Auditing in BusinessObjects BI 4.x

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Agenda

★ What is Auditing?
★ Auditing vs. Monitoring
★ Configuring Auditing
★ Establishing an Auditing Universe
★ Using the sample Auditing Reports
★ Questions?
What is Auditing?

The process of recording actions performed within the system based on user requests.

User initiated actions are recorded in the following categories:

- Logon/Logoff (by user type)
- Report/Document/Dashboard viewing (success or failure)
- Report/Document Scheduling
- Custom Access Level creation, modification or deletion
- Object creation or deletion
- Object rights modification
- Publication scheduling and delivery
- Cube connections and MDAS sessions
- Lifecycle Manager events (includes rollback and version management actions)
Auditing vs. Monitoring

Auditing

Who, What, When and How!

Auditing tells us who is using the system, how they are using it, when they use it and what they do.

Auditing records actions and allows application administrators to analyze those actions to provide a more efficient and responsive application for end users.

Think BI about your BI!
Monitoring

**How and Why!**

Monitoring is a platform administration tool to show *how* the system is handling the user request and *why* it may, or may not, be performing as expected.

Monitoring uses metrics and thresholds to measure thing like memory, CPU, threads, cache usage and response times.

Monitoring helps platform administrators be pro-active in spotting bottlenecks and problems and plan for future expansion of capacity.
Configuring Auditing

Your Auditing database can be hosted on any one of the following database platforms:

- MS SQL Server
- DB2
- Oracle
- Sybase
- MySQL
- MaxDB (formerly SAP DB)
- SAP HANA
- SQL Anywhere

Note: the Auditing database does not have to be on the same database platform as the BusinessObjects Enterprise system database (repository).

Platform options may vary based on Service Pack level
Configuring Auditing

**Recommended step to configure the Auditing database**

1. Create a blank database (namespace) on the desired platform
2. Create 2 user accounts
   a) One with DBO level access to be used by the CMS
   b) One with read only access to be used by the Auditing Universe
3. Install the appropriate database driver for the platform and version prior to installation of BOBI 4.x. Use 64-bit if possible.
4. Set up any required connectivity (SQL Server requires ODBC)
5. During installation, select the appropriate driver/connectivity using the DBO account credentials
6. After installation, review the Auditing application in the CMC to finish the configuration
Configuring Auditing

Configuration using the Central Management Console

Let's take a look!
Establishing an Auditing Universe

The Bad News!

SAP BusinessObjects no longer supplies an Auditing Universe or Auditing Reports as part of the base installation of BOBI 4.x

The Good News!

A sample Auditing Universe and Auditing Reports is available for download from SAP Support Portal, but they are not supported by SAP.

http://scn.sap.com/docs/DOC-6175
Establishing an Auditing Universe

Using the Sample Universe

- Unzip the file to local folder on your workstation
- The .ZIP file contains 6 Universes in .UNX (IDT) format
  - BOEXI40-Audit-DB2.unx
  - BOEXI40-Audit-HANA.unx
  - BOEXI40-Audit-MSSQL.unx
  - BOEXI40-Audit-MySQL.unx
  - BOEXI40-Audit-Oracle.unx
  - BOEXI40-Audit-SQLAnywhere.unx
  - BOEXI40-Audit-Sybase.unx

- Make sure you select the Universe appropriate for the platform on which you installed the Auditing database.
Establishing an Auditing Universe

Using the Sample Universe and Sample Reports

- Create a new local project in IDT and import the Universe
- Create a secured connection to your Auditing database
- Change the connection on the data foundation
- Verify data foundation
  - Change table qualifications if necessary
- Redefine derived tables as necessary
- Run an Integrity Check and publish the Universe to BOBI
- Run a test query using Web Intelligence or CR for Enterprise

Let's take a look!
Using the sample Auditing Reports

Using the Sample Reports

The reports folder contains 39 Crystal Reports across 6 subject areas. Those subject areas are:

- IP Address – Logon Events
- Jobs
- Objects – Events
- Publications
- Rights
- Users

*All reports are in Crystal Reports for Enterprise 4.x format*
Using the sample Auditing Reports

**Using the Sample Reports**

- Open Crystal Reports for Enterprise 4.x
- Open the report you wish to use
  - Note: The reports are “read-only” by default when unzipped
- Set the data source location within the report
- Refresh the report data to verify functionality
- “Save As” to save the report to BOBI
- Logon to the BI Launchpad to test the report

Lets take a look!
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Questions?

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