

SAP Mobile Platform 3.0 SP05  
Document Version: 1.0 - 2014-09-05

# Installation: SAP Mobile Platform SDK for Mac OS



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# 1 Installation: SAP Mobile Platform SDK for Mac OS

SAP® Mobile Platform SDK development tools leverage common open source technologies and standards to increase your productivity and reduce development time.

Installing SAP Mobile Platform SDK includes verifying system requirements, acquiring and running the installer, and verifying the installation.

After you install SAP Mobile Platform SDK, you can add components to the installation.

*Postinstallation Tasks* directs you to documentation that explains how to develop applications with the components you installed.

## Related Information

[Acquiring the Installer](#) [page 4]

[Preparing for Installation](#) [page 5]

[Running the Installer](#) [page 5]

[Verifying the Installation](#) [page 6]

[Postinstallation Tasks](#) [page 11]

## 2 Installing SAP Mobile Platform SDK

Install SAP Mobile Platform SDK components so you can develop, deliver, and manage mobile applications.

1. [Acquiring the Installer](#) [page 4]  
*The SAP Mobile Platform SDK installer is available as physical media and as a Web download.*
2. [Preparing for Installation](#) [page 5]  
*Ensure that the host on which you are installing SAP Mobile Platform SDK meets the system requirements and is ready for you to begin the installation.*
3. [Running the Installer](#) [page 5]  
*Start the SAP Mobile Platform SDK installer, accept the end user license agreement, specify the installation directory and components to install, and launch the installation process.*
4. [Verifying the Installation](#) [page 6]  
*After you complete the installation, verify that the installation is successful.*

### 2.1 Acquiring the Installer

The SAP Mobile Platform SDK installer is available as physical media and as a Web download.

#### Procedure

Use one of these methods:

- Insert the physical installation media.
- Download from the software distribution center on SAP Service Marketplace:
  1. Go to <http://service.sap.com/swdc>.
  2. In the left pane, under *Installations and Upgrades*, select *A-Z Index*.
  3. Click *M*.
  4. Select *SAP MOBILE PLATFORM SDK*.
  5. Click the link for the current version.
  6. Choose the file to download.
  7. Extract the contents of the .zip file to a temporary directory on a local disk on the target host.
  8. Extract the contents of the SAP Mobile Platform SDK installer .zip file to a temporary directory on a local disk on the target host.  
Use a short path, preferably a folder directly below the root directory, such as /Users/  
<user\_name>/temp. The path can include only ASCII alphanumeric characters, underscore ( \_ ), hyphen ( - ), and period ( . ). Two consecutive period characters are not allowed.

## 2.2 Preparing for Installation

Ensure that the host on which you are installing SAP Mobile Platform SDK meets the system requirements and is ready for you to begin the installation.

### Procedure

1. Verify that the target system meets the system requirements for SAP Mobile Platform SDK.

See the SAP Product Availability Matrix (PAM) <http://service.sap.com/pam>. Click the *Mobile* link at the top of the page. Scroll to find the appropriate product and version in the product list.

2. Verify that Java for OS X, version 6 or higher, is installed on the target system.

## 2.3 Running the Installer

Start the SAP Mobile Platform SDK installer, accept the end user license agreement, specify the installation directory and components to install, and launch the installation process.

### Procedure

1. Browse to the root directory of the SAP Mobile Platform installer and double-click the *setupMacOSX.jar* file.

#### Note

The installer displays an `Initializing wizard...` message while it verifies the integrity of the installation image. It may take a few minutes for the first installer panel to appear.

2. On the installer welcome page, click *Next*.
3. On the end-user license agreement page, select your country, accept the terms of the license agreement and click *Next*.
4. Specify the absolute path to the installation location, which must reside on a local drive on the target host.

The total length of the path must be 43 characters or less.

The path can include only ASCII alphanumeric characters, underscore ( \_ ), hyphen ( - ), and period ( . ). Two consecutive period characters are not allowed.

5. Select the installation type, based on the SDK components you want to install:
  - *Standard* – installs all the components available.
  - *Custom* – lets you select the specific components to install.

6. If you selected *Custom* on the installation type panel, select the specific components to install.

Ensure that you select the components required for the type of development you plan to do:

SDK Component	Description
Native SDK	Provides an open and flexible framework for native OData application development for both online and offline applications. Components are implemented as independent static runtime libraries.
Kapsel SDK	Provides SAP plug-ins that enhance the Apache Cordova application container, allowing it to seamlessly integrate with SAP Mobile Platform Server.
SMS Toolkit	Supports creation of SMS applications using predefined and custom application states. Use the application states as basic building blocks you link sequentially to model application task flows.

7. Click *Next*. On the summary information panel, verify the installation features and click *Install*.
8. Click *Finish*.

## 2.4 Verifying the Installation

After you complete the installation, verify that the installation is successful.

### Context

### Procedure

1. Use a text editor to open the `SMP SDKInstall<<date-time>>.log` file from the `<SMP_HOME>/InstallLogs` directory.

#### **i** Note

By default, SAP Mobile Platform SDK components are installed in the `<$HOME>/SAP/MobileSDK<XXX>` directory. In this guide, `<SDK_HOME>` represents the SAP Mobile Platform SDK installation directory, down to the `MobileSDK<XXX>` folder.

2. Search for "error"—no search results indicates that the installation completed successfully.

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## 3 Adding Components to an SDK Installation

You can add components to an existing SAP Mobile Platform SDK installation.

### Context

### Procedure

1. Run the installer.
2. On the component selection panel, select additional components that you want to add.

## 4 Uninstalling SAP Mobile Platform SDK

Run the `uninstall.jar` file to uninstall SAP Mobile Platform SDK.

### Prerequisites

- Back up any user-created files and log files you want to keep from the installation directories to another location.
- Prevent virus scans, backups, and system updates from interfering with the uninstallation by either excluding the SAP Mobile Platform SDK installation directory from these processes, or by temporarily disabling these processes.

### Procedure

1. Browse to the `<SDK_HOME>/Uninstaller/SDK` directory of the SAP Mobile Platform installer and double-click the `uninstall.jar` file.

#### Note

By default, SAP Mobile Platform SDK components are installed in the `<$HOME>/SAP/MobileSDK<XXX>` directory. In this guide, `<SDK_HOME>` represents the SAP Mobile Platform SDK installation directory, down to the `MobileSDK<XXX>` folder.

2. Click [Next](#) in the welcome window.
3. Select the components to be uninstalled and click [Next](#).
4. On the summary information panel, click [Uninstall](#) to start uninstalling the selected SAP Mobile Platform SDK components.
5. Click [Finish](#) when you see:  
The InstallShield Wizard has successfully uninstalled SAP Mobile Platform SDK `<<version>>`.
6. Manually delete any folders and files remaining in the `<SDK_HOME>` tree.



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## 5 Troubleshooting

Determine the cause of common problems and apply the recommended solution.

### 5.1 Issues Requiring Product Support

Your SAP support ID gives you access to enterprise-level incident support as part of your support plan on SAP Service Marketplace.

Product Support can help you resolve new undocumented incidents with software installation, start-up, and overall use, as well as providing diagnostic and troubleshooting assistance for known problems with a new or undocumented cause.

#### 5.1.1 Product Support Engagement Requirements

If you use SAP Service Marketplace to engage with Product Support, you must meet certain requirements.

##### Service Marketplace Case Creation Requirements

Be prepared to provide:

- A valid installation number for SAP Mobile Platform
- A valid service contract with SAP
- A valid system ID (S-User ID)
- An enabled NetViewer connection.


##### SAP Mobile Platform Incident Requirements

- Configure your logs to an appropriate level for your issue. Product Support requires details from one or more of the system logs.
- Capture these basic incident details to help Product Support analyze the problem, and determine any next steps:
  - Environment summary: product version, back end, client type (device and OS), proxy connections. These details help isolate component that is causing the failure. If you have an architecture diagram, share it with SAP.
  - Problem description: what were the actions preceded the incident. Capture all details that allow Product Support to reproduce the issue.
- Locate the server version in the SMP\_HOME\Server\version.properties file.


## 5.1.2 Creating an Incident on SAP Service Marketplace

If you cannot resolve problems with the troubleshooting documentation for SAP Mobile Platform, go to SAP Service Marketplace for additional help.

Use SAP Service Marketplace to create an incident message for Product Support. Keywords from this message return related articles from the Knowledge Base. Before you submit a message, review these articles to see if they resolve your problem.

1. Go to <http://service.sap.com/message> .
2. Create a message using the wizard.

### Note

You must know the component ID for SAP Mobile Platform to return the correct scope of Knowledge Base Articles and to correctly route the message to Product Support. On-premise installations of SAP Mobile Platform use a different ID than cloud instances. See Knowledge Base Article [1915061- How to Choose a Component for SAP Mobile Platform 3.x in Service Marketplace](#) .

3. Once the message is processed, you receive an e-mail notification of the solution.

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## 6 Postinstallation Tasks

Continue with the developer documentation for the type of development supported by the SAP Mobile Platform SDK components you have just installed.

### Procedure

1. Go to the *Setting Up the Development Environment* topic in the applicable developer documentation from the list below.

SDK Component	Developer Documentation
Native SDK	<i>Native OData App Development</i>
Kapsel SDK	<i>Kapsel Development</i>

## 7 Installation Directories

Find the component files necessary to develop different types of applications.

The following table shows the top-level subdirectories that are created when you install SAP Mobile Platform SDK. The directory names identify the type of application that the different components support.

By default, SAP Mobile Platform SDK components are installed in the `<$HOME>/SAP/MobileSDK<XXX>` directory. In this guide, `<SDK_HOME>` represents the SAP Mobile Platform SDK installation directory, down to the `MobileSDK<XXX>` folder.

Table 1: SAP Mobile Platform SDK Installation Subdirectories

Directory	Description
ClientHub	Files for Client Hub applications, used for registering applications on iOS and Android devices.
KapselSDK	Kapsel framework files.
NativeSDK	Native application files. that support Mobile Application Framework (MAF) and OData Framework.
SMSToolKit	Short Message Service (SMS) files, that support SMS Builder.
ThirdParty	License terms of third-party components that are included in SAP Mobile Platform SDK.

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