

AVALANCHE MC

QUICK START GUIDE

This Quick Start Guide is a brief overview of the Avalanche Mobility Center (Avalanche MC) installation and initial configuration process. For further information on performing any of these tasks, refer to the Avalanche User Guide or Avalanche integrated help.

This guide covers the following tasks:

- Performing Basic Setup
- Creating Regions and Server Locations
- Configuring Profiles and Deploying Servers
- Managing Devices

PERFORMING BASIC SETUP

This section provides required and optional tasks for installation, license activation, and basic program setup.

Install Avalanche

A standard installation includes the Java and Web Consoles, the enterprise, statistics and license servers, and the built-in database. Double-click the installation file and follow the prompts to install. Infrastructure and Mobile Device distributed servers can be deployed from Avalanche once it is installed.

NOTE: If you want to use a database management system other than the included PostgreSQL, you need the external database installation file.

Enable a Secure Connection for the Web Console (optional)

Use a digital certificate to secure the connection between the Enterprise Server and the Web Console. You can use a self-signed certificate or a certificate from a certificate authority.

Log In to the Java Console

Use the shortcut or the Start menu to launch the Java Console. Avalanche comes with a default login of *amcadmin* and a default password of *admin*.

Log In to the Web Console

If you have implemented a digital certificate, use the instructions included in the User Guide to connect to the Web Console. If you have not yet installed a certificate, use the following instructions:

In the address bar of your internet browser, type:

http://[address]:8080/AvalancheWeb/

where [address] is the IP address or DNS name of the machine where the enterprise server is installed. Use the default login and password to log in to the Web Console.

NOTE: Instructions for the following tasks are provided for the Java Console. To perform tasks from the Web Console, see the Avalanche Web Console User Guide or integrated help.

Activate Mobile Device and Infrastructure Licenses

You should activate licenses based on the number and type of devices you want to manage. You will need the information sent to you in the licensing e-mail to activate licenses. Click **Tools > Manage Licensing**. License management can only be performed from the Java Console.

Download and Install Related Software

The Avalanche Enabler is client software installed on mobile devices that allows Avalanche to manage them. If you have devices that do not have a pre-installed Enabler, the Enabler(s) must be downloaded and installed separately. Mobile devices must have an Enabler installed in order for Avalanche to manage them.

Wavelink has other mobile device management products available, including the Remote Control server and package, Communicator package, or an Avalanche Package Builder SDK. These optional packages may require separate licenses.

Create Users / User Groups and Assign Privileges (optional)

Click **Tools > User Management**. User management can only be performed from the Java Console.

CREATING REGIONS AND SERVER LOCATIONS

A region allows you to group Server Locations that share a set of similar characteristics such as geographic location or role within your organization's structure. Creating Server Locations allows you to set up where the distributed servers will be located.

There are two types of distributed servers: Mobile Device Servers and Infrastructure Servers. Mobile Device Servers distribute configurations and software packages to your mobile devices, and report alerts and mobile device statistics to the enterprise server. Infrastructure Servers allow you to manage your infrastructure devices, such as access points and switches, and report infrastructure device statistics to the enterprise server.

Create Regions

To create a region, right-click on **My Enterprise** and select **Create Region**. To create a nested region, right-click on the parent region and select **Create Region**.

Create Server Locations

Server Locations are the basic component of Avalanche and are where the distributed servers reside. An administrative login and a shared directory are required for each system where a distributed server will be installed. To create a Server Location, right-click on the region where you want the server location and select **Create dServer Location**.

CONFIGURING PROFILES AND DEPLOYING SERVERS

A profile allows you to manage configurations and settings centrally and then deploy those configurations to as many regions and locations as necessary. In this way, you can update or modify multiple servers and/or devices instead of manually changing settings for each one. Avalanche uses profiles to configure system alerts, network information, software and firmware distribution, registry keys, and other settings.

Configure profiles

Profiles allow you to configure servers and devices from the Console. Manage profiles from the **Profiles** tab of the Console.

Assign profiles to regions

When you assign a configured profile to a region and install the servers or perform an Update, the settings from the profiles are applied to all servers and/or devices associated with that region. To assign a profile, select the region (or location) to which you want it assigned in the Navigation Window, then select the **Region Properties** (or **dServer Location Properties**) tab and click **Add**.

Install Servers

A server package will install the server(s) and apply profile configurations to the devices at the server location. Create a server package by clicking **Tools > Deployment Packages**. After you have created the package, use the Task Scheduler to deploy it. To access the Task Scheduler, click **Tools > Task Schedule**.

Perform Updates

After you make changes from the Avalanche Console, deploy the settings to the selected regions and server locations. You can do this by clicking **Tools > Deploy Now** or by creating a scheduled deployment with the Task Scheduler.

MANAGING DEVICES

Connect to Mobile Devices

You must provide the Enabler with the address of the Mobile Device Server in order for it to establish a connection. You can provide the address in three ways:

- Configure it with the configuration utility at the time of Enabler installation.
- Configure it from a device with an Enabler installed by launching the Enabler and clicking **File > Settings**.

- Configure it in a network profile, print the configuration as a barcode (using a Scan to Config profile), and scan the barcode with your device(s).

The Enabler will try to connect to the Mobile Device Server as soon as it is launched. You can also prompt the Enabler to connect by clicking **File > Connect**.

Once the mobile device connects it will appear in the **Mobile Device Inventory** tab of the Avalanche Console. By configuring profiles, you can update mobile devices with network settings, software packages and other configurations.

Manage Mobile Devices

The **Mobile Device Inventory** tab provides a list of all devices that have contacted a mobile device server. From this tab, you can right-click any device and select **Mobile Device Details** to view the *Mobile Device Details* dialog box. This dialog box provides device-specific information and options to control your mobile device. These options include pinging, updating, or sending a message to the device.

Connect to Infrastructure Devices

In order for the Infrastructure Server to auto-detect access points, it needs to have the appropriate device access privileges (configured in an Infrastructure Server profile). Once they are recognized, devices will be added to the **Infrastructure Inventory** tab.

To add switches to the Infrastructure Inventory, you must use the Infrastructure Site Console to specify the IP address(es). Click on the name of the Infrastructure Server in the Navigation window and click **Tools > Launch Infrastructure Site Console**. From the Infrastructure Site Console, right-click the name of the infrastructure server and select **Add Network Devices** from the context menu.

Manage Infrastructure Devices

The **Infrastructure Inventory** tab provides a list of all devices that have contacted an infrastructure server. From this tab, you can right-click a device and perform tasks such as querying the device, viewing device properties, and updating the firmware.

From the Web Console, click the **Floorplans** context link to import a floorplan of your workspace and map your infrastructure devices on it. Avalanche can display a heatmap of estimated radio coverage — based on radio type and power level reported by the device — and mobile devices associated with each access point.



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