

# Migrating from the 32-bit Helix ALM Server to the 64-bit Server on the Same Computer

This article explains how to migrate data from the 32-bit Helix ALM Server to the 64-bit server for the same Helix ALM version on the same computer. If you need to move the server installation to a different computer, see [Moving the Server Between Computers](#).

**Note:** If you need to upgrade Helix ALM, we recommend upgrading all 32-bit client and server components first to make sure the upgrade is successful before migrating to the 64-bit server. See the [installation help](#) for information about upgrading Helix ALM.

## Migrating to the 64-bit server

1. Make sure the computer you are installing the 64-bit Helix ALM Server on meets the minimum [system requirements](#).
  2. Stop the server if it is running.
  3. [Back up the server database and projects](#).
  4. If you use SQL Server, [create unique 64-bit ODBC DSNs](#) to replace the 32-bit DSNs configured for Helix ALM databases.
  5. If you are also migrating to the 64-bit Helix ALM License Server, see [Migrating from the 32-bit License Server to the 64-bit License Server on the Same Computer](#) before installing the 64-bit license server.
  6. [Install the 64-bit server](#).
  7. If you use Oracle, [install the 64-bit Oracle OCI Client](#).
  8. [Configure projects](#).
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## Installing the 64-bit server

**Note:** In Helix ALM (and TestTrack 2015.1 - 2016.1), the 32-bit and 64-bit server components are bundled in the same installer. Run the installer you used to install the 32-bit components again and select to install 64-bit applications. For TestTrack 2015.0.2 and earlier, 32-bit and 64-bit server components are in separate installers.

## Windows

1. Run the Helix ALM installer and select the components to install.

Make sure to install the 64-bit server components in a different directory than the 32-bit components.

**Note:** Select 'Do not start the Helix ALM Server' and 'Do not start the Helix ALM License Server' when prompted so you can move your existing data before starting the 64-bit server.

2. Copy the TTService directory, including all project subdirectories and files, from the 32-bit Helix ALM application directory to the 64-bit directory.

By default, the 32-bit application directory is C:\Program Files (x86)\Perforce\Helix ALM and the 64-bit directory is C:\Program Files\Perforce\Helix ALM. If you use Oracle, PostgreSQL, or SQL Server databases, the server and project database locations depends on the RDBMS database type and configuration.

## Linux

1. Run the Helix ALM installer and select the components to install.

The 32-bit and 64-bit servers are installed in the same directory. The default application directory is /var/lib/HelixALM.

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## Installing the 64-bit Oracle OCI Client

If you use Oracle, [download and install the 64-bit Oracle OCI Client](#). The required Oracle libraries must be installed in the 64-bit Helix ALM application directory.

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## Configuring projects

1. Start the [Helix ALM License Server](#) and [Helix ALM Server](#).
2. [Start the Helix ALM Server Admin Utility](#).
3. [Check the server database location in the server options](#) to make sure the correct database is used.

If you use an Oracle, PostgreSQL, or SQL Server database, you may need to [change the database configuration](#).

4. If you use SQL Server, [add connections for the DSNs you created for projects](#).
5. [Make sure all projects you use are added and loaded](#).

If projects do not load, you may need to [upgrade them to the current version](#).

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