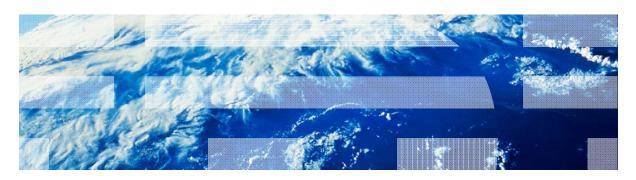


IBM Worklight V6.0.0 Getting Started

Distributing mobile applications with Application Center





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Agenda

- Overview
- Installing and configuring
- Managing applications in the Application Center console
- Application Center Mobile client
- Deploying applications from Worklight Studio
- Application Center command-line tools



Overview

- The IBM Worklight® Application Center is a repository of mobile applications similar to public app stores but focused on the needs of an organization or a team (private app store)
- Facilitates sharing mobile applications
 - You can share feedback and rating information
 - Use access control lists to limit who can install applications
- Works with IBM Worklight and non IBM Worklight apps
 - Supports any iOS/Android or Blackberry 6/7 applications
- Can be used in different contexts:
 - As an enterprise app store across an organization
 - During development to distribute applications within a team.





Agenda

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- Application Center is installed as part of the installation of the Worklight Server with IBM Installation Manager.
- Before you install the Application Center, you need to have installed:
 - An Application Server (Tomcat or WebSphere® Application Server [full or Liberty profile])
 - A database (DB2®, Oracle or MySQL)
- If you do not have a database server installed, the installation can also install an Apache Derby database, but using this database is not recommended for production scenarios.
- IBM Installation Manager guides you through the installation of the Application Center with choices of database and application server; see the topic <u>Installing Worklight Server</u> in the IBM Worklight user documentation.



After the Application Center is installed with IBM Installation Manager, open the console using:

http://localhost:9080/appcenterconsole

- Login with user / password : demo / demo
- At this point, you can configure user authentication; for example, by connecting to an LDAP repository. For more information, see <u>Configuring the</u> <u>Application Center after installation</u> in the IBM Worklight user documentation.



The next step is to prepare the mobile client for Android, iOS, and BlackBerry. The mobile client is the mobile application that you use to browse the catalog and install the application.

For Android phones and tablets:

The mobile client is delivered as a compiled application (APK)
 <installation-dir>/ApplicationCenter/installer/IBMApplicationCenter.apk

For iPad and iPhone:

- You need to compile and sign the client application provided in source code.
- In Worklight Studio, open the IBMAppCenter Project at: <installationdir>/ApplicationCenter/installer
- Use Run As / Build and Deploy to build the project.
- Use Xcode to build and sign the application with your Apple iOS Enterprise profile.



For BlackBerry

- To build the BlackBerry version, you must have the BlackBerry Eclipse IDE (or Eclipse with the BlackBerry Java[™] plug-in) with the BlackBerry SDK 6.0. The application also runs on BlackBerry OS 7 when compiled with BlackBerry SDK 6.0.
- A BlackBerry project is provided in <installationdir>/ApplicationCenter/installer/IBMAppCenterBlackBerry6.
- For more information about building the mobile client, see the topics
 <u>Preparations for using the mobile client</u> in the IBM Worklight user documentation.



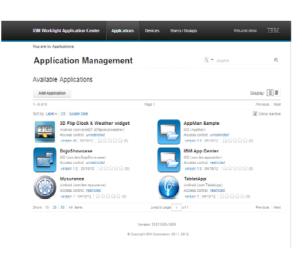
Agenda

- Overview
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Use the Application Center console to manage applications in the catalog in the following ways:

- Add and remove applications
- Manage versions of applications
- Look at the details of an application
- Restrict the access of an application to specific users or groups of users
- Read the reviews for each application
- Review registered users and devices

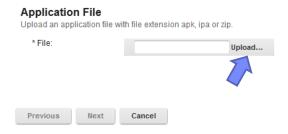




To add new applications in the Store:

- Open the Application Center console.
- Click Add application.
- Select the Application File: .ipa (iOS), .apk (Android) or .zip (BlackBerry).
- Click Next.







Previous

Done

Cancel

Application Management

- In the Application Details views, you can review the information about the new application and enter further information such as the description.
- You can return to this view later for all applications in the catalog.
- Click **Done** to finish the task.
- The new application is added to the store.

Add an application Application Details Package, Version and Label must be set in the uploaded application package and cannot be modified afterwards Package com.ibm.mvsurance Identifies the application Internal Version: Internal version number used to compare versions Commercial Version: 1.0-TechPreview Version displayed on the mobile device * Label: Mysurance Label of the application as defined by the developer Author: demo User who has uploaded this application Description racters maximum) Recommended: application will be listed as a recommended application on the mobile device Installer Indicates whether this application is an installer Active: 1 An active application can be installed on a device Ready for production:

Indicates whether this application is ready for production

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By default, an application can be installed by all authorized users of the store.

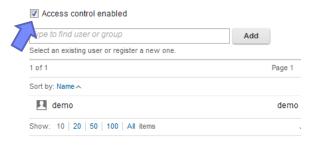
To restrict the access to a group of users:

- In the catalog view, click the unrestricted link next to the application name.
- The Installation Access Control page opens.
- Select the Access control enabled check box.
- You can now enter the list of users or groups that are authorized to install the application.
- If you have configured LDAP, you add users and groups that are defined in the LDAP repository.



Installation Access Control

The users with permission to install this application on their devices.





Agenda

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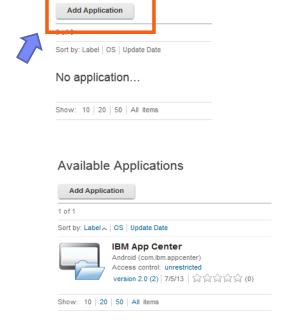


- A mobile application to manage applications on the device
 - List all applications from the catalog (for which you have access rights)
 - List the favorite applications
- Install Applications
 - Install an application or upgrade to a new version
- Feedback
 - Provide feedback and five-star rating for an application





- Application Center Mobile client applications must be added to the catalog.
 - Open the Application Center console.
 - Click the Add Application button to add the mobile client .apk, .ipa, or .zip file.
 - Click **Next** to open the Details page.
 - In the Application Details page, select the **Installer** check box to indicate that this application is a mobile client.
 - Click **Done** to add the IBM App Center app to the catalog.



Available Applications



- To install the mobile client on the mobile device:
 - Open the web browser on the device.
 - Enter the URL: http://hostname:9080/appcenterconsole/installers.html
 - Enter the user name and password.

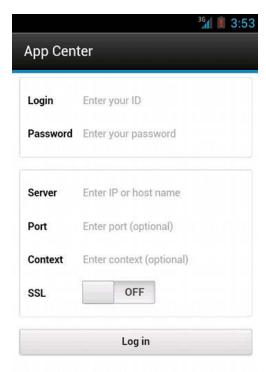


- Select the IBM App Center application to start the installation.
- On Android, you must open the Android Download application and select the IBM App Center for installation.



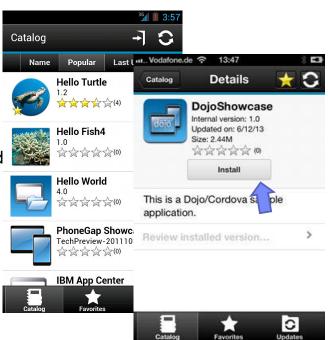
To log in to the Mobile client:

- Enter your credentials for access to the server.
- Enter the host name or IP address of the server.
- In the **Port** field, enter the port number if it is not the default one (80).
- In the Context field, enter the context: applicationcenter





- The catalog view displays the list of available applications.
- Selecting an application opens the Details view on the application.
- The application can be installed from the Details view.







- Favorite applications are listed in the Favorites view.
- The favorite applications list is available on all the devices of a particular user.







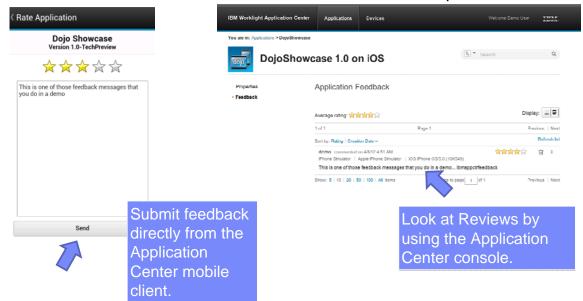
- The Updates view lists all available updates.
- In the Updates view, navigate to the Details view.
- In the Details view, select a newer version of the application or take the latest available version.
- If the Application Center is configured to send push notification, you might be notified of updates by push notification messages.







 From the Mobile Client, you can rate the application and send a review. Reviews can be seen on the console or on the phone.





Agenda

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Deploying applications from Worklight Studio

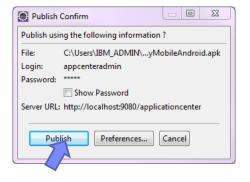
- Applications can be deployed to the Application Center directly from Worklight Studio.
- You start by setting the publication preferences.
- In Worklight Studio, use
 Window/Preferences to open the Preferences views.
- Select IBM Application
 Center/ Publish Preferences
 and specify the server URL,
 your login, and your password.





Deploying applications from Worklight Studio

- To deploy an APK files or IPA files to the Application Center:
 - Right-click the file in the Worklight Studio workspace.
 - Select IBM Application Center/publish application.
 - 3. Confirm by clicking **Publish**.





Agenda

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Application Center command-line tools

- The <installation-dir>/ApplicationCenter/tools directory contains all the files that are required to use the command-line tool or Ant tasks to manage the applications in the store:
 - applicationcenterdeploytool.jar: the upload command-line tool.
 - json4j.jar: the library for the JSON format that is required by the upload tool.
 - build.xml: a sample Ant script that you can use to upload a single file or a sequence of files to the Application Center.
 - acdeploytool.sh and acdeploytool.bat: Simple scripts to call Java with applicationcenterdeploytool.jar.
- For example, to deploy an application (app.apk) to the store in (localhost:9080/applicationcenter) with user ID "demo" and password "demo", use:
 - Java com.ibm.appcenter.Upload -s http://localhost:9080 -c applicationcenter -u demo -p demo app.apk



More information about Application Center

 For more information about Application Center, see the topic <u>Application Center</u> in the IBM Worklight user documentation.



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