password'. Underneath the input fields is a prominent 'Log in' button. At the bottom of the login area, there is a link that reads 'Log on using Windows Credentials'.

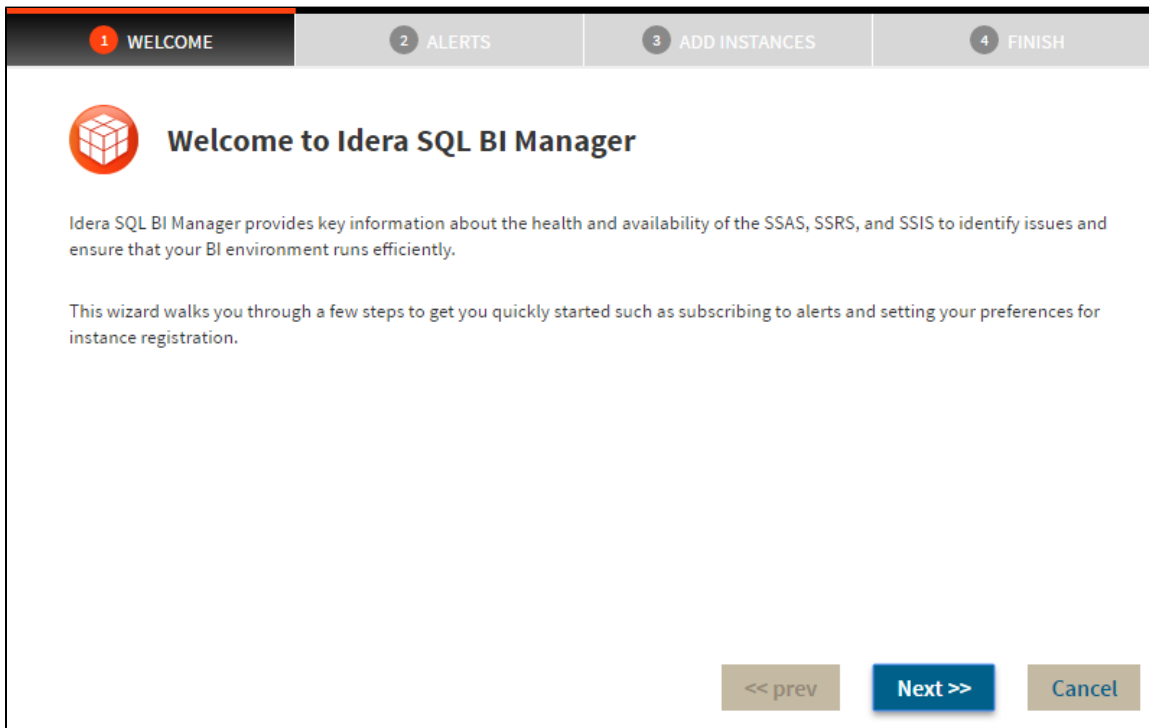
When you log in for the first time, the IDERA Dashboard displays a Welcome Wizard, which allows you to configure BI Manager. [Click here](#) to learn more about the Welcome Wizard.

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## What options do you have when you first install SQL BI Manager?

Upon the first log in to the IDERA Dashboard, SQL BI Manager displays a Welcome Wizard that allows you to configure Email settings to receive alerts notifications and add BI service instances (SSAS, SSRS, SSIS) for monitoring.



Click **Next** to start the configuration.

The **Alerts** section allows you to configure your email settings and enter an email address for subscribing to alerts. When you subscribe to alerts, SQL BI Manager sends you alert emails for critical issues in your environment. These alerts are a result of a set of health checks performed by SQL BI Manager in your BI environment.

**Alert Emails Configuration**

Idera SQL BI Manager performs health checks on your BI environment. Based on the results of these checks, SQL BI Manager sends alert emails for critical issues such as when the SSAS service is unavailable.

Step 1: Configure SQL BI Manager to send emails.

[Configure email \(SMTP\) settings](#)

Step 2: Choose whether you want to receive alert emails.

I would like to receive email notifications for critical issues in my environment.

Send the emails to:

<< prev   **Next >>**   Cancel

Follow these steps to configure alert Emails:

**Step 1:** Configure your Email (SMTP) settings. You must go through this step first if you want to receive alerts. For more information about configuring your email settings, refer to [Configure email \(SMTP\) settings](#).

**Step 2:** Select if you want to receive alert notifications and specify the email address where you want to receive these alerts.

Click **Next** when you are done.

**Add BI Service Instances (SSAS, SSRS, SSIS)**

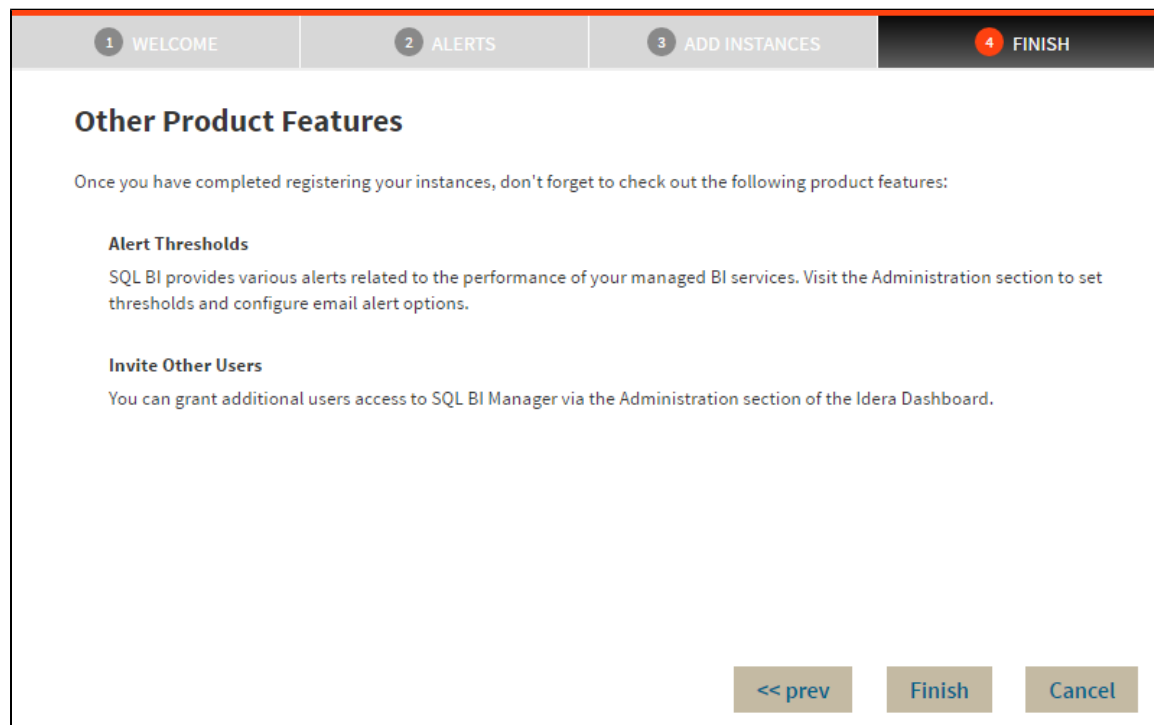
To get started monitoring and managing your SQL Server BI environment, you need to register instances with Idera SQL BI Manager.

Click on the below link to add the instances you want to monitor.

[Add BI Service](#)

<< prev   **Next >>**   Cancel

In the **ADD INSTANCES** section, click the **Add BI Service** option to register SQL BI Service instances to monitor them with SQL BI Manager. For additional details on how to add a BI service, go to [Adding Business Intelligence Services for monitoring](#).



The last section (**FINISH**), displays a summary of other product features available on SQL BI Manager such as:

**Alert thresholds:** Set alert thresholds and configure email alert options in the Administration tab of SQL BI Manager.

**Invite other users:** Grant other users access to SQL BI Manager from the IDERA Dashboard's Administration tab.

You can change any of the previously configured settings by clicking **prev**. Click **Finish** when you complete the configuration process or **Cancel** if you want to skip the process. SQL BI Manager opens the dashboard.

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## Adding Business Intelligence Services for monitoring

In order to monitor a BI Service, access its details, and add it to your monitored environment, you need to register it with SQL BI Manager. This section helps you register one or more BI Service instances with SQL BI Manager.

The Add Instance wizard contains the following three sections:

- Instance tab
- Credentials tab
- Finish tab

### Instance tab

Type the name of the instance or instances where the BI Services you want to monitor are hosted in the **BI Instance Name** box. Use a semicolon to separate instances.

**Tips** ?

*Specify the SQL Server instances you want to register with Idera SQL BI Manager for monitoring. Separate multiple instances with a semicolon.*

*Use the Browse button to get a list of instance names discovered by the Idera SQL BI Manager service.*

**1 INSTANCE**    2 CREDENTIALS    3 FINISH

BI Instance Name

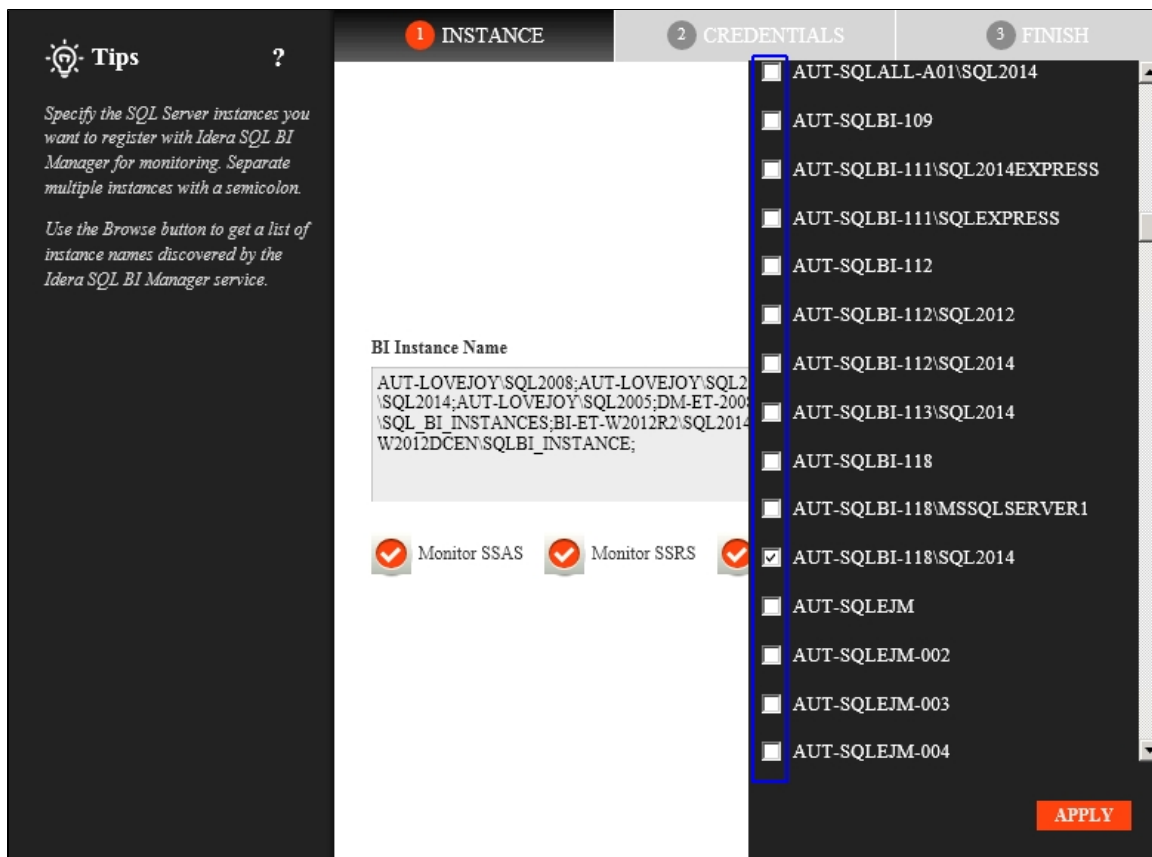
**BROWSE**

**IMPORT**

Monitor SSAS     Monitor SSRS     Monitor SSIS

**<< PREV**    **NEXT >>**    **CANCEL**

You can use the **Browse** button to access a list of discovered instances that have not been registered yet with SQL BI Manager. Check the box next to the BI instances you want to add and click **Apply**.



Alternatively, the **Import** button allows you to import a list of BI instances to be monitored by SQL BI Manager. Choose a .csv file to import, and click **Upload**.



Select instances to import and click **Next** to go to the next section.



**Tips** ?

*Specify the SQL Server instances you want to register with Idera SQL BI Manager for monitoring. Separate multiple instances with a semicolon.*

*Use the Browse button to get a list of instance names discovered by the Idera SQL BI Manager service.*

1 INSTANCE
2 CREDENTIALS
3 FINISH

**BI Instance Name**

AUT-LOVEJOY\SQL2008;AUT-LOVEJOY\SQL2012;AUT-SQLBI-118\SQL2014;AUT-LOVEJOY\SQL2005;DM-ET-2008R2x86\SQL\_BI\_INSTANCES;BI-ET-W2012R2\SQL2014INSTANCE;BI-ET-W2012DCEN\SQLBI\_INSTANCE;

BROWSE

IMPORT

Monitor SSAS

Monitor SSRS

Monitor SSIS

<< PREV

NEXT >>

CANCEL

#### Credentials tab

SQL BI Manager connects to registered SQL Server BI instances and their host computers to collect information. The collection service requires permissions to connect and gather information using the following types of connections:

- SQL connection credentials to perform queries against registered instances
- WMI connection credentials to gather data from the host computers

✔ For more information on the minimum required permissions for these accounts, see [Required accounts and permissions](#).

i If you want to know how to authorize WMI users and set permissions, see the Microsoft document, [Authorize WMI users and set permissions](#).

By default, SQL BI Manager connects using the SQL BI Manager Service Account. However, if you need to provide alternative credentials for any of these two connections, you can choose from the respective options on each section.

### SQL Connection Credentials

Specify the type of account that you want to use to access your SQL Server BI instance and collect its information. If you do not want to use the **SQL BI Manager service account**, you can choose to use a **Windows user account** or a **SQL Server login account** from the **Account Type** list.

1 INSTANCE
2 CREDENTIALS
3 FINISH

**Tips** ?

*Specify the credentials used by Idera SQL BI Manager to gather data about your instances. Choose whether you want to use the SQLBI service account or an alternate account for each type of connection.*

*SQL Connection credentials are used to connect and perform queries against registered instances to collect configuration, availability, performance and capacity data.*

*WMI Connection credentials are used to connect to the instance's host computer to gather configuration and performance data.*

### SQL Connection Credentials

Specify the account to be used to connect to the SQL Server instance to collect availability, capacity and configuration data.

Account Type

SQLBI service account
▼

### WMI Connection Credentials

Specify the account to be used to connect to the computers that host the SQL Server instance to collect performance and configuration data.

Account Type

SQLBI service account
▼

**Pro Tip:** Test the credentials to make sure Idera SQL BI Manager can gather data for instances and host computers.

TEST CREDENTIALS

<< PREV
NEXT >>
CANCEL

If you select a **Windows user account** or **SQL Server login account**, type the respective user name and password. SQL BI Manager uses this account for SQL queries to gather availability and configuration data. Use the **Test Credentials** option at the lower right side of the screen to make sure that SQL BI Manager can gather data for instances and host computers.

Test Credentials	
Instance Name	Status
<input type="checkbox"/> AUT-LOVEJOY\SQL2005	Processing
<input type="checkbox"/> AUT-LOVEJOY\SQL2008	Processing
<input type="checkbox"/> AUT-LOVEJOY\SQL2012	Processing
<input type="checkbox"/> AUT-SQLBI-118\SQL2014	Processing
<input type="checkbox"/> BI-ET-W2012DCEN\SQLBI_INSTANCE	Processing
<input type="checkbox"/> BI-ET-W2012R2\SQL2014INSTANCE	Processing
<input type="checkbox"/> DM-ET-2008R2x86\SQL_BI_INSTANCES	Processing

CANCEL

Once the **Test Credentials** verification completes, you also have the option to remove instances that failed the credential test.

## WMI Connection Credentials

On this section, you can choose to use the **SQL BI Manager service account** or a **Windows user account** by selecting either of them from the **Account Type** list.

**Tips** ?

*Specify the credentials used by Idera SQL BI Manager to gather data about your instances. Choose whether you want to use the SQLBI service account or an alternate account for each type of connection.*

*SQL Connection credentials are used to connect and perform queries against registered instances to collect configuration, availability, performance and capacity data.*

*WMI Connection credentials are used to connect to the instance's host computer to gather configuration and performance data.*

**1 INSTANCE**    **2 CREDENTIALS**    3 FINISH

**SQL Connection Credentials**  
Specify the account to be used to connect to the SQL Server instance to collect availability, capacity and configuration data.

Account Type  
SQLBI service account ▼

**WMI Connection Credentials**  
Specify the account to be used to connect to the computers that host the SQL Server instance to collect performance and configuration data.

Account Type  
SQLBI service account ▼  
SQLBI service account  
Windows user account  
• Manager can gather data for instances and most computers.

<< PREV    NEXT >>    CANCEL

If you choose to use a **Windows user account**, type the respective user name and password. This account allows you to access Windows configuration data of the computer that hosts the registered instance.

- ✔ IDERA recommends that you use the **Test Credentials** option to verify that SQL BI Manager can successfully monitor the newly registered BI instances.

### Finish tab

On this section, you can review your Instance Registration Details such as: Instance name, SQL Connection Credentials, WMI Connection Credentials, Owner, Location, Comments, and monitored BI services.

To change registration details you can:

- Click any of the fields such as Instance, SQL Connection Credentials or Monitor BI services and the appropriate screen displays.
- You can click **PREV** to go back to previous screens until you find the one you need to modify.

**Tips** ?

*Review all the details of the SQL Server instances that you are registering. You can go back to previous steps if you want to change some information.*

1 INSTANCE
2 CREDENTIALS
3 FINISH

Instance **AUT-SQLBI-118\SQL2014;**

SQL Connection Credentials **SQLBI service account**

WMI Connection Credentials **SQLBI service account**

Monitor SSAS Service **True**

Monitor SSIS Service **True**

Monitor SSRS Service **True**

<< PREV
**FINISH**
CANCEL

After you review your registration details click **FINISH**.

**Status**

Instance Name	Status
AUT-SQLBI-118\SQL2014	Added Successfully

**OK**

SQL BI Manager displays a Status screen and begins to collect BI Service information after a few minutes of finishing registration and continuously gathers availability, performance, and configuration information. Click **OK** to access the SQL BI Manager dashboard or the IDERA Dashboard.

Access the Add Instance wizard

The **Add Instance** wizard displays automatically in the **Welcome to IDERA SQL Business Intelligence Manager** wizard. You can also find the **Add BI Service** option in the Administration view. Click the image to view full size.



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## Viewing information on the dashboard

The SQL Business Intelligence Manager dashboard is the home page of the product. The dashboard integrates seamlessly with the IDERA common technology framework ([IDERA Dashboard](#)) and provides an overview of your SQL BI environment, a high-level status of your registered instances and SQL BI services, and alerts about issues found across your SQL BI environment.

The dashboard is divided into several sections:

- Navigation:** DASHBOARD, ALERTS, SSAS, SSRS, SSIS, ADMINISTRATION.
- Status Summary:** UP 6, DOWN 3, CRITICAL 22.
- Alerts Section:**
  - Refresh Page button.
  - CURRENT ACTIVE ALERTS (23 Alerts | 22 Critical | 0 Warning | 1 Info)
  - Table with columns: BI Service, First Seen, Alert Preview, Alert Threshold.
- MY ENVIRONMENT Section:**
  - All SSAS Services: 3
  - All SSRS Services: 3
  - All SSIS Services: 3
  - Disabled SSAS Services: 0
  - Disabled SSRS Services: 0
  - Disabled SSIS Services: 0
  - Side-By-Side Server Performance
  - Available Licenses: Unlimited
- 10 Most Active SSAS Service Instances:**

SSAS Instance Name	Availability	CPU	Memory	I/O Activity
AUT-SQLBI-118	Service Running	0%	1%	491 Bytes/Sec
CH-SP2010-1	N/A	0%	0%	0 Bytes/Sec
CR-2K8R2	Service Running	0%	1%	352 Bytes/Sec
- 10 Most Active SSIS Service Instances:**

SSIS Instance Name	Availability	CPU	Memory	I/O Activity
AUT-SQLBI-118	Service Running	0%	0%	0 Bytes/Sec
CH-SP2010-1	N/A	0%	0%	0 Bytes/Sec
CR-2K8R2	Service Running	0%	1%	0 Bytes/Sec
- 10 Most Active SSRS Service Instances:**

SSRS Instance Name	Availability	CPU	Memory	I/O Activity
AUT-SQLBI-118	Service Running	0%	2%	0 Bytes/Sec
CH-SP2010-1	Service Stopped	0%	0%	0 Bytes/Sec
CR-2K8R2	Service Running	0%	2%	33 Bytes/Sec

On the dashboard you can find the following sections:

- Active alerts roll up view
- 10 Most Active SSAS Service Instances
- 10 Most Active SSIS Service Instances
- 10 Most Active SSRS Service Instances

- [My environment](#)

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## View active alerts in your SQL BI environment

The Active Alerts roll up view provides you with up to date information on all the active alerts in your SQL BI environment.

BI Service	First Seen	Alert Preview	Alert Threshold
CR-2K8R2:SSIS	May 24, 2016 02:06 PM	CRITICAL: SSIS Working Set at 22237184	90.0
AUT-SQLBI-118:SSIS	May 24, 2016 02:06 PM	CRITICAL: SSIS Working Set at 22114304	90.0
CH-SP2010-1:SSRS	May 24, 2016 01:59 PM	SSRS Service is down.	1.0
CH-SP2010-1:SSIS	May 24, 2016 01:59 PM	SSIS Service is down.	1.0
CH-SP2010-1:SSAS	May 24, 2016 01:59 PM	SSAS Service is down.	1.0
CR-2K8R2	May 24, 2016 02:06 PM	CRITICAL: Interrupts Per sec at 1201	50.0
CR-2K8R2	May 24, 2016 02:06 PM	CRITICAL: Process Working Set at 1503297536	50.0
CR-2K8R2	May 24, 2016 02:06 PM	CRITICAL: Available Bytes at 1772093440	50.0
CR-2K8R2	May 24, 2016 02:06 PM	CRITICAL: Committed Bytes at 2934644736	50.0
AUT-SQLBI-118	May 24, 2016 02:06 PM	CRITICAL: Interrupts Per sec at 1212	50.0

Information about current active alerts include BI Service name, date and time of alert inception (First Seen), alert description (Alert Preview), and alert threshold. The most recent alert always shows up at the top of the panel.

- ✔ Alerts clearly indicate which BI Service they belong to (SSAS, SSIS or SSRS). If you click a linkable BI Service name, you can access the alert's corresponding BI performance overview. You can also click the Alert Preview text description on any Alert to view detailed information or display the chart for the specific metric.

The following colors in the Alerts roll up view are associated with a status and action within SQL BI Manager:

Color	Meaning
Gray	Informational threshold where SQL BI Manager generates an informational alert.
Yellow	Warning threshold where SQL BI Manager generates a warning alert.
Red	Critical threshold where SQL BI Manager generates a critical alert.






*to help optimize BI service performance. [Learn more >>](#)*

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## SSAS instances roll up view

The SSAS instances roll up view of the dashboard provides you with access to specific Analysis Services information for your day-to-day operations. View the top 10 most active monitored SSAS instances. Click the image to view full size.

10 Most Active SSAS Service Instances				
SSAS Instance Name	Availability	CPU	Memory	I/O Activity
 AUT-SQLBI-T18	Service Running	0 %	0 %	591 Bytes/Sec
 CH-SP2010-1	N/A	0 %	0 %	0 Bytes/Sec
 CH-SP2010	Service Running	0 %	0 %	0 Bytes/Sec

The SSAS instances roll up view displays the following information:

- SSAS Instance Name
- Availability
- CPU usage in percentage
- Memory usage in percentage
- I/O Activity in Bytes/sec




 In the SSAS instances roll up view you can click any linkable instance and drill down to the SSAS Performance view for additional details.

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## SSRS instances roll up view

The SSRS instances roll up view of the dashboard provides you with access to specific Reporting Services information for your day-to-day operations. View the top 10 most active monitored SSRS instances. Click the image to view full size.

10 Most Active SSRS Service Instances					
SSRS Instance Name	Availability	CPU	Memory	I/O Activity	
 AUT-SQLBI-118	Service Running	0 %	0 %	0 Bytes/Sec	
 CH-SP2010-1	Service Stopped	0 %	0 %	0 Bytes/Sec	
 CH-SP2010	Service Running	0 %	0 %	0 Bytes/Sec	

The SSRS instances roll up view displays the following information:

- SSRS Instance Name
- Availability
- CPU usage in percentage
- Memory usage in percentage
- I/O Activity in MB/sec




 In the SSRS instances roll up view you can click any linked instance and drill down to the SSRS Performance view for additional details.

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## SSIS instances roll up view

The SSIS instances roll up view of the dashboard provides you with access to specific Integration Services information for your day-to-day operations. View the top 10 most active monitored SSIS instances. Click the image to view full size.

10 Most Active SSIS Service Instances				
SSIS Instance Name	Availability	CPU	Memory	I/O Activity
 AUT-SQLBI-T18	Service Running	0 %	0 %	0 Bytes/Sec
 CH-SP2010-1	N/A	0 %	0 %	0 Bytes/Sec
 CH-SP2010	Service Stopped	0 %	0 %	0 Bytes/Sec

The SSIS instances roll up view displays the following information:

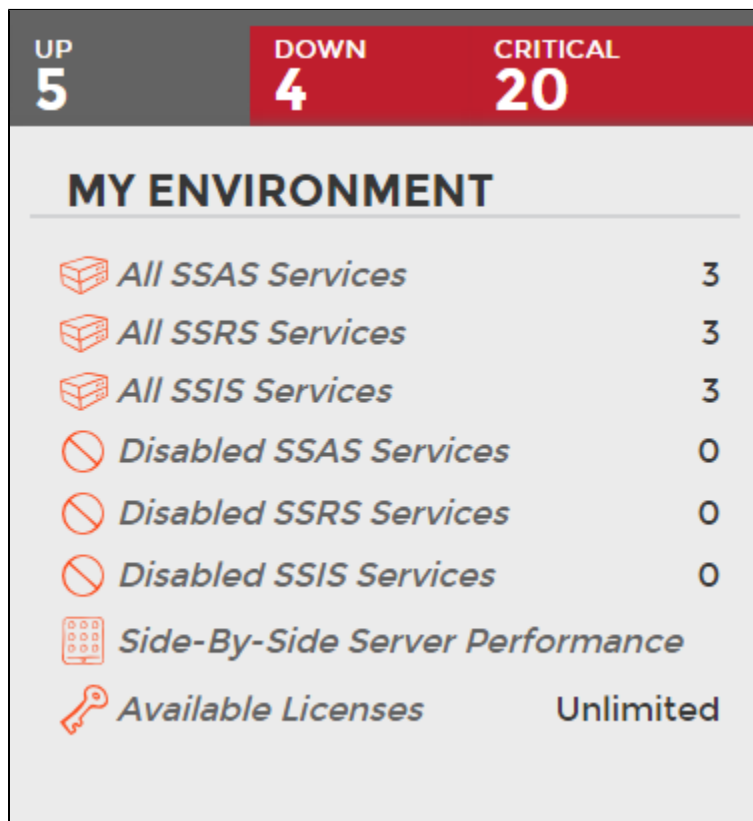
- SSIS Instance Name
- Availability
- CPU usage in percentage
- Memory usage in percentage
- I/O Activity in Bytes/sec

 In the SSIS instances roll up view you can click any linkable instance and drill down to the SSIS Performance view for additional details.

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## My environment



On the right side of the dashboard, SQL BI Manager provides a summary overview of the status and contents of your SQL BI environment that includes:

- **Instances Status** - The number of BI Service Instances that are up, down or critical.
- **BI Services** - The number of BI Services (SSAS, SSRS, or SSIS), currently monitored in your SQL BI environment.
- **Disabled BI Services** - The number of BI Services (SSAS, SSRS, or SSIS), that are disabled from monitoring.
- **Side-By-Side Server Performance** - Upon selecting this option, information about the combined resource utilization on servers hosting BI services displays. For additional information, see [Side-By Side Server Performance](#) widget.
- **Available Licenses** - Access this option to view your current license, add, or buy another one. For more information, refer to [Managing licenses](#).

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## Side by side server performance widget

The **Side by Side Server Performance** widget of **My environment** displays information about the combined resource utilization on servers hosting BI services. It contains the following statistics.

- Server name
- Status of the service
- CPU usage in percentage
- Memory usage in percentage
- I/O Read in Bytes/sec
- I/O Write in Bytes/sec

Side By Side Server Performance <span style="float: right;">? X</span>					
From : May 23, 2016 2:22 PM		To : May 24, 2016 2:22 PM		Refresh	Export
Server	Status	CPU Usage	Memory Usage	IO Read Bytes PerSec	IO Write Bytes PerSec
▸ CR-2K8R2	Service Running	0.0%	1.0%	0	103
▸ CH-SP2010-1	Service Running	0.0%	0.0%	0	0
▸ AUT-SQLBI-118	Service Running	0.0%	1.0%	0	125

[Close](#)

### Additional options

**Select a time interval:** You can select a time interval for which you want information returned.

**Export:** You can export the information displayed to a PDF, XLS, or XML file.

**Select SQL Server:** You can select a server to expand the list and display similar information for all BI services running on that server.

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## Managing Licenses

A license key is required to access all SQL BI Manager features. This license determines the number of BI Service instances that you can monitor.

To view your license status, add, or buy a new license key go to the main dashboard view, and in the status area click **Available Licenses**.

UP	DOWN	CRITICAL
5	4	20

MY ENVIRONMENT	
All SSAS Services	3
All SSRS Services	3
All SSIS Services	3
Disabled SSAS Services	0
Disabled SSRS Services	0
Disabled SSIS Services	0
Side-By-Side Server Performance	
Available Licenses	Unlimited

SQL BI Manager opens the **Manage License** window that displays information relevant to your current license such as:

- Type of license
- License status
- License expiration date
- Total licensed servers
- License key
- SQL BI Manager Repository

? X

## Manage License

**Current License**

Type: Trial License

Status: OK

Expiration Date: Jun 7, 2016

Total Licensed Servers: Unlimited

Monitored Servers: 9

Key: AY96B-SKCCQ-EJW8B-YC2MB-NFSZDA

SQLBI Repository: CH-SP2010-1

**New License**

Apply

[Click here to buy more SQLBI licenses](#)

Close

If you want to add a new license key, type the key under the **New License** section and click **Apply**.

If you need to buy another license, go to [Click here to buy more SQL BI Manager licenses](#) or the [IDERA Customer Support Portal](#).

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## Alerts view

The Alerts view provides comprehensive information on availability and performance issues in your SQL BI environment, as well as OS statistics on SQL BI services instances. In the Alerts tab you can get an overview of all active alerts, as well as an overview of historical alerts.

**DASHBOARD** | **ALERTS** | SSAS | SSRS | SSIS | ADMINISTRATION

[Refresh Page](#) Last Checked on May 23, 2016 04:44 PM

Jump to: [Historical Alerts](#)

**CURRENT ACTIVE ALERTS (22 Alerts | 21 Critical | 0 Warning | 1 Info)**

BI Service	First Seen	Alert Preview	Alert Threshold
<b>LEVEL 1</b> AUT-SQLBI-118:SSIS	May 23, 2016 02:34 PM	CRITICAL: SSIS Working Set at 22114304	90.0
<b>LEVEL 1</b> CR-2K8R2:SSIS	May 23, 2016 02:34 PM	CRITICAL: SSIS Working Set at 22138880	90.0
<b>LEVEL 1</b> CH-SP2010-1:SSRS	May 23, 2016 02:34 PM	SSRS Service is down.	1.0
<b>LEVEL 1</b> CH-SP2010-1:SSIS	May 23, 2016 02:34 PM	SSIS Service is down.	1.0
<b>LEVEL 1</b> CH-SP2010-1:SSAS	May 23, 2016 02:30 PM	SSAS Service is down.	1.0
<b>LEVEL 1</b> CH-SP2010-1	May 23, 2016 02:40 PM	CRITICAL: Interrupts Per sec at 1162	50.0
<b>LEVEL 1</b> CH-SP2010-1	May 23, 2016 02:40 PM	CRITICAL: Process Working Set at 1394749440	50.0
<b>LEVEL 1</b> CH-SP2010-1	May 23, 2016 02:40 PM	CRITICAL: Available Bytes at 2668625920	50.0
<b>LEVEL 1</b> CH-SP2010-1	May 23, 2016 02:40 PM	CRITICAL: Committed Bytes at 1740496896	50.0
<b>LEVEL 1</b> AUT-SQLBI-118	May 23, 2016 02:34 PM	CRITICAL: Interrupts Per sec at 1215	50.0
<b>LEVEL 1</b> AUT-SQLBI-118	May 23, 2016 02:34 PM	CRITICAL: Process Working Set at 7219503104	50.0
<b>LEVEL 1</b> AUT-SQLBI-118	May 23, 2016 02:34 PM	CRITICAL: Available Bytes at 1269825536	50.0
<b>LEVEL 1</b> CR-2K8R2	May 23, 2016 02:34 PM	CRITICAL: Interrupts Per sec at 1193	50.0
<b>LEVEL 1</b> AUT-SQLBI-118	May 23, 2016 02:34 PM	CRITICAL: Committed Bytes at 8738066432	50.0
<b>LEVEL 1</b> CR-2K8R2	May 23, 2016 02:34 PM	CRITICAL: Process Working Set at 1515823104	50.0
<b>LEVEL 1</b> CR-2K8R2	May 23, 2016 02:34 PM	CRITICAL: Available Bytes at 1961885696	50.0
<b>LEVEL 1</b> CR-2K8R2	May 23, 2016 02:34 PM	CRITICAL: Committed Bytes at 2743562240	50.0
<b>LEVEL 1</b> CR-2K8R2:SSRS	May 23, 2016 02:34 PM	CRITICAL: SSRS Working Set at 106651648	50.0
<b>LEVEL 1</b> CR-2K8R2:SSAS	May 23, 2016 02:31 PM	CRITICAL: SSAS Working Set at 48906240	50.0
<b>LEVEL 1</b> AUT-SQLBI-118:SSAS	May 23, 2016 02:31 PM	CRITICAL: SSAS Working Set at 122851328	50.0
<b>LEVEL 3</b> CH-SP2010-1	May 23, 2016 04:43 PM	INFORMATIONAL: C:\Average Disk Milliseconds Per Write at 137	100.0

Display: 50 Refresh

---

**HISTORICAL ALERTS**

From: May 22, 2016 4:44 PM To: May 23, 2016 4:44 PM Refresh Export

BI Service	First Seen	Cleared At	Alert Preview	Alert Threshold
<b>LEVEL 1</b> CH-SP2010-1	May 23, 2016 04:31 PM	May 23, 2016 04:37 PM	CRITICAL: Cache Faults Per sec at 67	50.0
<b>LEVEL 1</b> CH-SP2010-1	May 23, 2016 04:12 PM	May 23, 2016 04:12 PM	CRITICAL: Cache Faults Per sec at 366	50.0
<b>LEVEL 2</b> AUT-SQLBI-118	May 23, 2016 04:09 PM	May 23, 2016 04:15 PM	WARNING: Processor Queue Length at 6	6.0
<b>LEVEL 3</b> CH-SP2010-1	May 23, 2016 03:41 PM	May 23, 2016 04:31 PM	INFORMATIONAL: Processor Queue Length at 3	3.0
<b>LEVEL 3</b> AUT-SQLBI-118	May 23, 2016 03:32 PM	May 23, 2016 03:32 PM	INFORMATIONAL: Processor Queue Length at 5	3.0
<b>LEVEL 1</b> CH-SP2010-1	May 23, 2016 03:23 PM	May 23, 2016 03:29 PM	CRITICAL: Cache Faults Per sec at 421	50.0
<b>LEVEL 3</b> CH-SP2010-1	May 23, 2016 03:23 PM	May 23, 2016 03:29 PM	INFORMATIONAL: Processor Queue Length at 4	3.0
<b>LEVEL 3</b> CH-SP2010-1	May 23, 2016 02:58 PM	May 23, 2016 03:04 PM	INFORMATIONAL: Processor Queue Length at 3	3.0
<b>LEVEL 3</b> CH-SP2010-1	May 23, 2016 02:40 PM	May 23, 2016 02:40 PM	INFORMATIONAL: Processor Queue Length at 3	3.0

Display: 50 Refresh

### Current Active Alerts

The current performance alerts roll up view displays detailed information such as:

- BI Service
- Date/Time of alert inception
- Alert Preview (description)
- Alert Threshold

Click the BI Service name from the list to access an overview of the selected BI Service. You can also click the Alert Preview text description on any Alert to view detailed information or display the chart for the specific metric.

**i** The most recent alert always shows up at the top of the panel.

The following colors in the Alerts view are associated with a status and action within SQL BI Manager:

Color	Meaning
Gray	Informational threshold where SQL BI Manager generates an informational alert.
Yellow	Warning threshold where SQL BI Manager generates a warning alert.
Red	Critical threshold where SQL BI Manager generates a critical alert.

**i** From the current performance alerts you can jump to your historical alerts. Find the **Jump to Historical alerts** option above the Current Active Alerts list.

### Historical alerts

The historical alerts roll up view displays detailed information such as:

- BI Service
- Date/Time of alert inception
- Date/Time of alert clearing
- Alert Preview (description)
- Alert Threshold

Additionally, you can:

- Specify a time frame to display historical alerts.
- Click the BI Service name from the list to access an overview of the selected BI Service.
- Click the Alert Preview text description on any Alert to view detailed information or display the chart for a specific metric.

**i** SQL BI Manager allows you to configure alert thresholds, see [Configuring alert thresholds](#) for more information.

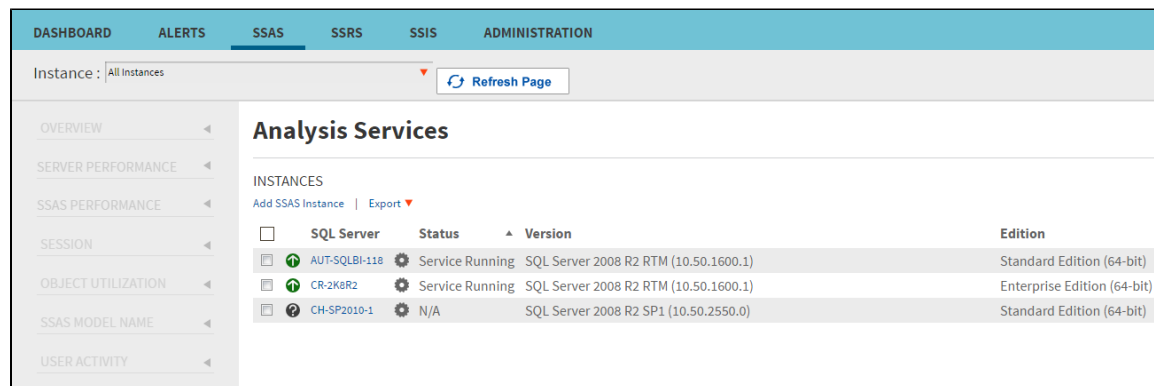
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## SSAS performance view

The SSAS performance view provides comprehensive information on the SQL Server Analysis Services and instances.



In the SSAS performance view you can:

- Get an overview of your SQL Server Analysis Services status and health .
- Add SSAS instances for monitoring.
- Export the current view to a PDF, XLS, or SML file.
- Perform actions on a single BI instance.
- Perform bulk actions on several BI instances.
- Access information of a specific monitored BI instance.

### Overview of your SQL Server Analysis Services

The SSAS performance view provides an overview of your SQL Server Analysis Services. Information displayed includes:

- All monitored instances
- Status of monitored instances
- SQL Server version and edition

### Add SSAS instances for monitoring

Click the **Add SSAS Instance** option above the list to open the Add Instance Wizard. It automatically defines the service you want to monitor as

### Perform actions on a single BI instance

After you select a SQL Server from the list you can perform the following actions:

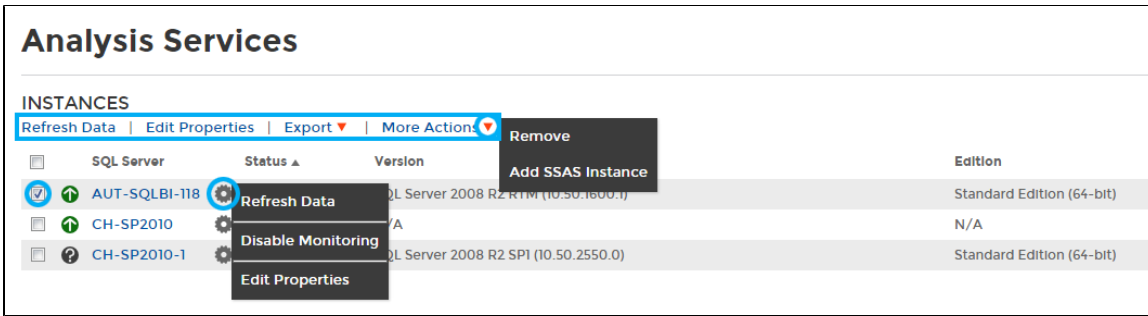
**Refresh Data:** Allows you to update the information manually.

**Edit Properties:** Allows you to modify the previously established credentials.

**Export:** Allows you to export the information available on the SSAS performance view to a PDF, XLS, or XML file.

**Remove:** Allows you to remove instances that you no longer want to monitor.

Additionally, by clicking the gear icon you can also **Disable Monitoring** temporarily (during maintenance operations), as well as **Refresh Data** and **Edit Properties**.



### Perform bulk actions on several BI instances

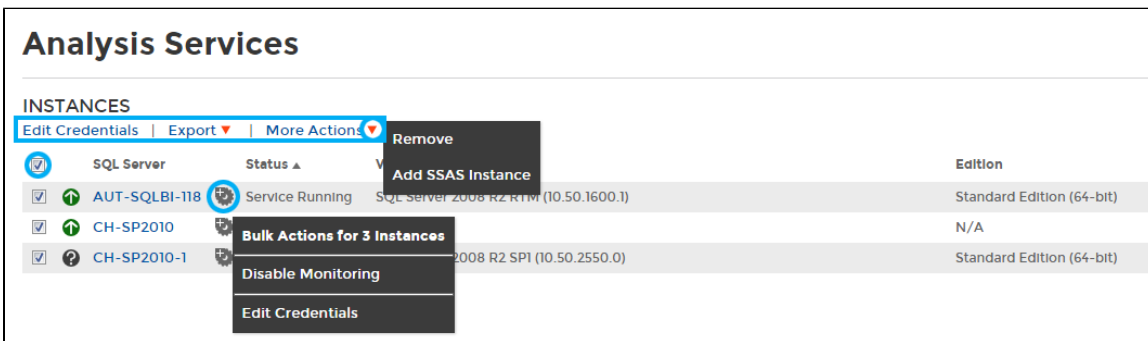
After you select more than one SQL Server from the list, you can perform the following bulk actions:

**Edit Credentials:** Allows you to modify the previously established credentials.

**Export:** Allows you to export the information available on the SSAS performance view to a PDF, XLS, or XML file.

**Remove:** Allows you to remove instances that you no longer want to monitor.

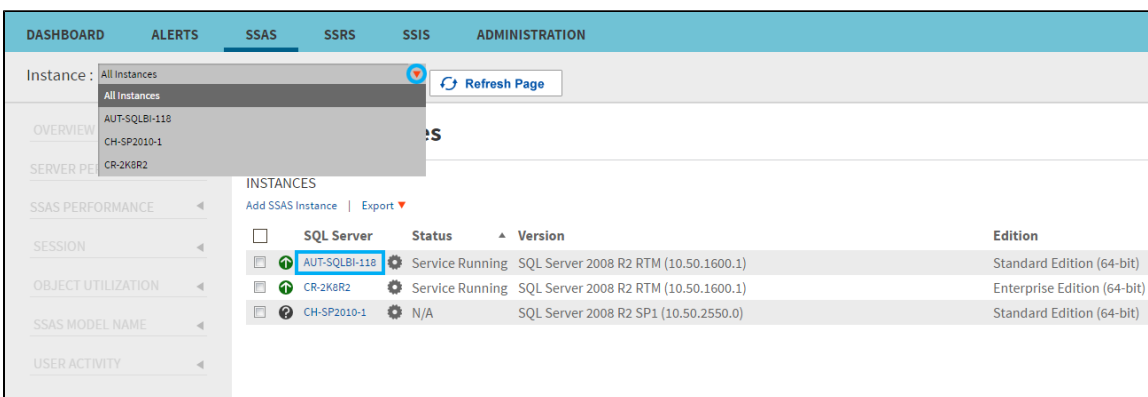
Additionally, you can click the gear icon to access the option to temporarily **Disable Monitoring** (during maintenance operations), as well as to **Edit Credentials**.



**!** If you remove an instance, SQL BI Manager no longer monitors that instance and deletes all associated data from the database.

### Access information of a specific monitored BI instance

You can access detailed information about a specific monitored BI instance by selecting it from the Instance drop-down or by clicking the name of the instance from the list.



Upon your selection, an instance summary with basic details such as **Machine Name** and **Host Server** displays. You can also view current active alerts specific to the instance and a summary of SSAS downtime.

The screenshot shows the IDERA SQL BI Manager interface for instance AUT-SQLBI-118. The top navigation bar includes DASHBOARD, ALERTS, SSAS, SSRS, SSIS, and ADMINISTRATION. The left sidebar lists various performance and session metrics. The main content area is divided into three sections:

- INSTANCE SUMMARY:** Shows Machine Name (AUT-SQLBI-118) and Host Server (AUT-SQLBI-118).
- CURRENT ACTIVE ALERTS (5 Alerts | 5 Critical | 0 Warning | 0 Info):** A table listing active alerts with columns for BI Service, First Seen, Alert Preview, and Alert Threshold.
 

BI Service	First Seen	Alert Preview	Alert Threshold
AUT-SQLBI-118	May 23, 2016 02:34 PM	CRITICAL: Interrupts Per sec at 1218	50.0
AUT-SQLBI-118	May 23, 2016 02:34 PM	CRITICAL: Process Working Set at 7190347776	50.0
AUT-SQLBI-118	May 23, 2016 02:34 PM	CRITICAL: Available Bytes at 1296039936	50.0
AUT-SQLBI-118	May 23, 2016 02:34 PM	CRITICAL: Committed Bytes at 8711139328	50.0
AUT-SQLBI-118:SSAS	May 23, 2016 02:31 PM	CRITICAL: SSAS Working Set at 122863616	50.0
- SSAS DOWNTIME SUMMARY:** A table with columns for From, To, Error, and Total Downtime. It currently shows "No Results Found".

You can click the Alert Preview text from the current active alerts list to display the specific chart or detailed information.

On the left sidebar you can choose from several options that display information and charts for both SSAS performance and server performance. [Click here](#) to learn more about the SSAS metrics available.

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## SSAS metrics

SQL BI Manager monitors several type of metrics to provide accurate information about the status and health of the Analysis Services and the instances hosting these services. The metrics are classified in the following categories:

### Server Performance

This category contains the following server-related performance metrics:

- **Disk**  
Includes the following charts: **Disk transactions**, **Average Seconds per Transaction**, **Current Disk Queue Length**, and **Percent Idle Time**.
- **Network**  
Includes **Data Transfer (bytes/sec)** and **Network Output Queue Length** charts.
- **Cache**  
Includes **Cache Copy Read Hits Percent**, **Cache Copy Reads per Second**, and **Cache Faults** charts.
- **CPU**  
Displays **CPU Thread Switching** (threads waiting vs. thread switches), **Percent Process Time** (Percent Privileged Time vs. Percent User Time), **Percent Processor Time** (Processor Time vs. SSAS Processor Time), and **Interrupts per Second** charts.
- **Processing**  
Displays a **Process Working Set** (Memory Working Set Vs. SSAS Working Set) chart
- **Memory**  
Includes the following charts: **Memory Overall Usage**, **Available Memory**, and **Page Transactions**.

### SSAS Performance

This category contains the following SSAS related performance metrics:

- **SSAS Processing**  
Displays charts for: **Rows Written**, **Aggregation Rows**, and **Index Processing**.
- **Query Activity** (Active Queries & All Queries)
  - **Active Queries**, displays a list of all currently executing MDX/DAX queries. The list can be filtered by **User** and **Session SPID**.
  - **All Queries**, displays charts for **Cell Activity** (Cells Calculated vs. Recomputes), **Calculation Covers**, **Sonar subcubes**, and **Non-Empty Algorithm Utilization** (Un-optimized vs. Calculated Members).
- **SSAS Memory**  
Includes charts for **Memory Utilization** (Overall Usage, Low Limit, High Limit, Shrinkable, Non Shrinkable), **Vertipaq Memory** (Vertipaq Paged vs. Vertipaq Non Paged), and **Vertipaq Mapped Memory** (Vertipaq Memory Mapped vs. Memory Limit Vertipaq).
- **SSAS Cache**  
Displays charts for **Cache Transactions** (evictions/sec vs. inserts/sec) and **Rate of Memory Added to Cache**.

- **SSAS Formula Engine Cache**

Includes the following charts: **Query Pool Threads**, **Query Pool Job Queue Length**, **Processing Pool Threads** (Idle vs. Busy), **Processing Pool Job Queue Length**, **FI at Cache Activity** (Cache Lookups vs. Cache Hits), and **Calculation Cache Activity** (Cache Lookups vs. Cache Hits).

- **SSAS Storage Engine Cache**

Displays the following charts: **Data File Activity** (Bytes Read vs. Logical Reads vs. Queries From File), **Cache Copy Reads**, **Queries Answered from Cache**, **Filtered Queries Answered from Cache**, **Average Time per Query**, **Dimension Cache Activity** (Cache Hits vs. Cache Lookups), and **Measure Group Cache Activity** (Cache Hits vs. Cache Lookups).

### Session

This category displays a list of user sessions within the BI environment with the following columns:

- Session ID
- Status
- Session SPID
- Connection ID
- User
- Database
- Start Time
- Command Count
- Last Command Start
- Last Command End
- Last Command
- CPU Time (ms)
- Reads (KB)
- Writes (KB)
- Used Memory

The items displayed in this list can also be filtered by **Status**, **Session SPID**, **Connection ID**, **User**, and **Database**.

### Object Utilization

This category displays a list of all objects within the cube or tabular model with the following columns:

- BISM
- Type
- Object ID
- CPU Time (ms)
- Object Hit
- Object Miss
- Aggregation Hit
- Aggregation Miss
- Reads (KB)
- Writes (KB)



- Rows Returned
- Rows Scanned
- Object Type

The items displayed in this list can also be filtered by **BISM**, **Object Type**, and **Object ID**.

#### SSAS Model Name

This category displays a list with general information about SSAS Models found within the BI environment with the following columns:


- SSAS Model Name
- Last Schema Update
- Last Data Update
- Write Enabled
- SQL Enabled
- Drill Through Enabled

#### User activity

This category displays a list of all Users' activities within the BI environment. The list includes the following information:

- User Name (clicking on a Session will display all activity from the user)
- Sessions
- CPU Utilization (ms)
- Memory Usage (KB)

Click the User name to display the **Sessions** category list with more detailed information about all sessions performed by the user. You can also export the contents of the list to a PDF, XLS, or XML file.

 You can modify the time frame for the information and the scale (minute, hour, day, week, or month) used in the charts and export the views to an XLS or XML file. You can also print a specific chart or download it as a PNG, JPEG, PDF, or SVG file.

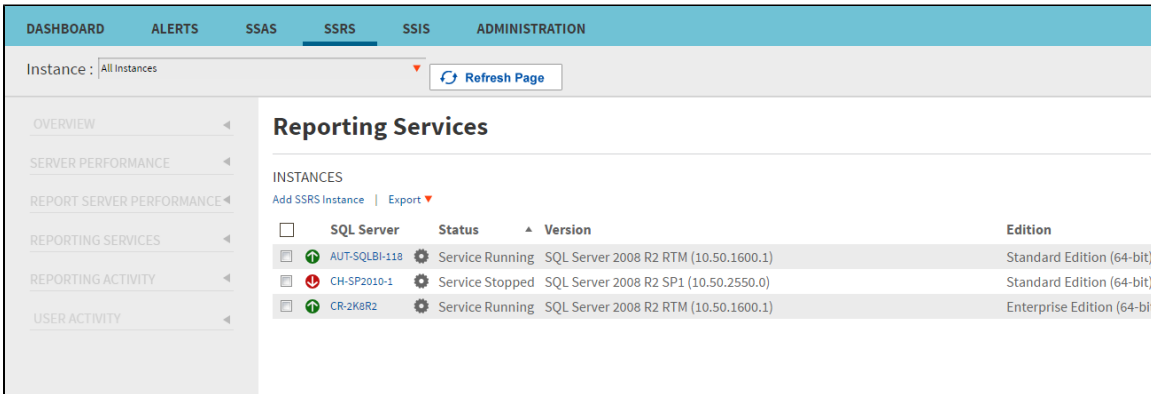
The information displayed in the lists can also be exported to a PDF, XLS, or XML file.

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## SSRS performance view

The SSRS performance view provides comprehensive information on the SQL Server Reporting Services and servers.



In the SSRS performance view you can:

- Get an overview of your SQL Server Reporting Services status and health .
- Add SSRS instances for monitoring.
- Export the current view to a PDF, XLS, or SML file.
- Perform actions on a single BI instance.
- Perform bulk actions on several BI instances.
- Access information of a specific monitored BI instance.

### Overview of your SQL Server Reporting Services

The SSRS performance view provides an overview of your SQL Server Reporting Services and the server they reside on. Information displayed includes:

- All monitored instances
- Status of monitored instances
- SQL Server version and edition

### Add SSRS instances for monitoring

Click the **Add SSRS Instance** option above the list to open the Add Instance Wizard. It automatically defines the service you want to monitor as SSRS.

### Perform actions on a single BI instance

After you select a SQL Server from the list you can perform the following actions:

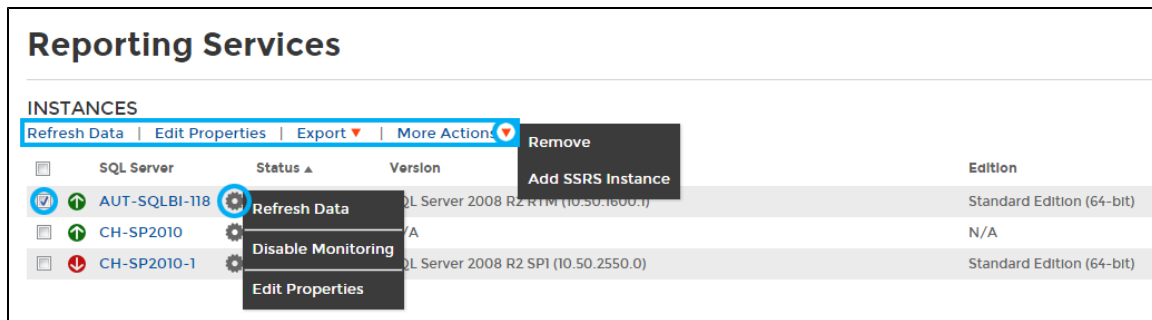
**Refresh Data:** Allows you to update the information manually.

**Edit Properties:** Allows you to modify the previously established credentials.

**Export:** Allows you to export the information available on the SSRS performance view to a PDF, XLS, or XML file.

**Remove:** Allows you to remove instances that you no longer want to monitor.

Additionally, by clicking the gear icon you can also **Disable Monitoring** temporarily (during maintenance operations), as well as to **Refresh Data** and **Edit Properties**.



### Perform bulk actions on several BI instances

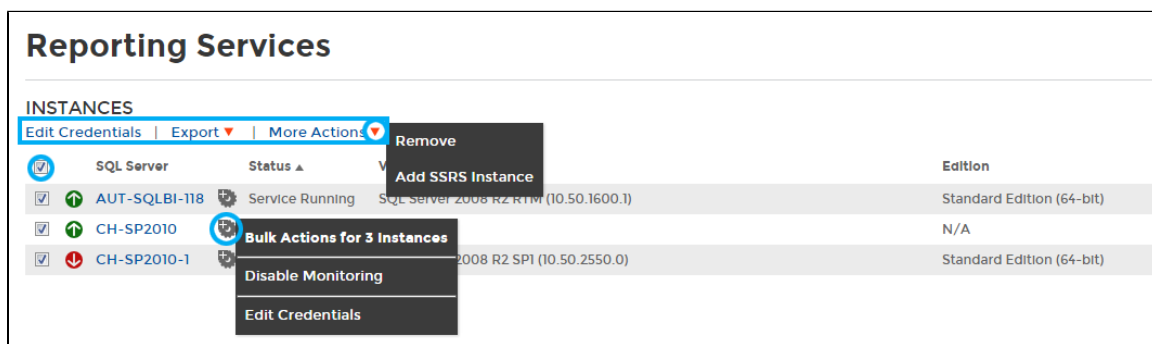
After you select more than one SQL Server from the list, you can perform the following bulk actions:

**Edit Credentials:** Allows you to modify the previously established credentials.

**Export:** Allows you to export the information available on the SSRS performance view to a PDF, XLS, or XML file.

**Remove:** Allows you to remove instances that you no longer want to monitor.

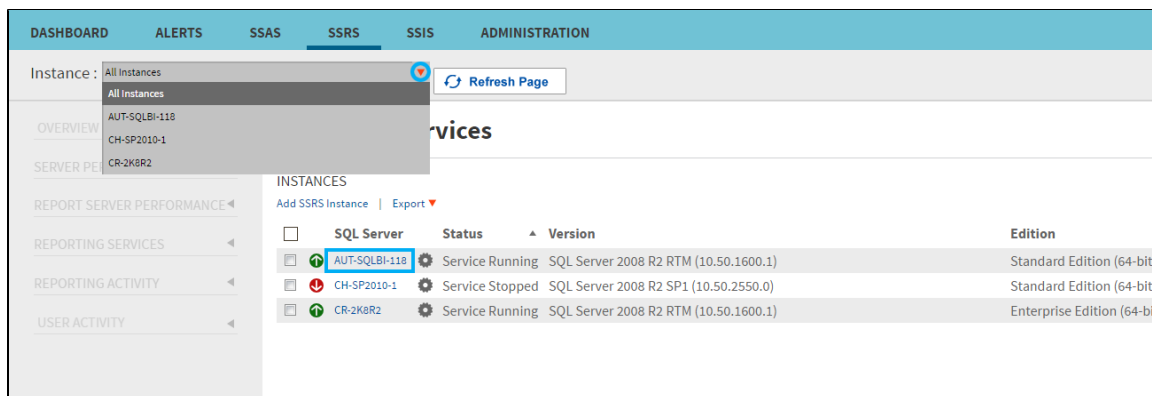
Additionally, you can click the gear icon to access the option to temporarily **Disable Monitoring** (during maintenance operations), as well as to **Edit Credentials**.



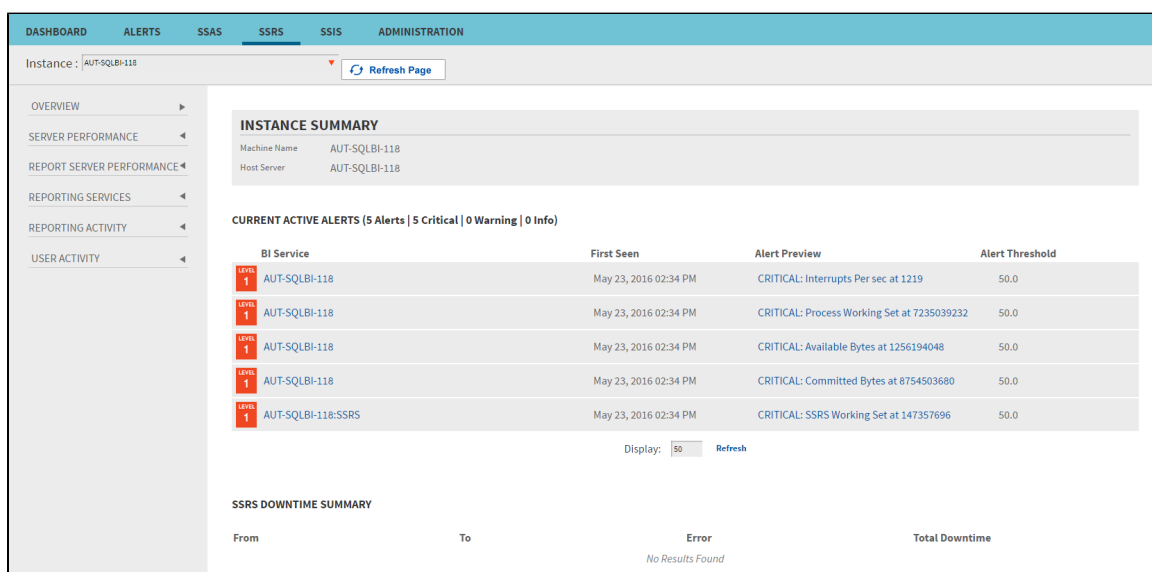
⚠ If you remove an instance, SQL BI Manager no longer monitors that instance and deletes all associated data from the database.

### Access information of a specific monitored BI instance

You can access detailed information about a specific monitored BI instance by selecting it from the instance drop-down or by clicking the name of the instance from the list.



Upon your selection, an instance summary with basic details such as **Machine Name** and **Host Server** displays. You can also view current active alerts specific to the instance and a summary of SSRS downtime.



Click the Alert Preview text from the current active alerts list to display the specific chart or detailed information.

On the left sidebar you can choose from several options that display information and charts for both SSRS performance and server performance. [Click here](#) to learn more about the SSRS metrics available.

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## SSRS metrics

SQL BI Manager monitors several type of metrics to provide accurate information about the status and health of the Reporting Services and the instances hosting these services on a BI environment. The metrics are classified in the following categories:

### Server Performance

This category contains the following server related performance metrics:

- **Disk**  
Includes the following charts: **Disk transactions**, **Average Seconds per Transaction**, **Current Disk Queue Length**, and **Percent Idle Time**.
- **Network**  
Includes **Data Transfer (bytes/sec)** and **Network Output Queue Length** charts.
- **Cache**  
Includes **Cache Copy Read Hits Percent**, **Cache Copy Reads per Second**, and **Cache Faults** charts.
- **CPU**  
Displays **CPU Thread Switching** (Threads Waiting vs. Thread Switches), **Percent Process Time** (Percent Privileged Time vs. Percent User Time), **Percent Processor Time** (Processor Time vs. SSRS Processor Time), and **Interrupts** charts.
- **Processing**  
Displays a **Process Working Set** (Memory Working Set Vs. SSRS Working Set) chart.
- **Memory**  
Includes the following charts: **Memory Overall Usage**, **Available Memory**, and **Page Transactions**.

### Report Server Performance

This category contains the following SSRS Server related performance metrics:

- **Connections**  
Displays charts for **Active Connections** and **Logons** (Attempts vs. Successes).
- **Network**  
Includes **Bytes Transferred** (Received vs. Sent) and **HTTP Errors** charts.
- **Memory**  
Displays charts for **Memory Pressure State**, **Memory Shrink Amount**, and **Memory Shrink Notifications**.
- **Requests**  
Includes charts for **Request Activity** (Disconnected Requests vs. Executing Requests), **Unauthorized Requests**, **Requests Rejected**, **Request Volume**, and **Tasks Queued**.

### Reporting Services

This category includes the following metrics for the SSRS Windows and Web Service:

- **Sessions**  
Displays **Active Sessions** (Windows Sessions vs. Web Sessions), **First Session**

**Requests** (Windows Sessions vs. Web Sessions), and **Next Session Requests** (Windows Sessions vs. Web Sessions) charts.

- **Cache**

Contains charts for **Cache Hits** (Windows Cache Hits vs. Web Cache Hits), **Cache Misses** (Windows Cache Misses vs. Web Cache Misses), **Memory Cache Hits** (Windows Cache Hits vs. Web Cache Hits), **Memory Cache Misses** (Windows Cache Misses vs. Web Cache Misses), and **Cache Flushes**(Windows vs. Web).

- **Requests**

Includes the following charts: **Report Requests** (Windows Requests vs. Web Requests), **Reports Executed** (Windows Reports vs. Web Reports), **Service Requests** (Windows Requests vs. Web Requests), **Processing Failures** (Windows Failures vs. Web Failures), and **Rejected Threads** (Windows Threads vs. Web Threads).

### Reporting Activity

This category includes the following metrics:

- **Report Execution**

Displays a list containing the history of Reports that have been executed in the BI environment. The list includes the following information:

- Report Path
- Parameters
- User
- Report Type
- Status
- Format
- Start Time
- End Time
- Data Retrieval
- Rendering
- Processing

The list can be filtered by Report Path, User, Type, and Status. The list can also be exported to a PDF, XLS, or XML file.

- **Report Performance**

Displays charts for: **Total Processing Time**, **Total Rendering Time**, and **Total Data Retrieval Time** from a specified time frame and scale. You can export the charts to an XLS or CSV file, download them as PNG, JPEG, PDF, or SVG individual files or print them individually.

### User Activity

This category displays a list of all Users' activities within the BI environment. The list includes the following information:

- User name
- Sessions
- I/O Activity

- Total Processing Time(in ms)
- Average Processing Time(in ms)
- Longest Running Report

Click the **User name** to display the **Sessions** category list with more detailed information about all sessions performed by the user. You can also export the contents of the list to a PDF, XLS, or XML file.

✔ You can modify the time frame for the information and the scale (minute, hour, day, week, or month) used in the charts and export the views to a XLS or XML file. You can also print a specific chart or download it as a PNG, JPEG, PDF, or SVG file.

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## SSIS performance view

The SSIS performance view provides comprehensive information on the SQL Server Integration Services and instances.

The screenshot shows the SSIS performance view interface. At the top, there are navigation tabs: DASHBOARD, ALERTS, SSAS, SSRS, SSIS (selected), and ADMINISTRATION. Below the tabs, there's a dropdown menu for 'Instance' set to 'All Instances' and a 'Refresh Page' button. The main content area is titled 'Integration Services' and contains a table of instances. The table has columns for 'SQL Server', 'Status', 'Version', and 'Edition'. There are three instances listed:

SQL Server	Status	Version	Edition
AUT-SQLBI-118	Service Running	SQL Server 2008 R2 RTM (10.50.1600.1)	Standard Edition (64-bit)
CR-2K8R2	Service Running	SQL Server 2008 R2 RTM (10.50.1600.1)	Enterprise Edition (64-bit)
CH-SP2010-1	N/A	SQL Server 2008 R2 SP1 (10.50.2550.0)	Standard Edition (64-bit)

In the SSIS performance view you can:

- Get an overview of your SQL Server Integration Services status and health .
- Add SSIS instances for monitoring.
- Export the current view to a PDF, XLS, or SML file.
- Perform actions on a single BI instance.
- Perform bulk actions on several BI instances.
- Access information of a specific monitored BI instance.

### Overview of your SQL Server Integration Services

The SSIS performance view provides an overview of your SQL Server Integration Services. Information displayed includes:

- All monitored instances
- Status of monitored instances
- SQL Server version and edition

### Add SSIS instances for monitoring

Click the **Add SSIS Instance** option above the list to open the Add Instance Wizard. It automatically defines the service you want to monitor as SSIS.

### Perform actions on a single BI instance

After you select a SQL Server from the list you can perform the following actions:

**Refresh Data:** Allows you to update the information manually.

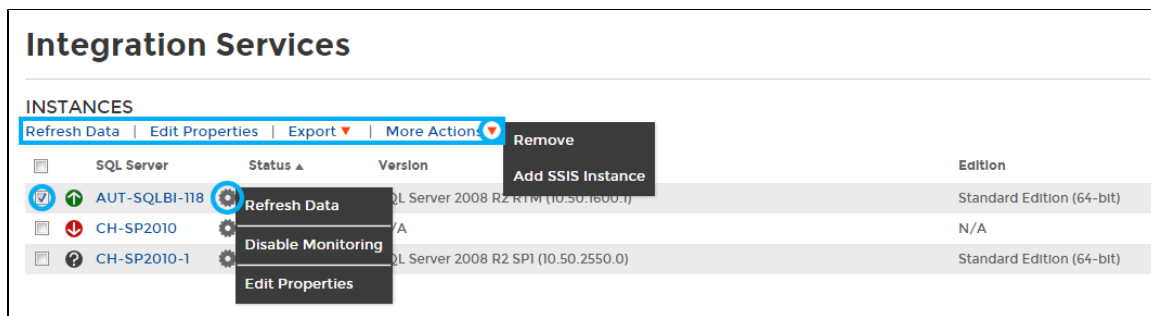
**Edit Properties:** Allows you to modify the previously established credentials.

**Export:** Allows you to export the information available on the SSAS performance view to a PDF, XLS, or XML file.

**Remove:** Allows you to remove instances that you no longer want to monitor.

Additionally, by clicking the gear icon you can also **Disable Monitoring** temporarily (during maintenance operations), as well as to **Refresh Data** and **Edit Properties**.





### Perform bulk actions on several BI instances

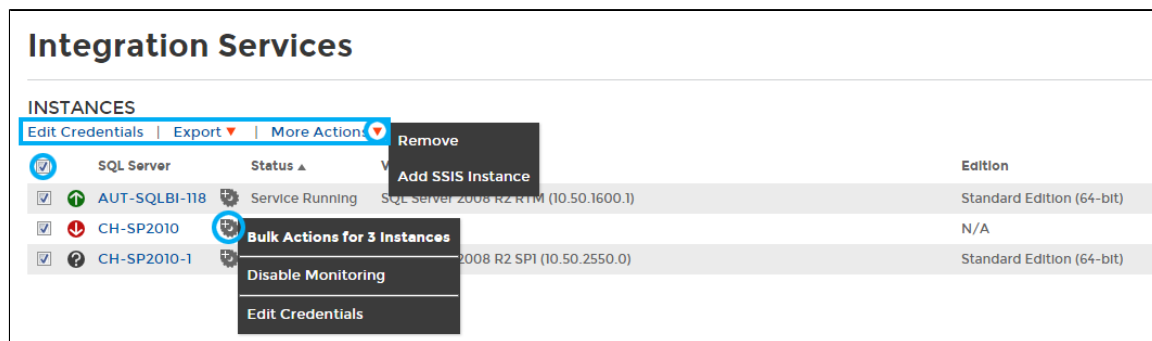
After you select more than one SQL Server from the list, you can perform the following bulk actions:

**Edit Credentials:** Allows you to modify the previously established credentials.

**Export:** Allows you to export the information available on the SSIS performance view to a PDF, XLS, or XML file.

**Remove:** Allows you to remove instances that you no longer want to monitor.

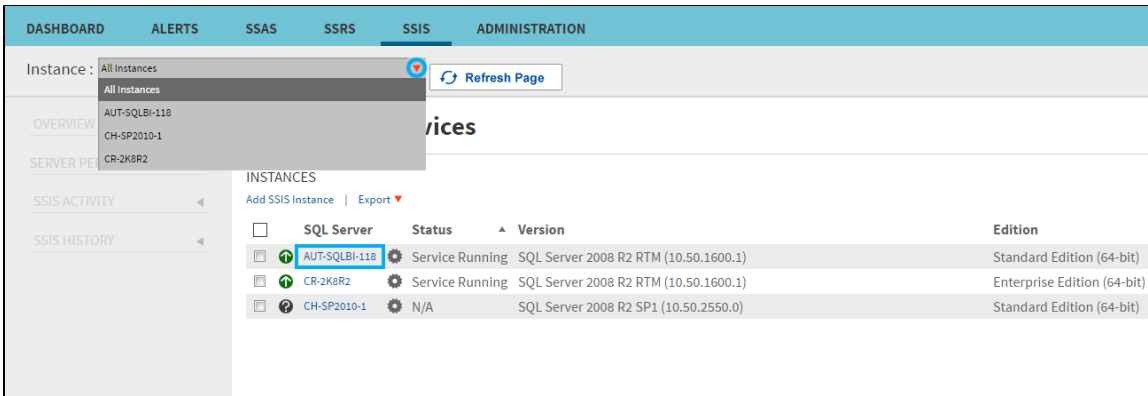
Additionally, you can click the gear icon to access the option to temporarily **Disable Monitoring** (during maintenance operations), as well as to **Edit Credentials**.



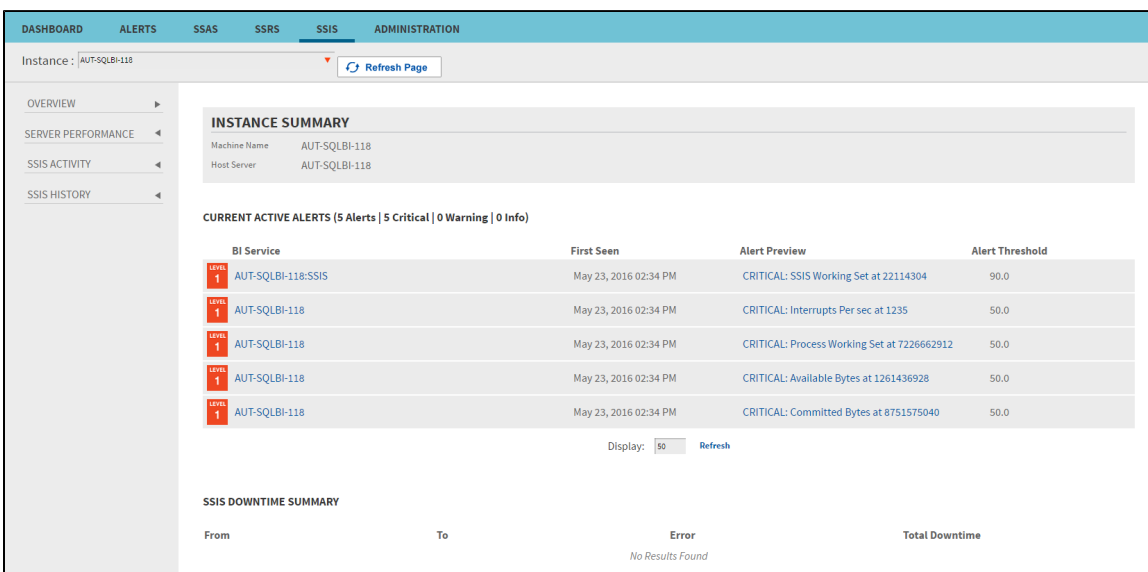
⚠ If you remove an instance, SQL BI Manager no longer monitors that instance and deletes all associated data from the database.

### Access information of a specific monitored BI instance

You can access detailed information about a specific monitored BI instance by selecting it from the instance drop-down or by clicking the name of the instance from the list.



Upon your selection, an instance summary with basic details such as **Machine Name** and **Host Server** displays. You can also view current active alerts specific to the instance and a summary of SSIS downtime.



You can click the Alert Preview text from the current active alerts list to display the specific chart or detailed information.

On the left sidebar you can choose from several options that display information and charts for both SSIS performance and server performance. [Click here](#) to learn more about the SSIS metrics available.

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## SSIS Metrics

SQL BI Manager monitors several type of metrics to provide accurate information about the status and health of the Integration Services and the instances hosting these services on a BI environment. The metrics are classified in the following categories:

### Server Performance

This category contains the following server related performance metrics:

- **Disk**  
Includes the following charts: **Disk Transactions**, **Average Seconds per Transaction**, **Current Disk Queue Length**, and **Percent Idle Time**.
- **Network**  
Includes **Data Transfer (bytes/sec)** and **Network Output Queue Length** charts.
- **Cache**  
Includes **Cache Copy Read Hits Percent**, **Cache Copy Reads per Second**, and **Cache Faults** charts.
- **CPU**  
Displays **CPU Thread Switching** (Threads Waiting vs. Thread Switches), **Percent Process Time** (Percent Privileged Time vs. Percent User Time), **Percent Processor Time** (Processor Time vs. SSIS Processor Time), and **Interrupts** charts.
- **Processing**  
Displays a **Process Working Set** (Memory Working Set Vs. SSIS Working Set) chart.
- **Memory**  
Includes the following charts: **Memory Overall Usage**, **Available Memory**, and **Page Transactions**.

### SSIS Activity

This category displays a list of all **Package Executions** related to the Integration Services instance, with drill down capabilities. The list includes the following information:

- Server
- User
- Package ID
- Package Name
- Status
- Package Start
- Package End
- Duration
- Error Count
- First Error Message
- Configuration Message

You can click the **Package Name** to populate the **Package Details** list below, which contains the following information:

- Execution ID
- Folder Name
- Environment Name

- Project Name
- Step Name
- Execution Duration
- Start Time
- End Time
- Step Result

If you click the **Step Name**, BI Manager displays additional information for the task, organized in a list with the following columns:



- Operation ID
- Message Time
- Message Type
- Message
- Event Name
- Package Step

The items displayed in the **Package Execution** list can be filtered by **Package Name**, **Status**, and **User**. The information can also be exported to a PDF, XLS, or XML file.

#### SSIS History

This category displays Package Monitoring information. The **Package History** list includes the following columns:

- Server
- Package
- Average Execution Time
- Last Execution Date
- Last Execution Status

You can click a Package from the **Package History** list to view detailed **Execution History** information. Use the  and  icons to toggle between a list view and a chart view of the **Execution History**.

The items displayed in the **Package Monitoring** list can be filtered by **Server**. The information from both the **Package History** and the **Execution History** can be exported to PDF, XLS, or XML files.

- ✔ You can modify the time frame and the scale (minute, hour, day, week, or month) used to display the information in the charts and export the views to a XLS or XML file. You can also print a specific chart or download it as a PNG, JPEG, PDF, or SVG file.

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## Administering SQL BI Manager

The **Administration** tab gives you easy access to manage SQL BI Manager options such as SQL BI Service instances, Email alerts, and alerts threshold configuration.

Name	Type	Info	Warning	Critical	Enable
Available Bytes	Numeric	90.0	75.0	50.0	<input checked="" type="checkbox"/>
Average Disk Milliseconds Per Read	Numeric	100.0	200.0	500.0	<input checked="" type="checkbox"/>
Average Disk Milliseconds Per Transfer	Numeric	100.0	200.0	500.0	<input type="checkbox"/>
Average Disk Milliseconds Per Write	Numeric	100.0	200.0	500.0	<input checked="" type="checkbox"/>
Bytes Received/sec	Numeric	50.0	75.0	90.0	<input type="checkbox"/>
Bytes Sent/sec	Numeric	50.0	75.0	90.0	<input type="checkbox"/>
Cache Faults Per sec	Numeric	90.0	75.0	50.0	<input checked="" type="checkbox"/>
Cache: Copy Reads/sec	Numeric	50.0	75.0	90.0	<input type="checkbox"/>
Committed Bytes	Numeric	90.0	75.0	50.0	<input checked="" type="checkbox"/>
Context Switches/sec	Numeric	50.0	75.0	90.0	<input type="checkbox"/>
Copy Read Hits Percent	Numeric	90.0	75.0	50.0	<input checked="" type="checkbox"/>
Current Disk Queue Length	Numeric	90.0	75.0	50.0	<input checked="" type="checkbox"/>
Disk Read Bytes/sec	Numeric	50.0	75.0	90.0	<input type="checkbox"/>
Disk Transfer Bytes/sec	Numeric	50.0	75.0	90.0	<input type="checkbox"/>
Disk Write Bytes/sec	Numeric	50.0	75.0	90.0	<input type="checkbox"/>
Interrupts Per sec	Numeric	90.0	75.0	50.0	<input checked="" type="checkbox"/>
Network Output Queue Length	Numeric	50.0	75.0	90.0	<input type="checkbox"/>
OS Paging	Numeric	50.0	75.0	90.0	<input checked="" type="checkbox"/>
Pages Per sec	Numeric	90.0	75.0	50.0	<input checked="" type="checkbox"/>
Percent Idle Time	Numeric	90.0	75.0	50.0	<input checked="" type="checkbox"/>

In the Administration tab you can:

- Enable or disable alerts and thresholds
- Configure alerts thresholds
- Add SQL BI Service Instances for monitoring
- Configure SMTP settings for alerting
- Configure Email alerts
- Manage Monitored Instances

### Enable or disable alerts and thresholds


SQL BI Manager allows you to enable or disable the generation of alerts and collection of some performance metrics. You can disable alerts when not necessary, to save system resources, or perform maintenance.

To enable or disable specific alerts and thresholds, start by selecting the BI Instance and the type of alert (Server, SSAS, SSRS, SSIS) from the drop-downs above the list. Then, under the **Enable** column, select the alert you want to enable or deselect to disable it.

You can also click the **Enable All** button to quickly enable all alerts on a specified BI Instance, or click the **Disable All** button to disable all alerts for the selected BI Instance.

### Configure alert thresholds

In SQL BI Manager you can set alert thresholds to keep you informed of only relevant information about your SQL Server BI environment.

To edit an alert threshold, start by selecting the BI instance and the type of alert (Server, SSAS, SSRS, SSIS) from the drop-downs above the list. Then, you can access the Threshold Configuration window by clicking the pencil icon  at the right end of the alerts list.

**Threshold Configuration: AUT-SQLBI-118** ? X

**Metric: SSAS Avg time Per query**

<b>Info</b>	to	<b>Warning</b>	to	<b>Critical</b>	and above
<input type="text" value="90"/>		<input type="text" value="75"/>		<input type="text" value="50"/>	

In the **Threshold Configuration** window, you can specify thresholds for **Informational**, **Warning**, and **Critical** alerts. Once you have configured your alert thresholds you can verify this information in the Administration roll up view.

#### Add SQL BI Service Instances for monitoring

Use the **ADD BI SERVICE** option to add SQL BI Service Instances for monitoring. For additional information, refer to Adding Business Intelligence Services for monitoring.

#### Configure SMTP settings for alerting

Use the **CONFIGURE SMTP** option to configure Email server settings to be able to send notifications over Email.

**Email Settings** ? X

**Email Information**

Sender Address:

Reply To Address:

Message Footer:

**Outgoing Mail Server Information**

SMTP Server Address:

SMTP Server Port:   Use an SSL encrypted connection

SMTP Server requires authentication

User Name:

Password:

**Test Email Settings**

Recipient of test email:

Configure the following settings:

#### Email Information

**Sender Address:** Enter the Email address that SQL BI Manager will use as the sender of the Email notifications.

**Reply To Address:** Specify a reply-to Email address to receive replies from Emails.

**Message Footer:** Enter the text that you want to appear in the footer of Email notifications.

#### Outgoing Mail Server Information

In order to send email notifications, you must specify the settings of an email server you want to use. You need to provide the following information:

**SMTP Server Address:** Enter the name or Internet Protocol (IP) address of your SMTP mail server.

**SMTP Server Port:** Enter the IP port that the SMTP mail server uses. The default SMTP



port is 25.

**Use an SSL encrypted connection:** Select this check box to use an SSL encrypted connection to connect to the email server.

**SMTP Server authentication:** Select this check box if your SMTP server requires authentication, specify then a valid user name and password to access the email server.

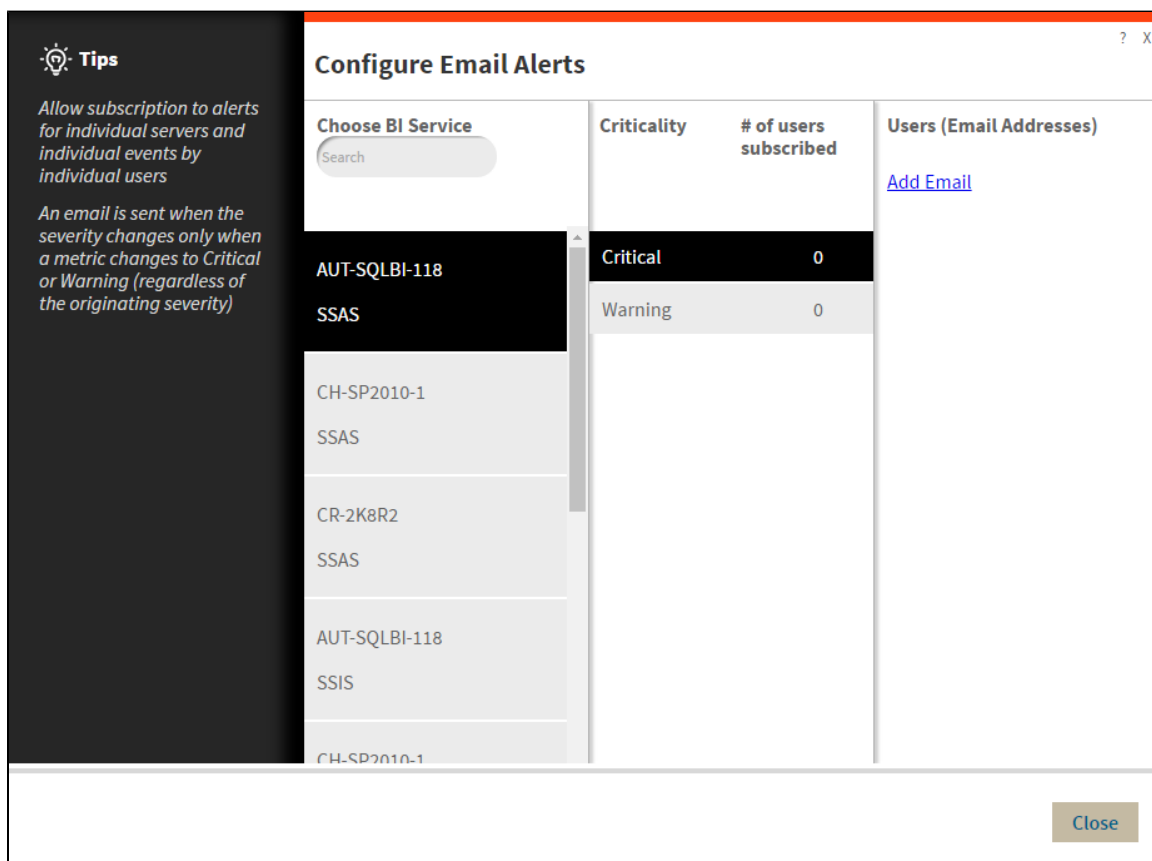
### Test Email Settings

You can use this section to test your email settings. For this purpose, enter the **Recipient of the test email** and click **SEND TEST EMAIL**. SQL BI Manager sends a test email to the recipient you specify. You can verify this test email in the respective recipient account.

After you configure your Email settings, you can subscribe to alerts by configuring Email alerts.

### Configure Email alerts

Use the **CONFIGURE EMAIL ALERTS** option to subscribe specific users to receive Email alerts on specific events occurring on specific monitored BI servers. SQL BI Manager sends an Email when the severity changes to Critical or Warning (regardless of the originating severity).



Follow these steps to **Configure Email Alerts**:

- Select the BI Service you want to receive alerts from.
- Select **Critical** or **Warning** to receive alerts only when a metric changes to either status.
- Add Email address of the recipient.

### Manage Monitored Services

Use the **MANAGE MONITORED SERVICES** option to have a general overview of all monitored BI instances. This view displays information such as the **Component Type**, its **Status**, the **Service** and **Host Name**, the **Authentication User Name**, the **Alert Refresh Time**, and the **Monitoring** status (true or false). You can also **Export** this information to a PDF, XLS, or XML file.

Component Type	Status	Service Name	Host Name	Authentication User Name	Alert Refresh Time(mins)	Monitoring
SSAS	RUNNING	AUT-SQLBI-118	AUT-SQLBI-118	SQLBI Service Account	6	true
SSAS	UNKNOWN	CH-SP2010-1	CH-SP2010-1	SQLBI Service Account	6	true
SSAS	RUNNING	CR-2K8R2	CR-2K8R2	SQLBI Service Account	6	true
SSIS	RUNNING	AUT-SQLBI-118	AUT-SQLBI-118	SQLBI Service Account	6	true
SSIS	UNKNOWN	CH-SP2010-1	CH-SP2010-1	SQLBI Service Account	6	true
SSIS	RUNNING	CR-2K8R2	CR-2K8R2	SQLBI Service Account	6	true
SSRS	RUNNING	AUT-SQLBI-118	AUT-SQLBI-118	SQLBI Service Account	6	true
SSRS	STOPPED	CH-SP2010-1	CH-SP2010-1	SQLBI Service Account	6	true
SSRS	RUNNING	CR-2K8R2	CR-2K8R2	SQLBI Service Account	6	true

Display: 10 Refresh

Close

You can also perform actions to either single or several BI instances.

#### Perform actions on a single BI instance

After you select a SQL Server from the list, you can perform the following actions:

- Edit Properties:** Allows you to modify the previously established credentials.
- Export:** Allows you to export the information available to a PDF, XLS, or XML file.
- Remove:** Allows you to remove instances that you no longer want to monitor.

Additionally, by clicking the gear icon you can also **Change Refresh Interval**, as well as to **Disable Monitoring** temporarily (during maintenance operations) and **Edit Properties**.

Component Type	Status	Service Name	Host Name	Authentication User Name	Alert Refresh Time(mins)	Monitoring
SSAS	RUNNING	AUT-SQLBI-118	AUT-SQLBI-118	SQLBI Service Account	6	true
SSAS	UNKNOWN	CH-SP2010-1	CH-SP2010-1	SQLBI Service Account	6	true
SSAS	RUNNING	CH-SP2010	CH-SP2010	SQLBI Service Account	6	true
SSIS	RUNNING	AUT-SQLBI-118	AUT-SQLBI-118	SQLBI Service Account	6	true
SSIS	UNKNOWN	CH-SP2010-1	CH-SP2010-1	SQLBI Service Account	6	true
SSIS	STOPPED	CH-SP2010	CH-SP2010	SQLBI Service Account	6	true
SSRS	RUNNING	AUT-SQLBI-118	AUT-SQLBI-118	SQLBI Service Account	6	true
SSRS	STOPPED	CH-SP2010-1	CH-SP2010-1	SQLBI Service Account	6	true
SSRS	RUNNING	CH-SP2010	CH-SP2010	SQLBI Service Account	6	true

Context Menu: Edit Properties, Export, More Action, Remove

#### Perform bulk actions on several BI instances

After you select more than one SQL Server from the list, you can perform the following bulk actions:

**Edit Credentials:** Allows you to modify the previously established credentials.

**Export:** Allows you to export the information available to a PDF, XLS, or XML file.

**Remove:** Allows you to remove instances that you no longer want to monitor.

Additionally, you can click the gear icon to access the option to temporarily **Disable Monitoring** (during maintenance operations), as well as to **Edit Credentials**.

The screenshot shows the 'Manage Monitored Services' interface. At the top, there are buttons for 'Edit Credentials', 'Export', 'More Actions', and 'Remove'. Below is a table with columns: Component Type, Status, Service Name, Host Name, Authentication User Name, Alert Refresh Time(mins), and Monitoring. A context menu is open over the 'Status' column, showing options: 'Bulk Actions for 9 Instances', 'Disable Monitoring', and 'Edit Credentials'.

Component Type	Status	Service Name	Host Name	Authentication User Name	Alert Refresh Time(mins)	Monitoring
SSAS	Running	AUT-SQLBI-118	AUT-SQLBI-118	SQLBI Service Account	6	true
SSAS	Running	CH-SP2010-1	CH-SP2010-1	SQLBI Service Account	6	true
SSAS	Running	CH-SP2010	CH-SP2010	SQLBI Service Account	6	true
SSIS	Running	AUT-SQLBI-118	AUT-SQLBI-118	SQLBI Service Account	6	true
SSIS	UNKNOWN	CH-SP2010-1	CH-SP2010-1	SQLBI Service Account	6	true
SSIS	STOPPED	CH-SP2010	CH-SP2010	SQLBI Service Account	6	true
SSRS	Running	AUT-SQLBI-118	AUT-SQLBI-118	SQLBI Service Account	6	true
SSRS	STOPPED	CH-SP2010-1	CH-SP2010-1	SQLBI Service Account	6	true
SSRS	RUNNING	CH-SP2010	CH-SP2010	SQLBI Service Account	6	true

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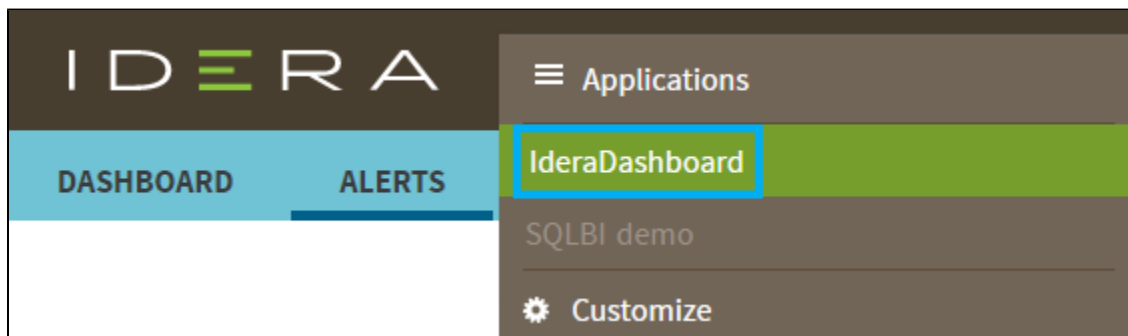
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## Integration with the IDERA Dashboard

### What is the IDERA Dashboard?

The IDERA Dashboard is a common technology framework designed to support the entire IDERA product suite. The IDERA Dashboard allows users to get an overview of the status of their SQL Servers and hosted databases in a consolidated view while providing users the means to drill into individual product dashboards for details.

To access the IDERA Dashboard, select **IDERA Dashboard** from the drop-down menu, next to the IDERA logo.






The IDERA Dashboard is comprised of the following tabs:



- Overview
- Details view
- Alerts view
- Administration

### What actions can be performed in the Overview tab of the IDERA Dashboard?

In the IDERA Dashboard users can glance at their registered products overall status through the **Overview** tab. This tab contains product widgets of all the products registered with the IDERA Dashboard. By default, the **Overview** tab displays the **Overall Status** widget.




Overall Status   SQLBI Manager (CH-SP2010-1)		
	Critical Alerts	7
	Servers	1
	Active SSAS Services	1
	Active SSRS Services	1
	Active SSIS Services	1

From the **Overall Status** widget you can perform the following actions:

- Click  to access the **Alerts** tab of SQL BI Manager.
- Click  to access the SQL BI Manager Dashboard and its **Side by Side Server**

**Performance** window.

- Click  to access the SQL BI Manager Dashboard.

✔ Click  to expand or collapse a widget. You can also view a widget in full size by clicking  or remove it by clicking .






## Customize the Overview tab

You can customize this view in the **Customize DBA Dashboard** option of the **Administration** tab. [Click here](#) to learn more.

### What actions can be performed in the Details view of the IDERA Dashboard?

In the IDERA Dashboard users can select specific metrics to display in the **Details** view tab. This tab contains product widgets of all the products registered with the IDERA Dashboard.

✔ Click  to expand or collapse a widget . You can also view a widget in full size by clicking  or remove it by clicking .



## Customize the Details view tab

You can customize this view in the **Customize DBA Dashboard** option of the **Administration** tab. [Click here](#) to learn more.

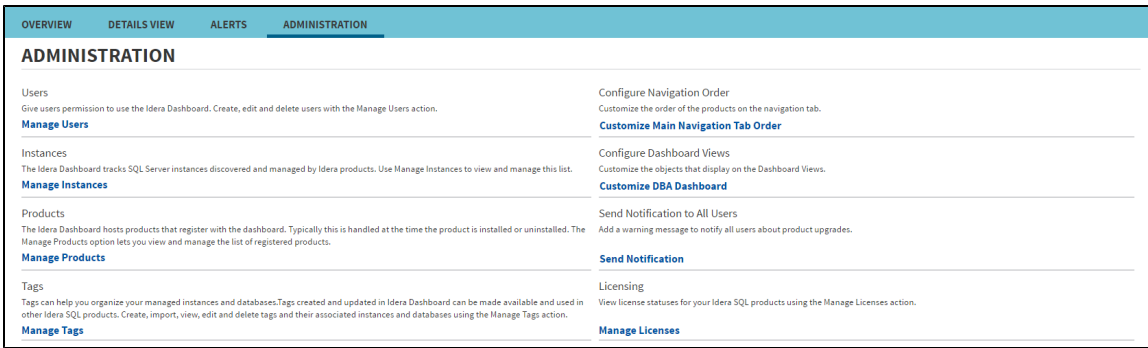
### What actions can be performed in the Alerts view of the IDERA Dashboard?

In the IDERA Dashboard users can access information on all registered products current alerts and filter them based on:

- Product
- Category
- Severity
- Metric
- Tag

### What actions can be performed in the Administration view of the IDERA Dashboard?

In the IDERA Dashboard, all products show a common **Administration** tab, granted the logged-in user has administrator privileges. Selecting this tab, displays the Administration view which hosts a range of sections for performing administration-related actions.

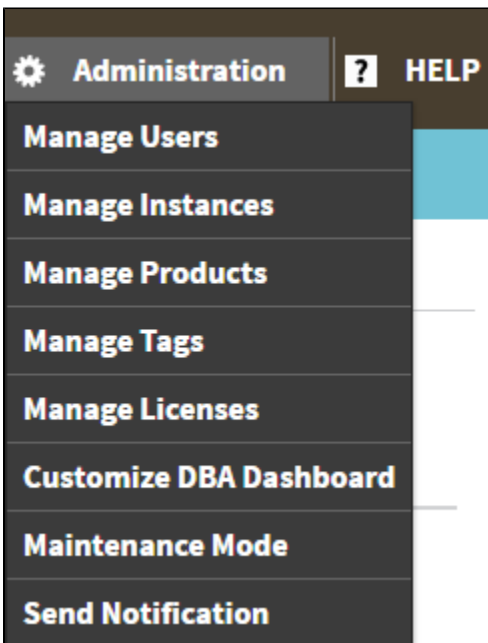


The **Administration** view of the IDERA Dashboard provides a central set of services related to specific actions such as:

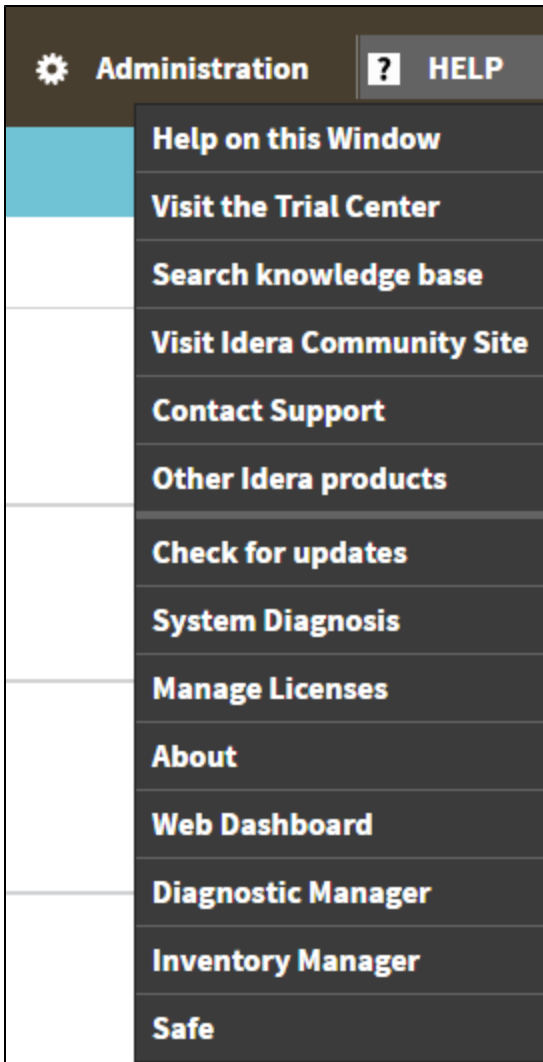
- [Managing users](#)
- [Managing Products](#)
- [Managing Instances](#)
- [Customizing Navigation Order](#)
- [Dashboard Views](#)
- [Managing Tags](#)
- [Notifications to all users](#)
- [Managing Licenses](#)

For more information on each service and what configuration settings are available, visit each respective section.

You can also access these options from the **ADMIN** drop-down on the top right corner of the UI.



Click the **HELP** drop-down on the top right corner to access a list of useful support options, tools, information, and products.



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## Managing users in the IDERA Dashboard

The **Manage Users** option allows users to grant access to other team members or groups and manage their roles. Users with administrative privileges are divided in:

- Dashboard administrators - capability to manage access to Dashboard functions as well as individual products' functions.
- Product administrators - capability to grant access to individual products for which they have administrative rights.

To add new users, edit their details (name, subscription, or email address), or remove them, select **Manage Users** in the Administration view. In the **Manage Users** window you can perform the following actions:

### Add a user / group

In the IDERA Dashboard access is granted to Windows users or groups. To add users follow these steps:

1. Click the **Add User / Group** option and the User/Group Details panel displays.
2. Type the Account name of the user you want to grant access to. You should enter a Windows user name in the following format: **<domain\user>**.
3. Enter a Display name.
4. Select User or Group in the Account Type field.
5. Select the **Do not timeout the browser session for this account** check box to stay logged in.
6. In the **Product** field, you can select to add a user to the IDERA Dashboard or SQL BI Manager.
7. In the **Role** field, you can assign a user the Dashboard Administrator or Dashboard guest role if you select the IDERA Dashboard in the **Product** field. If you select SQL BI Manager in the **Product** field, you can assign a user the Product Administrator, Product user, or Product guest role.
8. Click **SAVE**.

✔ Provide the new user with the following URL: **http://<ServerName>:9290** or **http://<localhost>:9290** to access the IDERA Dashboard.



## Edit a user/group

This option allows you to edit the account name and display name, disable the account, and add new permissions. To edit a user or group follow these steps:

1. Select one user / group from the list of users.
2. Change the necessary settings.
3. Click **SAVE**.

### Delete a user / group from the IDERA Dashboard

To remove a user or group, select the User / group from the list and click the **DELETE** button. A confirmation dialog displays; click **YES** to remove or **NO** to cancel.

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## Managing products in the IDERA Dashboard

The IDERA Dashboard hosts IDERA products that register with the Dashboard. Click the **Manage Products** option in the Administration view to open the respective window.

In the **Manage Products** window you can perform the following actions on registered products:

### Edit a Product

To edit a product, select it from the Products list. The Dashboard displays the settings for the selected product on the panel to the right. Make the necessary modifications and click **SAVE**.

**MANAGE PRODUCTS**

SEARCH: Search products by name here

Register a Product

Product	Version	Registered	Location	Credentials
IderaDashboard	3.0.1.48	May 24, 2016 01:29 ...	CH-SP2010-1	SIMPSONS\Administr...
<b>SQLBI(demo)</b>	<b>2.1.0.22</b>	<b>May 24, 2016 01:28 ...</b>	<b>http://CH-SP2010-1:9277/...</b>	<b>simpsons\administr...</b>

**Edit Product**

Product Name:

Instance Name:

Version:

Registered:

Location:

Connection User:

Connection Password:

Buttons: Cancel, Save, Delete, Migrate product

### Delete a Product

To remove a product, select it from the Products list and click **Delete** on the panel to the right. A confirmation dialog displays; click **YES** to remove or **NO** to cancel.

### Migrate Product

Allows you to migrate the registered product to a different IDERA Dashboard. Select the product from the Products list and click **Migrate product**.

MIGRATE TO DIFFERENT IDERA DASHBOARD ✕

Host :

Port :

Dashboard Administrator :

Username :

Password :

Migrate
Cancel

Fill in the requested information and click **Migrate**.

#### Register a Product

The IDERA CWF 3.0 allows you to Register a Product. Click **Register a Product** to display the configuration settings.

MANAGE PRODUCTS

SEARCH:

Register a Product

Product	Version	Registered	Location	Credentials
<input type="radio"/> IderaDashboard	3.0.1.48	May 24, 2016 01:29 ...	CH-SP2010-1	SIMPSONS\Administr...
<input type="radio"/> SQLBI(demo)	2.1.0.22	May 24, 2016 01:28 ...	http://CH-SP2010-1:9277/...	simpsons\administr...

Add a Product to Idera Dashboard

Product :

Display Name :

Unique display name helps you distinguish different instances of the same product, if you have multiple installs. We recommend display name using location or function. "DiagnosticManagerWest" or "DiagnosticManagerProd".

Host :

Port :

Product Administrator

User Name :

Password :

Cancel
Register

Type all the requested information and click **Register**.

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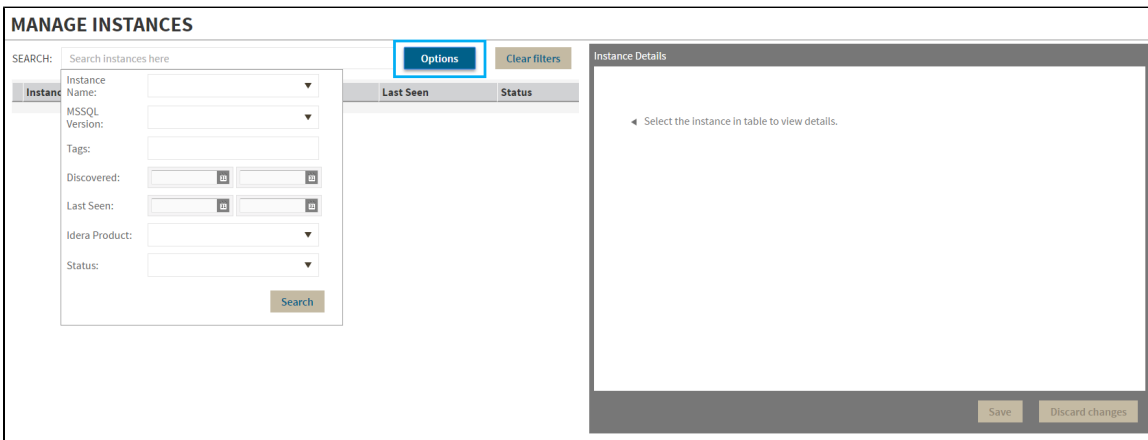


## Managing instances in the IDERA Dashboard

The IDERA Dashboard tracks SQL Server instances, discovered and managed by different IDERA products. The Instances widget of the Administration view allows users to view and manage registered instances.

**!** SQL BI Manager registers BI services only and not instances. Therefore, the **Manage Instances** view does not display the instances which BI Services monitors.

To view coverage or remove registered instances that no longer exist in your SQL Server environment, select **Manage Instances** in the Administration view, and the **Manage Instances** window displays.



Click **OPTIONS** to access the filtering options.

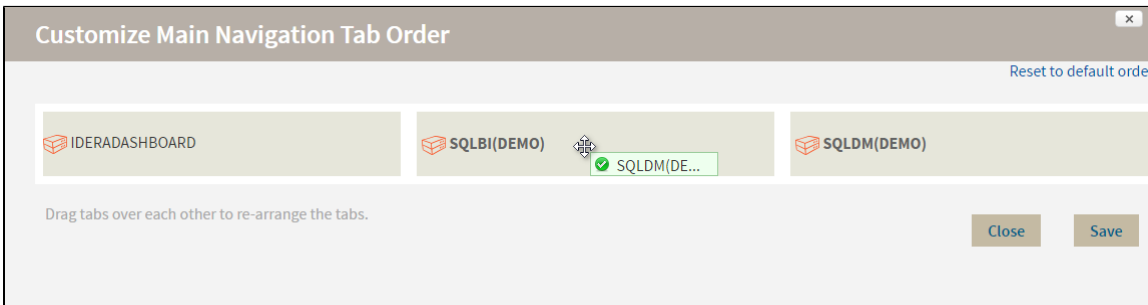
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## Configure navigation order in the IDERA Dashboard

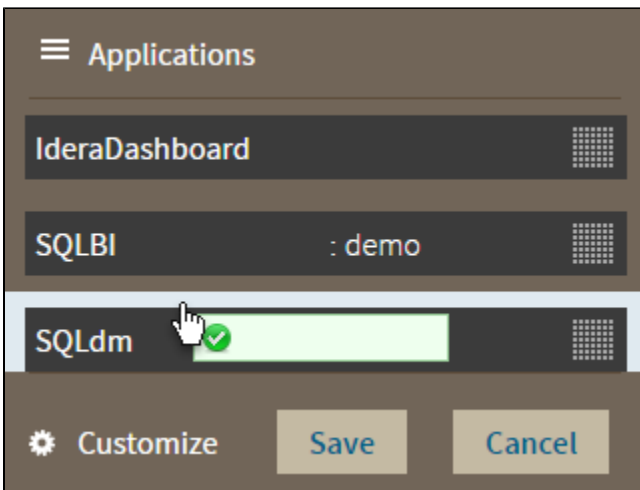
The **Configure Navigation Order** option of the Administration view allows you to modify the order in which the navigation tab displays the IDERA products.

Click the **Customize Main Navigation Tab Order** option and a dialog displays.



Drag and drop products to the desired order and click **Save**.

You can also modify the order of the products from the **Products** drop-down menu. Click **Customize** to enable the drag and drop feature. Select a product and release it in the desired position.



Click **Save** when you are done.

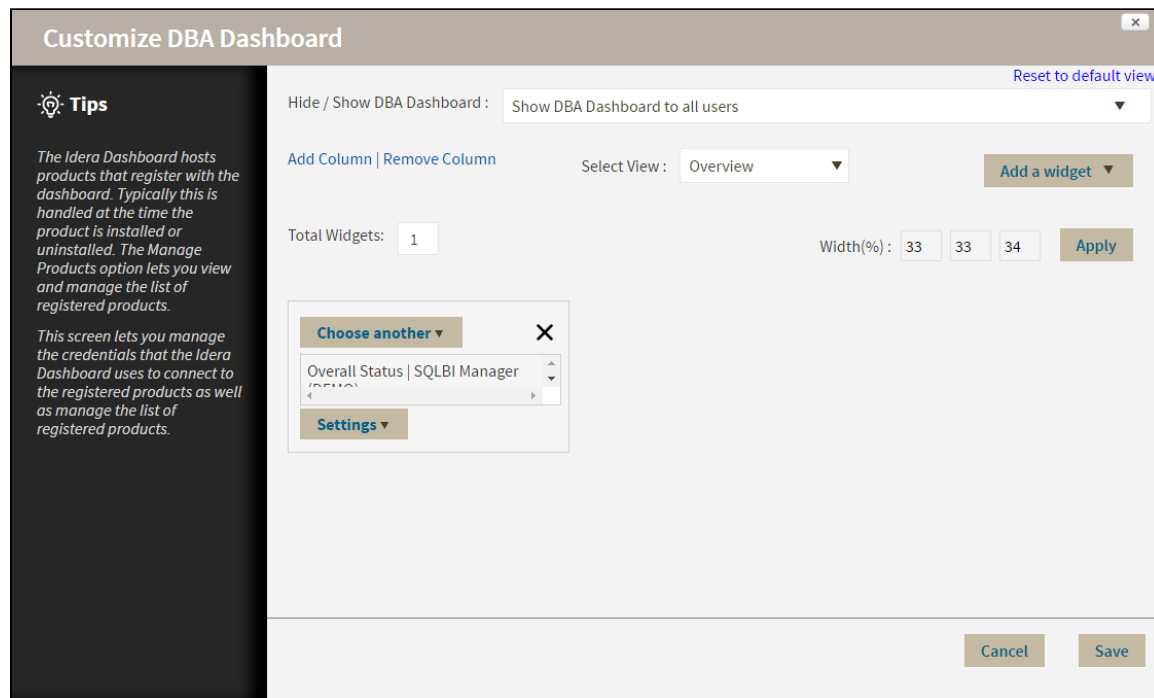
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## Configure IDERA Dashboard view

The **Configure Dashboard Views** option allows users to customize which product widgets are shown in the Overview and Details view tabs of the IDERA Dashboard.

Click the **Customize DBA Dashboard** option in the **Administration** tab to display the Customize DBA Dashboard configuration panel.

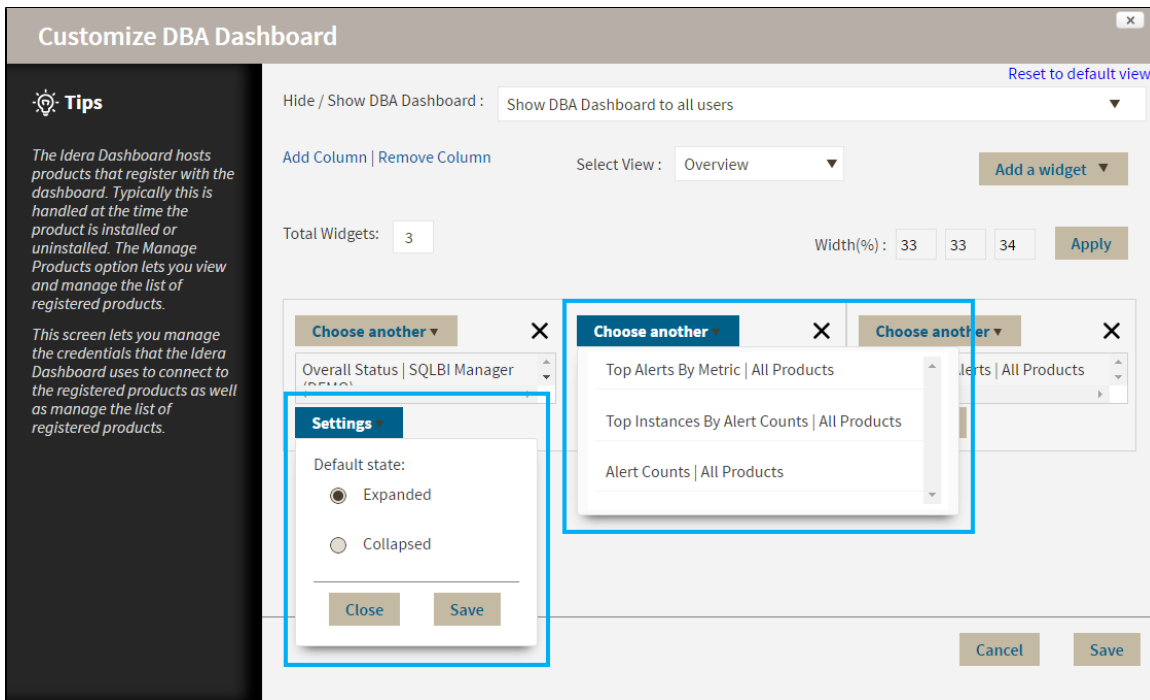


In the Customize DBA Dashboard dialog you can try the following:

- Select to hide or show the DBA Dashboard to all users or to users with permissions in two or more products.
- Select the View you want to modify (Overview or Details View).
- Add or remove columns from the selected View.
- Specify the column widths.
- Add product widgets.
- Remove widgets.
- Re-arrange widgets (drag and drop).

Additionally, you can:

- Modify specific settings for each widget, such as its default state (Expanded or Collapsed).
- Assign another widget to a previously placed widget.



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## Manage Licenses

SQL Business Intelligence Manager does not display license information in this view. You can access your SQL BI Manager license information from the **Available Licenses** option in the SQL BI Manager dashboard tab. [Click here](#) for more information.

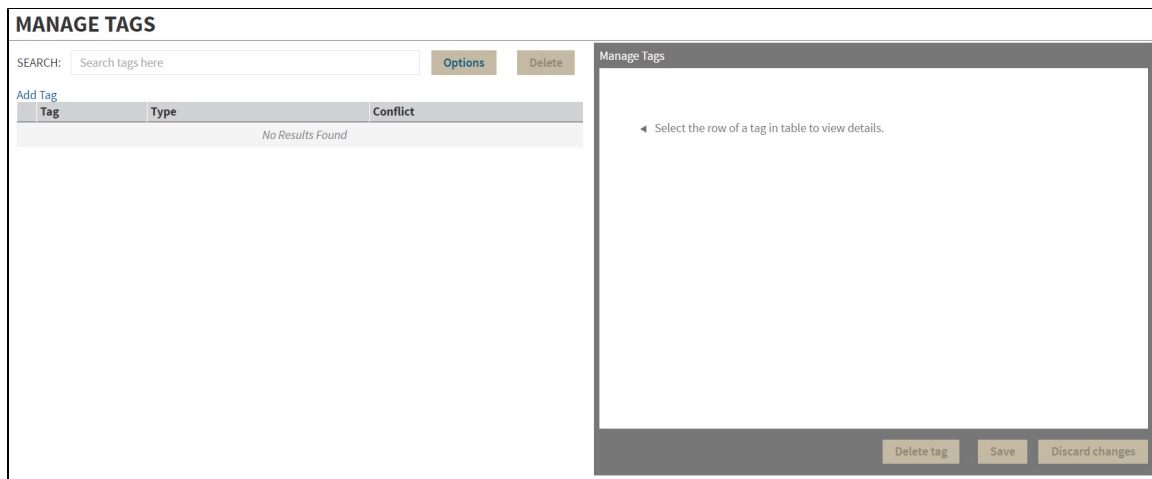
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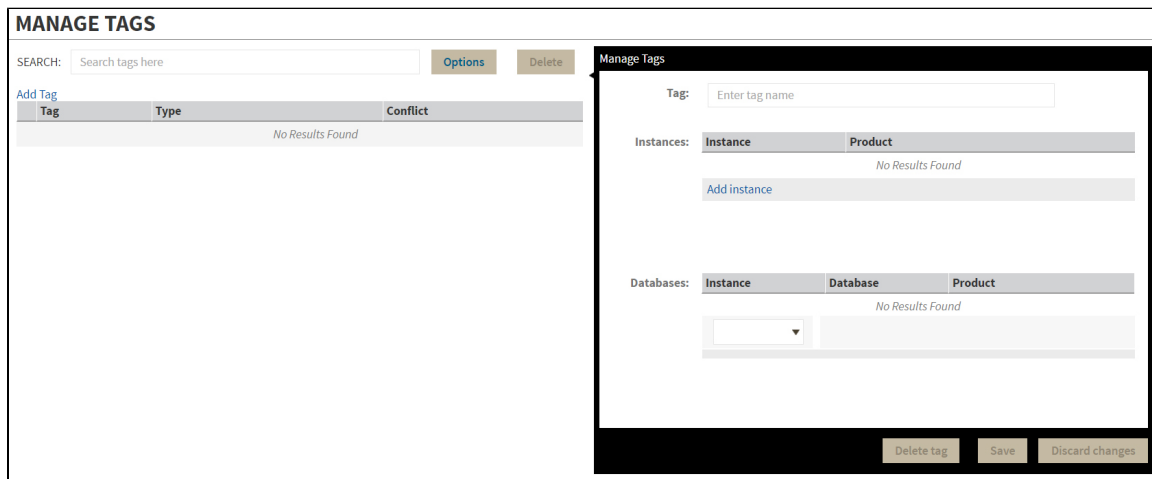
## Managing Tags

Tags can help you organize your managed instances and databases. Tags created and updated in the IDERA Dashboard can be made available and used in other IDERA SQL products. This feature allows you to import, view, edit, and delete tags and their associated instances and databases.

Click **Manage Tags** in the **Administration** tab to display the configuration window.



Click **Add Tag** to display the configuration panel to add a tag to a certain instance or database or select an existing entry from the list to edit its settings.



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## Sending notifications

The IDERA Core Web Framework 3.0 allows you to send notifications over Email to all registered users in the IDERA Dashboard.

Click **Send notification** in the **Administration** tab to open a text field to enter the message you want to send.

Click **Send** to send the notification message.

**⚠** The Notifications feature requires you to previously configure SMTP settings. Email notifications can only be sent to users with a registered Email address.

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