

Download and install the latest patch set

Oracle Automatic Storage Management (ASM) was installed as part of the Oracle Database installation. With Oracle Database 11g Release 2 (11.2), Automatic Storage Management is part of an Oracle grid infrastructure installation, either for a cluster, or for a standalone server.

If you want to upgrade an existing Automatic Storage Management installation, then you must upgrade Automatic Storage Management by running an Oracle grid infrastructure upgrade. If you do not have Automatic Storage Management installed and you want to use Automatic Storage Management as your storage option, then you must complete an Oracle grid infrastructure installation before you start your Oracle Database installation.

The Oracle Grid Infrastructure Installation Guide 11gRelease2 (11.2) for Linux is at:

<https://docs.oracle.com/database/apex-5.1/HTMIG/downloading-andinstalling-patches.htm#HTMIG29428>

1. **Access Oracle Support:** Ensure that you have access to Oracle Support, as you may need a valid Oracle Support account to download patches.
2. **Identify the Patch:** Determine the specific patch you need. This typically involves identifying the Oracle APEX version and the specific patch set or patch number you want to install.
3. **Download the Patch:** Go to the Oracle Support website or My Oracle Support (MOS) and search for the patch you identified in step 2. Download the patch file to your local machine.
4. **Transfer to Server (if needed):** If your Oracle APEX installation is on a remote server, transfer the patch file to the server using secure methods like SCP or SFTP.
5. **Backup Your Environment:** Before applying any patches, it's essential to back up your Oracle APEX environment, including the database, APEX workspace, and configuration files. This ensures that you can revert to a working state in case of issues.
6. **Apply the Patch:** Follow the specific instructions provided in the patch documentation. This often involves running scripts or using utilities to apply the patch. The process may also vary depending on the type of patch (e.g., PSU, CPU, or APEX-specific patch).
7. **Verify the Patch:** After applying the patch, thoroughly test your Oracle APEX application to ensure that it functions as expected. Check for any issues or errors that may have been introduced by the patch.
8. **Documentation and Release Notes:** Be sure to consult the patch's release notes and documentation for any additional information or post-installation steps that may be required.
9. **Commit Changes:** If everything is working correctly after applying the patch, commit the changes to your production environment.