MIGRATING TO AVALANCHE 5.3 WITH EXTERNAL DATABASES

This document provides instructions for migrating to Avalanche 5.3 from an installation of Avalanche MC 5.0 or newer using external databases. If you have an earlier version of Avalanche with external databases, you must migrate to Avalanche 5.0 before you can migrate to Avalanche 5.3.

OVERVIEW

The following table provides information about which migrations are allowed with Avalanche 5.3:

Current version:	can migrate to:
Avalanche SE 4.7 or newer	Avalanche SE 5.3
Avalanche SE 5.3	Avalanche MC 5.3 with internal PostgreSQL databases*
Avalanche MC 4.6 or newer with PostgreSQL databases	Avalanche MC 5.3 with internal PostgreSQL databases
Avalanche MC 4.6 or 4.8 with MS SQL Server 2005 databases	Avalanche MC 5.0 with MS SQL Server 2005 databases -OR- Avalanche MC 5.0 with MS SQL Server 2008 databases
Avalanche MC 5.0 or newer with MS SQL Server 2008 databases	Avalanche MC 5.3 with MS SQL Server 2008 databases

* If you want to migrate to Avalanche MC 5.3 from an old version of Avalanche SE, you must migrate to Avalanche SE 5.3 first.

NOTE: If you are using either Avalanche SE or Avalanche MC with internal databases, please refer to *Migrating From Avalanche 4.6+ to Avalanche 5.3* for migration instructions. If you are using Oracle or external PostgreSQL databases, please contact Wavelink Customer Support for information on migration.

If you are using a version older than Avalanche 5.0 with external databases, you must migrate to 5.0 before you can migrate to 5.3.

The installer for Avalanche 5.3 removes the previous version of Avalanche and migrates your database and profiles to the new version. The database, profiles, and software packages are automatically backed up before the previous version of Avalanche is uninstalled. Scheduled events and completed reports (in PDF, XML, or CSV format) are not migrated. Device statistics, mobile device details, and some report definitions are not retained (the migration.log displays a list of reports not migrated).

This document provides the following information:

• Before You Begin

• Migrating to Avalanche 5.3

BEFORE YOU BEGIN

You must have the following tasks completed before you can migrate to Avalanche 5.3 with an Microsoft SQL Server database:

- Install Microsoft SQL Server.

- Create the Avalanche databases. The databases must be named `avalanche53` and `avastats53`.

- Create the login role for the databases.

- If you are installing Avalanche in a different location than the database server, you must configure the server to allow remote access.

- Install the Microsoft SQL Server Native Client and SQL Server Command Line Query Tool for your edition of SQL Server on the machine where you will be installing Avalanche. Use the Client and Query Tool specific to your edition. If you are using SQL Server 2005, this will be the Microsoft SQL Server Native Client (`sqlncli.msi`) and the SQL Server Command Line Query Tool (`SQLServer2005_SQLCMD.msi`). If you are using SQL Server 2008, this will be the Microsoft SQL Server 2008 Native Client (`sqlncli.msi`) and the Microsoft SQL Server 2008 Command Line Utilities (`SqlCmdLnUtils.msi`).

NOTE: When you install the utilities for SQL Server 2008, you must add the path to the sqlcmd.exe file to your system PATH variable.

- If there is a Guest account on the computer where you plan to install, it should be disabled before installing Avalanche.

- Ensure there are no active connections to the database.

MIGRATING TO AVALANCHE 5.3

You can install Avalanche 5.3 without manually uninstalling previous versions of Avalanche. The 5.3 installer uninstalls any previous versions of Avalanche that it discovers, reformats the information in your database, and installs 5.3.

The database tables in Avalanche 5.3 have been consolidated, so the migration process may take longer than a regular installation. The more information you have stored in your database, the longer it will take the installer to reformat it.

NOTE: Once you have begun the migration, Wavelink strongly recommends that you not cancel or interrupt the migration process.

To migrate to Avalanche 5.3:

1. Back up your current version of Avalanche.

2. Obtain the Avalanche 5.3 external database installation file from the Wavelink Sales team and save it to the computer where Avalanche is installed.

3. Close other applications running on the computer.

4. Double-click the file to start the installation process.

    An *Upgrade* dialog box appears indicating that there is a previous version of Avalanche installed on your system and asks if you want to upgrade.

5. Click **Yes**.

    A *Wavelink Avalanche 5.3* dialog box appears.

6. Click **Next** to continue the installation process.

    The *License Agreement* screen appears.

7. Click **Yes** to agree with the terms of the License Agreement.

    The *Migrating an SQL Server Database* screen appears.

8. Type the **Hostname** and **Port** for the database that you have been using and click **Next.**

9. Type the **Username** and **Password** for the database and click **Next**.

    The installer verifies the credentials for the database.

10. A *Continue Using the same SQL Server Credentials?* dialog box appears asking if you want to use the same credentials for the Avalanche 5.3 databases.

    •   If you are using the same version of MS SQL Server and the same host, click **Yes**. The *Installation Options* screen appears. Go to step 13.

    •   If you have created the new databases on a different host, click **No**.

11. Type the **Hostname** and **Port** for the new database in the text boxes and click **Next**.

12. Type the **Username** and **Password** for the new databases and click **Next**.

    The *Installation Options* screen appears.

13. Select which installation type you want to install and then click **Next**.

    •   **Custom**. Allows you to choose which components to install. If you choose **Custom** and click **Next**, you will be prompted to select the desired components.

    •   **Enterprise**. Installs full support for distributed mobile device and infrastructure servers, the enterprise server, the statistics server, and the databases.

    The *Choose Destination Location* screen appears.

14. Click **Next** to accept the default installation folder, or click **Browse** to navigate to a folder of your choice. After you select an installation folder, click **Next** to continue the installation process.

NOTE: Do not change the installation folder.

The database backup and removal of the previous version of Avalanche begins. The size of your database affects how long this takes. Do not cancel or interrupt the migration process. If the migration is

interrupted, you may need to call Wavelink Customer Support.

When the older version of Avalanche is uninstalled, Avalanche 5.3 begins to install. The *Setup Status* screen appears.

The `migration.log` file appears just before the installation is completed. This file provides you with a log of the migration process and a list of the components that were migrated.

15. When the installation is complete, you will be prompted to view "How to Install a Secure Certificate." This document will help you understand using https for securing your connection when using the Web Console. Click **Finish** to close the installer.

NOTE: Information on creating and using certificates is also available in the Avalanche User Guide.

---

16. Open the Avalanche Console and perform a Universal Deployment to re-establish communications with your distributed servers.

Any deployed Mobile Device or Infrastructure Servers will remain active, but as the previous version. To upgrade the servers to the new version, you will need to create and deploy new server packages. When you create Infrastructure Servers, you must create the full deployment package, not the lightweight version.

Once you install Avalanche 5.3, you may need to obtain new licensing based on your Mobile Device and Infrastructure licenses. Contact Wavelink Customer Service for more information.