



Installing Prime Network Operations Report with Gateway High Availability

This chapter explains how to install Prime Network Operations Reports with gateway high availability. For details about how to use Operations Report and its database, see the [Cisco Prime Network 4.2 Operations Reports User Guide](#).



Note

You cannot install Operations Reports on an IPv6-only server. You can install it on an IPv4-only server or on a dual stack server (IPv4 and IPv6) but only IPv4 address can be used for communicating with the report server.

Operations Reports uses data from the Oracle database and its own Infobright database. The Infobright database is installed as part of the Operations Reports installation.

These sections includes the following details:

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- [Steps for Installing Operations Reports, page 5-2](#)
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Installation DVD

The Operations Reports high availability files are provided on the Prime Network installation DVD named **Disk 6: Prime Network Operations Reports**. That DVD contains the tar file **infobright_integ.zip**, which contains the Operations Reports installation files and the rpm's required for Operations Reports installation.

Steps for Installing Operations Reports

Table 5-1 provides the basic steps you must follow to set up Operations Reports.

Table 5-1 Steps for Installing Operations Reports

	Task	Topic/Action Required
Step 1	Collect server details, so that you have all information handy prior to installation.	<ul style="list-style-type: none"> IP address of local Infobright database service <p>Note This should be floating IP in case of local redundancy.</p> <ul style="list-style-type: none"> Full path for folders that contain data, cache, backup, and DLP files (P1)
Step 2	Depending on your setup, verify the server meets the prerequisites.	Installation Requirements for Local Redundancy, page 3-4 and Installation Requirements for Geographical Redundancy, page 4-4
Step 3	Verify the cluster is in working state.	Step 1 in Installing the Operations Reports Software, page 5-2

Installing the Operations Reports Software

To install Operations Reports and the Infobright database on the gateway:

Step 1 On the primary cluster node (P1), log in as root, and make sure the cluster is in the working state.

```

clustat
Cluster Status for nw_clus @ Sun Jan 12 18:56:08 2014
Member Status: Quorate

Member Name          ID          Status
-----
local-01             1          Online, Local, rgmanager
local-02             2          Online, rgmanager

Service Name         Owner (Last)   State
-----
service:ana          local-01       started
service:oracle_db   local-01       started

```

Step 2 Insert **Disk 6: Prime Network Operations Reports** in the DVD drive.

Step 3 Mount the inserted DVD using the **mount** command and change to the mount location.

Step 4 Locate the **infobright_integ.zip** file under the mount location and change to its parent directory.

Step 5 Extract the Operations Reports installation files:



Note Do not extract the files to a private folder such as /root.

```
unzip infobright_integ.zip -d extract-directory
```

Step 6 Change to directory where the installation files were extracted and run the installation script:

```
cd extract-directory/infobright_integ
perl primenw_integration.pl
```

Step 7 Enter the required information at the prompts.

Table 5-2 Installation Prompts for Infobright and Operations Reports

Prompt for...	Notes
Database Installation Prompts	
Choosing database profiles	Select from 1-7 based on the actionable events per second.
Archive history size	Set a value in days (180 days by default).
Backup history size	
Infobright database server's IP address	Provide the floating IPv4 IP address for the local gateway (P1) with the Oracle database.
Full path to data directory	Set location for storing the Infobright data, cache, and backup.
Full path to cache directory	The data directory will contain the Infobright database files and cache directory that will be used for runtime queries.
Infobright database backup data location	
Enabling backup files creation	Enter yes to enable Infobright backups
Full path to Infobright Distributed Load Processor (DLP) staging area on gateway and units	Enter a location for text files generated by Operations Reports processes for archiving purposes. These files are continually shifted to the Infobright database server.

Step 8 On the primary cluster node (P1), log in as root, and run `clustat` again to verify that the **ifb** service was created and is running.

```

clustat
Cluster Status for nw_clus @ Sun Jan 12 18:56:08 2014
Member Status: Quorate

Member Name          ID          Status
-----
local-01             1           Online, Local, rgmanager
local-02             2           Online, rgmanager

Service Name         Owner (Last)   State
-----
service:ana          local-01       started
service:oracle_db   local-01       started
service:ifb          local-01       started

```

Step 9 Restart the gateway and unit to complete the installation (enter **yes**).

Step 10 Launch Operations Reports using this URL (in this example, *gateway-IP* would be the IP address for local-01).

<https://gateway-IP:8445/prime-network-reports/Login>

Verifying the Operations Reports Setup

Table 5-3 shows the Operations Reports verification tests.

Table 5-3 Operations Report Verification Tests

Description	Procedure	Expected Results
<p>Name: Checking AVM 45.</p> <p>Purpose: Verify that AVM 45 has loaded and is running on the primary server.</p>	<p>From the primary server, enter networkctl and check the output for a line similar to the following:</p> <pre>- Checking for AVM45's status [OK 0/xx]</pre>	<p>AVM 45 should be running on the primary server.</p>
<p>Name: Checking Infobright backup directory.</p> <p>Purpose: Verify that Infobright is being backed up on the primary server.</p>	<p>The Infobright backup files are created on an hourly basis, and only after the file is closed it is loaded to the remote Infobright database using AVM45.</p> <p>To check whether the files are being backed up, verify the files are reaching the backup directory. The infobright backup directory is specified in the persistency.xml file.</p> <pre>runRegTool.sh localhost get persistency/nodes/infobright/ibbackup</pre>	<p>Backup directory should exist on the primary server and contain at least one backup file (files are backed up every hour).</p>