Upgrading to a Cloned Environment

If you are upgrading from Avalanche 5.3 to 6.0 or newer, we recommend creating a clone of your existing Avalanche installation, upgrading it to the latest version of Avalanche, and then redirecting all devices to the new server. This process ensures your data and working environment are still accessible for use throughout the upgrade.

Consider this method of upgrading if one or both of the following conditions apply:

- If you plan to install the Enterprise Server and Mobile Device Server at one location

- If your existing PostgreSQL database is local to the Enterprise Server

For a video tutorial of the upgrade process, watch this video on YouTube:

▶ **Upgrading from Avalanche 5.3 to 6.2**

ⓘ If you use LDAP user accounts in Avalanche 5.3, before you begin the upgrade process, ensure that you know the password for the amcadmin account. LDAP user accounts will not be migrated and will be created as new accounts with no permissions the first time they log in to Avalanche 6.2+. To recover the amcadmin password, contact Ivanti Support.

To upgrade Avalanche using a cloned environment

1. Create a backup of your current Avalanche databases and software packages. For more information, see Backing Up and Restoring Avalanche.

2. (Optional) Identify and record scheduled tasks in Avalanche, if you want to reschedule them after the upgrade process.

3. Install Avalanche 5.3.1 on the new system. If you are running a version of Avalanche that is earlier than Avalanche SE 5.3.1, you must also upgrade your existing system to Avalanche 5.3.1. To obtain the install files, contact Ivanti Support.

4. On the new system, install Microsoft SQL Server. For instructions on setting up SQL Server, see Configuring Microsoft SQL Server.

ⓘ When upgrading from Avalanche 5.3 and Microsoft SQL Server is not local to the Enterprise Server, the following tools must also be manually installed:

Microsoft SQL Server 2012 Native Client
Microsoft ODBC Driver 11 for SQL Server
Microsoft Command Line Utilities 11 for SQL Server

5. Configure the server with your existing databases to allow remote access. For more information, see Allowing Remote Access to the Database.

6. Run the Avalanche installer. For more information, see [Running the Avalanche Installer](#).

7. Merge the software packages backup with the `avapackages` folder located at `C:\Program Files\Wavelink\Avalanche`.

8. If you have installed mobile device servers separately from the Enterprise Server, upgrade mobile device servers. For more information, see [Upgrading Device Servers](#)

9. Obtain SSL certificates and FCM/ APNS credentials to connect smart devices. For information on obtaining SSL certificates, see [Obtaining SSL Certificates](#). For more information about connecting devices, see [Connecting Devices to the Avalanche Server](#).

10. Smart devices must be using 6.2+ enablers to use the Central File Store and receive new or migrated file payloads. Download enablers from the [download site](#) and install them on your smart devices. Software payloads can be used to distribute enablers to devices. AIDC devices will still use 5.3 enablers.

11. (Optional) If you want devices to connect to a different device server, use a network profile or smart device profile with the new server address to redirect devices.