



Upgrading Insight

OnCommand Insight

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Upgrading Insight

When a new version of OnCommand Insight is available, you might want to upgrade to take advantage of new features and fixes to issues. You must upgrade the Insight server and Data Warehouse (DWH) separately.



You should not store any automatic or manual backups in Insight installation directories, because the entire installation folder is overwritten during the upgrade process. If you have stored backup files in any of those directories, you must move your backups to a different location before you perform any upgrade or uninstall process.

Newer versions of Insight have greater disk space, memory and CPU requirements. Before upgrading to the latest version of Insight, review the Installation requirements. It is strongly recommended to contact your Sales Engineer for detailed sizing guidance before installing or upgrading Insight.

It is Best Practice to perform a security backup and a database backup before upgrading Insight software.

Upgrading Insight to version 7.3.12 or later - Linux

Prior to upgrading from OnCommand Insight 7.3.10 - 7.3.11 to version 7.3.12 or later, you must run the OCI Data Migration Tool.

Background

OnCommand Insight versions 7.3.12 and later utilize underlying software that may be incompatible with previous versions. Insight versions 7.3.12 and later include a **Data Migration Tool** to assist with upgrading.



OnCommand Insight versions 7.3.9 and earlier are no longer supported. If you are running one of these versions, you *must* upgrade to Insight version 7.3.10 or later (7.3.11 is strongly recommended) prior to upgrading to 7.3.12 or later.

What Does The Data Migration Tool Do?

The migration tool performs an initial compatibility check and then follows one of three different upgrade paths. The path selected is based on the data compatibility of your current version.



Prior to upgrading, you must run the Data Migration Tool and follow the recommended steps.

Before you Begin

- It is strongly recommended to back up your OnCommand Insight system prior to running the Data Migration Tool.
- The Elasticsearch service on the server needs to be up and running.
- The Data Migration Tool *must* be run for the database and any performance archives before you upgrade Insight.

Running the Data Migration Tool

1. Download the latest version of the Data Migration Tool (for example, *SANSscreenDataMigrationTool-x86-7.3.12-97.zip*) to your Insight server, as well as the appropriate Insight installer file. Unzip into a working folder. Downloads can be found on the [NetApp Support Site](#).
2. Open a command window and navigate to your working folder.
 - Bash shell is recommended.
3. Run the data migration tool using the following command:
 - `sudo ./SANSscreenDataMigrationTool.sh`
4. Follow the instructions as needed. The following is an example.

```
sudo ./SANSscreenDataMigrationTool.sh

NetApp SANSscreen Data Migration Tool 7.3.12-132

OCI 7.3.10.8.139 is installed
Elasticsearch REST port = 9200

Checking Elasticsearch service...
Elasticsearch service is up

Checking for obsolete (version 5) indexes...
Found 54 obsolete indexes. Of these,
    54 indexes may be migrated with OCI server running,
        the most recent of which is for 2021-05-13

Verifying migration component is present...
SANSscreen Server service is Running

Proceed with online migration of 54 indexes (y or [n])?:
```

The Data Migration Tool will check for the presence of obsolete indexes on your system and report if any are found. If none are present the tool will exit.

Some indexes may be migrated while the SANSscreen Server service is running. Others may only be migrated when the server is stopped. If there are no indexes that may be migrated the tool will exit. Otherwise follow the instructions as prompted.

After the Data Migration Tool completes it will recheck for obsolete indexes. If all indexes have been migrated, the tool will inform you that upgrade to OnCommand Insight 7.3.12 is supported. You can now proceed with upgrading Insight.

```
sudo ./SanscreenDataMigrationTool.sh

NetApp SANScreen Data Migration Tool 7.3.12-132

OCI 7.3.10.8.139 is installed
Elasticsearch REST port = 9200

Checking for obsolete (version 5) indexes...
Found 76 obsolete OCI indexes. Of these,
76 indexes may be migrated with OCI server running

SANscreen Server service is running

Proceed with online migration of 76 indexes (y or [n])? y
If you supply performance archive location, entries for any dates with
migrated
indexes will be replaced. Each original entry will be renamed and you may
delete
it after migration is completed.
When prompted enter the archive location including the site-name
directory.

Enter the location of the performance archive or blank if none:
Performance archive entries will not be updated

Running the migration application with options -u http://localhost:9200
--online -sa -

Preparing to migrate oci-timeseries-disk-2021-03-22: copied; backup;
delete old; restore new; cleanup; done.
Preparing to migrate oci-timeseries-internalvolume-2021-03-22: copied;
backup; delete old; restore new; cleanup; done.
Preparing to migrate oci-timeseries-port-2021-03-22: copied; backup;
delete old; restore new; cleanup; done.
...
Preparing to migrate oci-timeseries-disk-2021-03-27: copied; backup;
delete old; restore new; cleanup; done.
Execution time 0:08:17
Checking for obsolete (version 5) indexes...

No obsolete indexes found. Upgrade and Inline Upgrade to 7.3.12+ are
supported
```

If you were prompted to stop the SANScreen service, restart it before upgrading Insight.

Validation failures

In the event that index validation fails, the migration tool will inform you of the problem before quitting.

OnCommand Insight is not present:

```
./SanscreenDataMigrationTool.sh

NetApp SANScreen Data Migration Tool v1.0

Checking OnCommand Insight Installation...
ERROR: OnCommand Insight is not installed
```

Invalid Insight version:

```
./SanscreenDataMigrationTool.sh

NetApp SANScreen Data Migration Tool 7.3.12-105

Checking OnCommand Insight Installation...
OnCommand Insight 7.3.4 (126) is installed
ERROR: The OCI Data Migration Tool is intended to be run against OCI 7.3.5
- 7.3.11
```

Elasticsearch service is not running:

```
./SanscreenDataMigrationTool.sh
NetApp SANScreen Data Migration Tool 7.3.12-105

Checking OnCommand Insight Installation...
OnCommand Insight 7.3.11 (126) is installed

Getting installation parameters...
Elasticsearch Rest Port: 9200

Checking Elasticsearch service...
ERROR: The Elasticsearch service is not running

Please start the service and wait for initialization to complete
Then rerun OCI Data Migration Tool
```

Command-line options

The Data Migration Tool includes some optional parameters that affect its operation.

Option (Linux)	Function
-s --silent	Suppress all prompts
-a --archive	<p>If specified, existing archive entries for any date whose index(es) are migrated will be replaced. The path should point to the directory containing the archive entry zip files.</p> <p>An argument of '-' may be specified to indicate there is no performance archive to be updated.</p> <p>If this argument is present, the prompt for the archive location will be suppressed.</p>
-c --check	If present, the script will exit immediately after reporting the index counts.
-d --dryrun	If present, then the migration executable will report the actions that would be taken (to migrate data and update archive entries) but will not perform the operations.
-p --port	<p>If present, use the supplied value as Elasticsearch's REST port. If absent, obtain the value from the installation if possible; otherwise use the default value of 9200.</p> <p> In some Linux OnCommand Insight installations, the Elasticsearch REST port might not be running on the default 9200 port. in this case use the --port option to supply the value</p>
-h --help	Display usage information

Troubleshooting

If archive entries were updated, you *must* make sure that the ownership and permissions on the updated archives are correct. They should be **ocisys ocisys 644**. If they are not, navigate into the performance archive folder and run the following commands:

```
chown ocisys *
chgrp ocisys *
chmod 644 *
```

Upgrading Insight Server software

You can check for OnCommand Insight server updates after you log into the server.



It is strongly recommended to back up the vault and the database prior to upgrading OnCommand Insight.

See the [SecurityAdmin Tool](#) instructions for more information about the vault.

Steps

1. On the Insight toolbar, click the **Help** icon.
2. Select **Check for updates**.
3. Click **OK** if the Version is up to date message displays.
4. If a newer version is detected, click the **download here** link in the message box.
5. In the **Download** page, click **download**. Note the download directory location.

You can also download the newer version from the NetApp support site.

6. Log in to the Insight server using an account with sudo privileges.
7. Navigate to the download directory and type the following command:

```
unzip oci-<version>-linux-x86_64.zip
```

Ensure that you have the correct the version number of the installation file.

8. You can view syntax, command arguments, and parameter usage for `oci-install.sh`:

```
sudo ./oci-<version>-linux-x86_64/oci-install.sh --help
```

9. Run the installation script:

```
sudo ./oci-<version>-linux-x86_64/oci-install.sh
```

10. Accept the License Agreement and follow the prompts.

Upgrading Data Warehouse software

After upgrading the Insight server software, you must upgrade your data warehouse software.

About this task



It is strongly recommended to back up the vault and the database prior to upgrading DWH.

See the [SecurityAdmin Tool](#) instructions for more information about the vault.

Steps

1. Log in to the Data Warehouse (DWH) server using an account with sudo privileges.
2. Download the Insight DWH software from the NetApp support site.
3. Navigate to the download directory and type the following command:

```
unzip oci-dwh-<version>-linux-x86_64.zip
```

Ensure that you have the correct the version number of the installation file.

4. You can view syntax, command arguments, and parameter usage for `oci-install.sh`:

```
sudo ./oci-dwh-<version>-linux-x86_64/oci-install.sh --help
```

5. Run the installation script:

```
sudo ./oci-dwh-<version>-linux-x86_64/oci-install.sh
```

6. Accept the License Agreement and follow the prompts.

Upgrading Remote Acquisition Unit software

After upgrading the Insight server software, you must upgrade your remote acquisition software.

 It is strongly recommended to back up the vault and the database prior to upgrading DWH.

See the [SecurityAdmin Tool](#) instructions for more information about the vault.

Steps

1. Log in to the Remote Acquisition Unit (RAU) server using an account with sudo privileges.
2. Download the Insight RAU software from the NetApp support site.
3. Navigate to the download directory and type the following command:

```
unzip oci-rau-<version>-linux-x86_64.zip
```

Ensure that you have the correct the version number of the installation file.

4. You can view syntax, command arguments, and parameter usage for `oci-install.sh`:

```
sudo ./oci-rau-<version>-linux-x86_64/oci-install.sh --help
```

5. Run the installation script:

```
sudo ./oci-rau-<version>-linux-x86_64/oci-install.sh
```

6. Accept the License Agreement and follow the prompts.

Migrating from Windows to Linux

To use Insight on Linux when you have an existing Windows installation, you must perform a migration. You must perform this procedure on both the Insight server and Data Warehouse components.

Steps

1. Back up your current Insight installation on your server.

Refer to the *OnCommand Insight Configuration and Administration Guide* for information about how to back up the OCI database.

2. Install Insight for Linux.
3. Restore the database for your previous version.

Refer to the *OnCommand Insight Configuration and Administration Guide* for information about how to restore the OCI database.

4. Uninstall your previous version of Insight for Windows.

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