

Quick Start Guide

Get started with a typical installation for InfoSphere Optim Workload Replay.

Product overview

InfoSphere® Optim™ Workload Replay is built on the IBM® InfoSphere Guardium® platform, and provides the ability to capture workloads, and to replay the captured workloads to analyze and compare the accuracy and execution time of the replayed SQL statements. The product includes two separate web interfaces. Use the InfoSphere Workload Replay web console to capture and replay workloads on DB2® for Linux, UNIX, and Windows databases. To capture and replay workloads on database combinations other than DB2-to-DB2, which is known as heterogeneous capture and replay, use the InfoSphere Guardium web console.

1 Step 1: Access the software and documentation



To download InfoSphere Optim Workload Replay from IBM Passport Advantage and IBM Fix Central, follow the instructions in the download document at: <http://www.ibm.com/support/docview.wss?uid=swg24035897>

This product offering includes the following components:

- InfoSphere Optim Workload Replay 2.1.0.1 fix pack.
- InfoSphere Optim Workload Replay 2.1.0.1 Quick Start Guide and Installation Guide PDFs.
- InfoSphere Optim Workload Replay 2.1 DVD
- InfoSphere Optim Workload Replay 2.1 Product Key CD
- InfoSphere Optim Workload Replay 2.1 Quick Start Guide and Installation Guide CD
- IBM InfoSphere Guardium V9.0 Product Image 64-Bit DVD
- IBM InfoSphere Guardium S-TAP Agents V9 DVD
- IBM InfoSphere Guardium V9 Product Manuals DVD
- IBM InfoSphere Guardium Virtual Machine Activation Kit V9 DVD

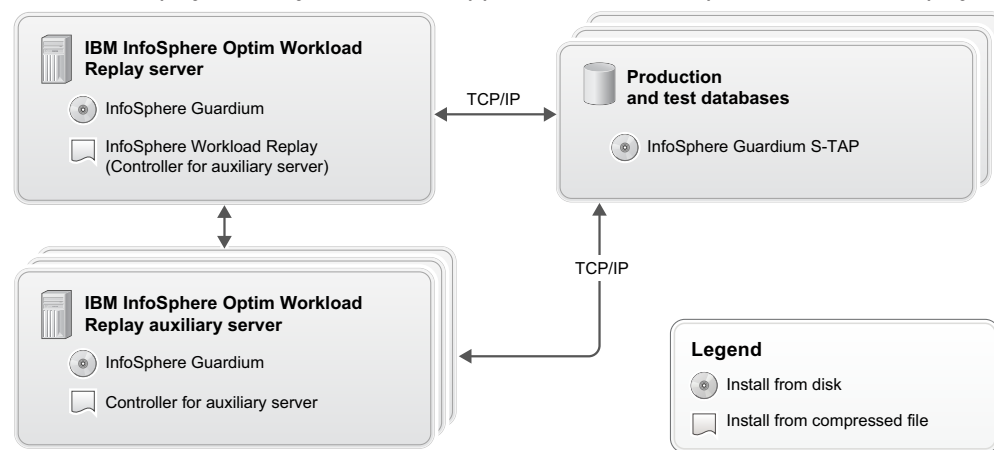
2 Step 2: Evaluate the hardware and system configuration



InfoSphere Workload Replay is an appliance solution that bundles an operating system and all necessary software. You can install the product on a physical appliance or on a VMware server such as VMware ESX. The installation program installs a Red Hat Linux Version 5.8, 64-bit operating system on your server or virtual machine, and then installs the InfoSphere Guardium software. For detailed system requirements, see the system requirements at: <http://www.ibm.com/support/docview.wss?uid=swg27039781>

3 Step 3: Review the base architecture

The InfoSphere Workload Replay software package includes the software components and a software license. To improve DB2-to-DB2 capture and replay performance, you can use a multi-server deployment with one or more InfoSphere Workload Replay auxiliary servers to support the main InfoSphere Workload Replay server.



Step 4: Overview of an InfoSphere Optim Workload Replay installation



To install the product, follow the detailed instructions in the *IBM InfoSphere Optim Workload Replay installation guide* PDF.

Tip: Review the Installation planners to get an overview of the required input for each installation step. The planners are available in the installation guide PDF or from the InfoSphere Workload Replay documentation at: http://www.ibm.com/support/knowledgecenter/SS2S7B_2.1.0/OWR_welcome.html

High-level overview of the installation process:

For a more detailed overview, see the Installation roadmap topic in the InfoSphere Optim Workload Replay documentation.

1. **On the InfoSphere Optim Workload Replay server:** Install and configure InfoSphere Guardium.
 - a. Install and configure the InfoSphere Guardium appliance and set passwords for the CLI, ADMIN, and ACCESS MANAGER users. A typical installation, including system reboots, takes a minimum of 45 minutes.
 - b. Install the InfoSphere Workload Replay license key to enable the capture and replay feature on the InfoSphere Guardium appliance.
 - c. Use the InfoSphere Guardium CLI to install required InfoSphere Guardium and InfoSphere Workload Replay patches. Depending on your environment, install the product to act as a main server or an auxiliary server.
 - d. Install the Capture and Replay - DB2-to-DB2 or Capture and Replay - Heterogeneous policy that defines the information that is included in the workloads that you capture.
2. **On each DB2 database server that you will use for capturing or replaying workloads:** Install InfoSphere Guardium S-TAP® on each database server that you will use for capturing or replaying workloads.

InfoSphere Guardium S-TAP is a lightweight software component that runs on the database server and is used by the InfoSphere Guardium appliance to collect local and network traffic to that database. A root account is required to install on Linux and UNIX systems, and an administrator account to install on Windows. To complete the InfoSphere Guardium S-TAP installation, the database server must reboot.

3. Add user IDs to the main InfoSphere Workload Replay server.

To access the InfoSphere Workload Replay web console you must first create user IDs on the InfoSphere Guardium appliance and assign each user ID one of the workload replay roles: *workload-replay-admin* or *workload-replay-user*. For more information, see Web console user access and authentication in the InfoSphere Workload Replay documentation.

4. Configure for capturing and replaying workloads on your databases.

Before you can start capturing and replaying workloads, you must add database connections for the DB2 databases on which you installed InfoSphere Guardium S-TAP. In addition, to capture workloads, replay workloads, generate reports, and perform other actions in the InfoSphere Workload Replay web console, you must authenticate with a database user ID that has the correct privileges on the database. Use the Manage Privileges page to grant capture and replay privileges to the appropriate user IDs of each database.

Step 5: Capture, replay, and create a report for a workload.



Use the product web consoles to capture workloads from one database, replay them on other databases, and compare workloads. For information, see Capturing, replaying, and creating a report for a workload in the InfoSphere Workload Replay documentation.

More information



For more information, see the following resources:

- Information roadmap at: http://www.ibm.com/developerworks/data/roadmaps/roadmap_caprep_21.html
- Troubleshooting information at: http://www.ibm.com/support/knowledgecenter/SS2S7B_2.1.0/com.ibm.datatools.capturereplay.troubleshooting.doc/topics/ts_troubleshootingforproduct.html
- Product support at: www.ibm.com/support/entry/portal/product/information_management/infosphere_optim_workload_replay