

# ALM Integration with Mobile Center

You can run your tests of your mobile applications directly from ALM. These tests access the mobile devices and applications from your Mobile Center (MC) server and post the test results in ALM.

- [Configuring MC from ALM](#)
- [Customizing MC Enabled Project](#)
- [Setting Mobile Devices and Applications for Tests from ALM](#)

## Configuring MC from ALM

To enable the MC integration, configure the MC specific site parameters and enable your ALM project with the MC extension.

### 1) Configure MC parameters

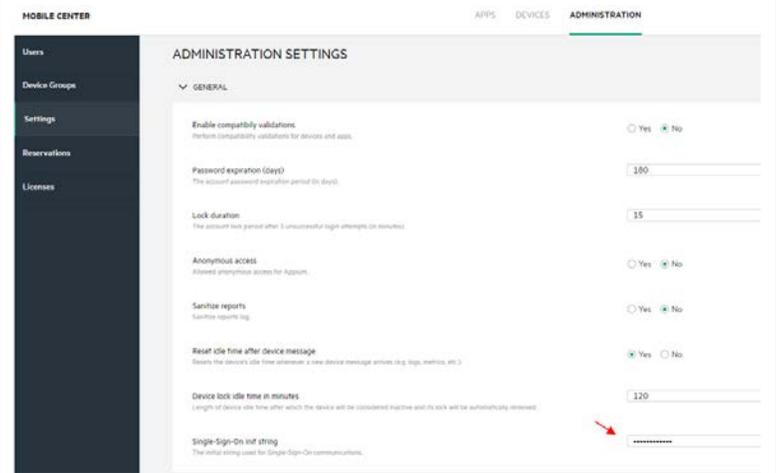
- a) In ALM Site Administration, click the **Site Configuration** tab.
- b) Define the following site parameters:

Parameter Name	Description
MOBILE_CENTER_SERVER_HOST	Enter the MC server IP address or FQDN (fully qualified domain name).
MOBILE_CENTER_SERVER_PORT	Enter the port number of the MC server.
MOBILE_CENTER_SSL_ENABLED	Set this parameter to Y, if MC uses an SSL connection (starting with https:). If SSL is not used, set it to "N".

**COMMUNICATION\_SECURITY\_  
PASSPHRASE**

If the communication between the ALM server and MC is enabled after authentication by a Single Sign-On (SSO) token, enter the appropriate value.

**Note:** The same value must be set in MC (**Administration > Settings > General > Single Sign On Init string**). For details, see <http://mobilecenter.hpe.com/docs/en/2.01/Content/AdminTasks.htm>.



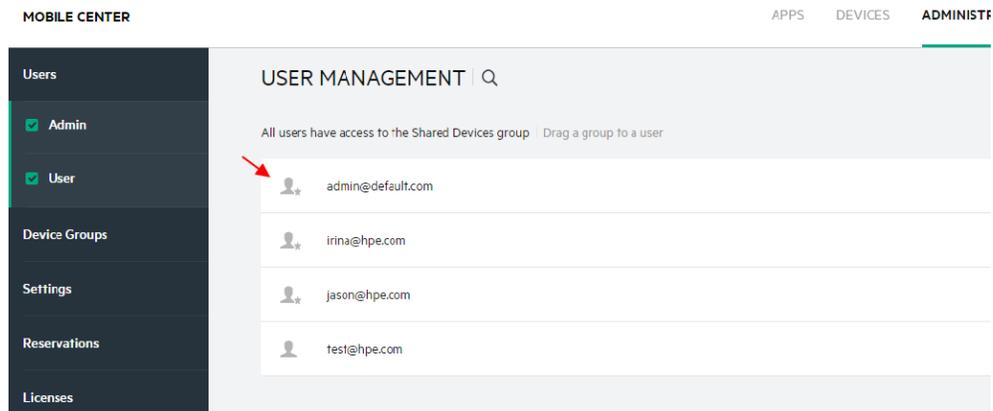
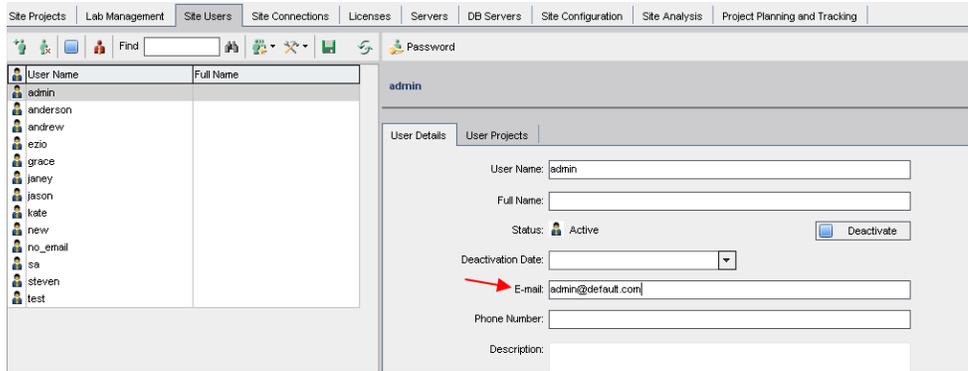
For more details on ALM site parameters, see:

- ALM 12.53:  
[http://almhelp.saas.hp.com/en/12.53/online\\_help/Content/Admin/sa\\_configuration\\_parameters\\_toc.htm](http://almhelp.saas.hp.com/en/12.53/online_help/Content/Admin/sa_configuration_parameters_toc.htm)
- ALM 12.21:  
[http://almhelp.saas.hp.com/en/12.20/online\\_help/Content/Admin/sa\\_configuration\\_parameters\\_toc.htm](http://almhelp.saas.hp.com/en/12.20/online_help/Content/Admin/sa_configuration_parameters_toc.htm)

**2) Set email addresses for authorized users**

In ALM Site Administration, click the **Site Users** tab.

To allow users to run tests via the ALM and MC integration, in the **User Details** tab, make sure to define an email address for each user. The email address must match the email address defined in MC (**Administration > Users**).



For more details, see:

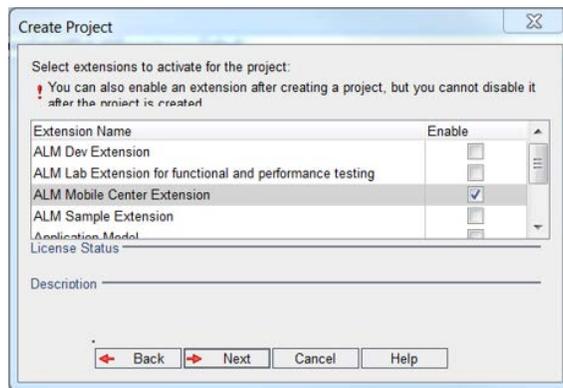
- ALM 12.53: [http://almhelp.saas.hp.com/en/12.53/online\\_help/Content/Admin/sa\\_users\\_add\\_new.htm](http://almhelp.saas.hp.com/en/12.53/online_help/Content/Admin/sa_users_add_new.htm)
- ALM 12.21: [http://almhelp.saas.hp.com/en/12.20/online\\_help/Content/Admin/sa\\_users\\_add\\_new.htm](http://almhelp.saas.hp.com/en/12.20/online_help/Content/Admin/sa_users_add_new.htm)
- MC: <http://mobilecenter.hpe.com/docs/en/2.01/Content/AdminTasks.htm>.

### 3) Create MC enabled project

To create a project, see:

- ALM 12.53: [http://alm-help.sas.com/en/12.53/online\\_help/Content/Admin/sa\\_proj\\_create.htm](http://alm-help.sas.com/en/12.53/online_help/Content/Admin/sa_proj_create.htm)
- ALM 12.21: [http://alm-help.sas.com/en/12.20/online\\_help/Content/Admin/sa\\_proj\\_create.htm](http://alm-help.sas.com/en/12.20/online_help/Content/Admin/sa_proj_create.htm)

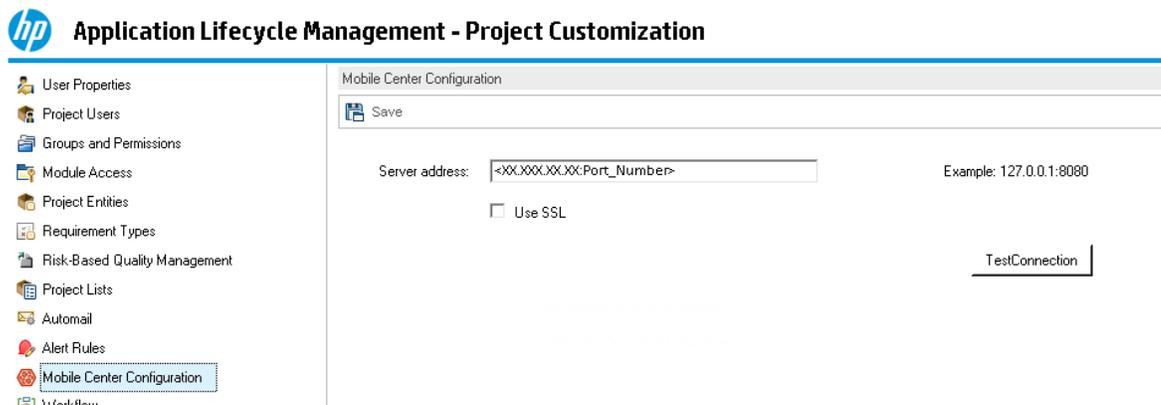
**Note:** Make sure to enable the MC extension.



## Customizing MC Enabled Project

To meet your testing needs, you can customize your project by overriding the default MC configurations defined at the site level in Site Administration (e.g., server IP port and SSL). You customize your project using ALM Project Customization.

- 1) On the ALM masthead, click  and select **Customize**.
- 2) In the left pane, click **Mobile Center Configuration**.



- 3) In the **Server address** field, enter an MC server IP address or FQDN and port number.
- 4) If the server is SSL enabled, select **Use SSL**.

- 5) To test the connection to the MC server, click **Test Connection**.
- 6) Save and exit Project Customization and return to your ALM project.

## Setting Mobile Devices and Applications for Test Instances from ALM

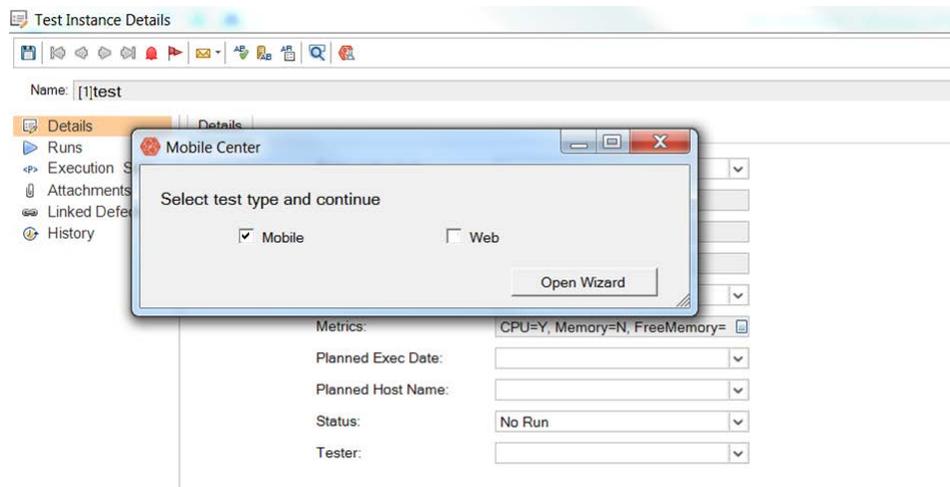
Assign mobile devices and applications for your test instances using the Mobile Center wizard.

### 1. Display the Execution Grid

- a. On the ALM sidebar, under **Testing**, select **Test Lab**.
- b. Select a test set and click the **Execution Grid** tab.

### 2. Open the Mobile Center wizard

- a. In the Execution Grid, select one or more test instances, Click . Alternatively, in the Execution Grid, right-click the selected test instances and choose **Test Instance Details**. Click . The Mobile Center dialog box opens.



- b. To assign mobile devices and applications for your test instances, select one of the following types:

Type	Description
Mobile	Sets up the test for a native or hybrid mobile application.
Web	Sets up the test for a mobile web application.

- c. Click **Open Wizard**. The Mobile Center wizard opens. For details, see [http://mobilecenter.hpe.com/docs/en/2.01/Content/MC\\_wizard.htm](http://mobilecenter.hpe.com/docs/en/2.01/Content/MC_wizard.htm).
- d. Save and close the Mobile Center wizard.

### 3. View the mobile devices and applications set for your test instances

The following MC related fields can be viewed in the Execution Grid (you may need to customize the grid), or from the Test Instance Details dialog box.

Field Name	Description
Apps Under Test	The apps selected from the Mobile Center wizard.
AUT Actions	Install, uninstall, or restart applications as part of a test run.
Device	The unique device ID being used for emulation (phone, tablet, or both).
Device Capability Filter	A rule-based filter allowing you to select a device based on its capabilities.
Device Labs	The lab from which to choose a device.
Launch on Start	The application to launch when the device is started for the test.
Metrics	Collect device metrics collected from a device during a run session, such as CPU and memory, and logs.
Test Type	The selected test type: Mobile or Web.