



Supported Hardware and Software

SAP Mobile Platform 2.3 SP02

DOCUMENT ID: DC01914-01-0232-01

LAST REVISED: September 2013

Copyright © 2013 by Sybase, Inc. All rights reserved.

This publication pertains to Sybase software and to any subsequent release until otherwise indicated in new editions or technical notes. Information in this document is subject to change without notice. The software described herein is furnished under a license agreement, and it may be used or copied only in accordance with the terms of that agreement.

Upgrades are provided only at regularly scheduled software release dates. No part of this publication may be reproduced, transmitted, or translated in any form or by any means, electronic, mechanical, manual, optical, or otherwise, without the prior written permission of Sybase, Inc.

Sybase trademarks can be viewed at the Sybase trademarks page at <http://www.sybase.com/detail?id=1011207>. Sybase and the marks listed are trademarks of Sybase, Inc. ® indicates registration in the United States of America.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and in several other countries all over the world.

Java and all Java-based marks are trademarks or registered trademarks of Oracle and/or its affiliates in the U.S. and other countries.

Unicode and the Unicode Logo are registered trademarks of Unicode, Inc.

All other company and product names mentioned may be trademarks of the respective companies with which they are associated.

Use, duplication, or disclosure by the government is subject to the restrictions set forth in subparagraph (c)(1)(ii) of DFARS 52.227-7013 for the DOD and as set forth in FAR 52.227-19(a)-(d) for civilian agencies.

Sybase, Inc., One Sybase Drive, Dublin, CA 94568.

Contents

SAP Mobile SDK Requirements	1
Mobile SDK System Requirements	1
Agentry Editor Requirements	2
Supported Platforms and Development Environments	2
Object API Applications – Supported Versions	2
OData SDK Applications—Supported Versions	6
HTML5/JS Hybrid Apps—Supported Versions	8
Agentry Applications—Supported Versions	12
Virtual Machine Support for Mobile SDK	13
SAP Mobile Platform Runtime Requirements	14
SAP Mobile Server Requirements	14
Data Tier Requirements	15
System Landscape Directory Requirements	16
Relay Server Requirements	16
SAP Control Center Requirements	18
Supported Afaria Versions	18
BlackBerry Enterprise Server Requirements	18
Certified LDAP Servers	19
Supported LoadRunner Versions	19
Supported Introscope Enterprise Manager Versions	19
Supported SAP Solution Manager Versions	20
CTS Requirements	20
Virtual Machine Support for SAP Mobile Platform	21
Runtime	21
Supported Enterprise Information Systems and Databases	22
Index	23

SAP Mobile SDK Requirements

Operating systems, disk space, supported mobile devices, mobile application development environments, and virtual machine support for SAP® Mobile SDK.

Mobile SDK System Requirements

Each SAP Mobile SDK host must meet the requirements for operating system and available disk space.

Table 1. Host Operating System

Operating System	Service Pack	CPU
Microsoft Windows XP; Professional	SP2, SP3	32-bit only
Microsoft Windows Vista; Business, Enterprise, or Ultimate	SP2	32- and 64-bit
Microsoft Windows 7; Professional, Enterprise, or Ultimate	SP1	32- and 64-bit
Microsoft Windows Server 2003	SP2	64-bit
Microsoft Windows Server 2008	SP2	64-bit
Microsoft Windows Server 2008R2	SP1	64-bit

Note: 32-bit applications are supported on the 64-bit Microsoft Windows Server Operating Systems using WoW64. For Microsoft Windows Server 2008R2, WoW64 is an optional component that must be installed and enabled to fully support 32-bit applications.

Table 2. Hardware (Minimum)

CPU	RAM
Intel Core 2 Duo processor running at 2 GHz or higher, or equivalent AMD processor	4GB

Disk Space for Installation Only

Disk space required for SAP Mobile SDK: 1.4GB

Agentry Editor Requirements

View the environment requirements for installing the Agentry Editor.

The Agentry Editor is the primary tool for developing Agentry applications. The Editor is provided with SAP Mobile SDK as an Eclipse plugin beginning with SAP Mobile Platform and requires a standalone Eclipse environment separate from the SAP Mobile Platform workspace.

Supported Eclipse Platforms

Before installing the Agentry Editor, install the appropriate Eclipse platform version:

Agentry Editor Installation	Eclipse Platform Version
32-Bit: Agentry_6_0_14_0_EditorPlugin_x86.zip	Eclipse 3.7.2 (Eclipse Indigo) 32-Bit
64-Bit: Agentry_6_0_14_0_EditorPlugin_x86_64.zip	Eclipse 3.7.2 (Eclipse Indigo) 64-Bit

Note: The Eclipse (JUNO) version is not supported; you must use a pre-JUNO release Eclipse for the Editor plugin.

For more information about installing the Agentry Editor, refer to *Installing the Agentry Editor Plug-In and Eclipse Platform* in the *Installation Guide for SAP Mobile SDK*.

Supported Platforms and Development Environments

When developing a mobile application, check which device platforms and operating systems are supported. Use only the supported application development environments.

Object API Applications – Supported Versions

You can build native Object API applications on the platforms that support native application development environments.

Apple iOS Versions for Object API

Review the supported application development environments, operating systems, and hardware, and review the tested devices.

Supported Application Development Environments

- Mac OS X 10.8 (Mountain Lion) and Mac OSX 10.7.5 (Lion)
- Xcode 4.6
- iOS SDK 6.1

Supported Device Operating Systems

- Apple iOS 6.1.x
- Apple iOS 6.0.1
- Apple iOS 6.0
- Apple iOS 5.1.1
- Apple iOS 5.1
- Apple iOS 5.0

Supported Hardware

The recommended minimum hardware configuration is:

- iPhone 4
- iPod 4th Generation

Please refer to Apple's documentation regarding additional restrictions on iOS versions and hardware.

Tested Devices

Unless otherwise noted, all devices are supported. These devices have been tested by SAP:

- iPhone 5 on Apple iOS 6.0
- iPhone 4s on Apple iOS 6.1
- iPhone 4 on Apple iOS 5.1
- iPad Mini on Apple iOS 6.1
- iPad Mini on Apple iOS 6.0.1
- iPad with Retina Display and A6X chip on Apple iOS 6.0.1
- iPad with Retina Display and A5X chip on Apple iOS 6.0
- iPad on Apple iOS 5.1.1

Google Android Versions for Object API

Review the supported application development environments and operating systems, and the tested devices.

Supported Application Development Environments

- Android SDK Tools, Revision 21
<http://developer.android.com/sdk/index.html>
- ADT 21.0.0
<http://developer.android.com/sdk/eclipse-adt.html>

Supported Device Operating Systems

- Android 4.1

SAP Mobile SDK Requirements

- Android 4.0.4
- Android 4.0
- Android 3.2
- Android 3.1
- Android 3.0.0
- Android 2.3.5
- Android 2.3.3
- Android 2.3.2
- Android 2.2.1
- Android 2.2

Tested Devices

Unless otherwise noted, all devices are supported. This device has been tested by SAP: Samsung Galaxy S2 GT-I9100G on Android 4.0.3.

Microsoft Windows Mobile Versions for Object API

Review the supported application development environments, operating systems, and hardware.

Supported Application Development Environments

- Visual Studio 2008
- Microsoft .NET Compact Framework 3.5

Supported Device Operating Systems

- Windows Mobile 6.5 Professional
- Windows Mobile 6.5 Standard
- Windows Mobile 6.1 Professional
- Windows Mobile 6.1 Standard
- Windows Mobile 6.0 Professional
- Windows Mobile 6.0 Standard

Supported Hardware

The recommended minimum hardware is 256MB RAM with a CPU clock speed greater than 500MHz.

Tested Devices

Unless otherwise noted, all devices are supported.

Microsoft Windows Versions for Object API

Review the supported application development environments, operating systems, and hardware.

Supported Application Development Environments

- Visual Studio 2008
- Microsoft .NET Framework 3.5

Supported Operating Systems

- Windows XP; Professional Edition, SP2 or SP3 (32-bit only)
- Windows Vista; Business, Enterprise, and Ultimate Editions, SP2 (32- and 64-bit)
- Windows 7; Professional, Enterprise, and Ultimate Editions, SP1 (32- and 64-bit)

Supported Hardware

The SAP Mobile Platform clients must use WoW64 on any 64-bit Windows operating system. The 64-bit native client libraries are not provided.

RIM BlackBerry Versions for Object API

Review the supported application development environments, device software versions, and hardware, and review the tested devices.

Supported Application Development Environments

BlackBerry is not a supported platform for custom development of DOE-based Object API applications, unless otherwise stated.

- BlackBerry Java Plug-in for Eclipse v1.5.2
- BlackBerry Java Development Environment (JDE) v7.0, 7.1
- BlackBerry Java Development Environment (JDE) v6.0

Supported Device Software

- BlackBerry 7.1 OS
- BlackBerry 7.0 OS
- BlackBerry 6.0 OS

Supported Hardware

The recommended minimum hardware is 512MB RAM with a CPU clock speed greater than 624MHz.

Devices are required to be paired with a BES and have the BlackBerry MDS transport enabled to allow connection with the SAP Mobile Platform Runtime. It is also strongly recommended to have BlackBerry MDS Connection Service enabled to be able to receive push notifications.

Tested Devices

Unless otherwise noted, all devices are supported. This device has been tested by SAP: BlackBerry Torch 9810 (v7.0.0.540, Platform 5.0.0.694) on 7.0 OS.

OData SDK Applications—Supported Versions

You can build native OData SDK applications on the platforms that support native application development environments.

Apple iOS Versions for OData SDK

Review the supported application development environments, operating systems, and hardware, and review the tested devices.

Supported Application Development Environments

- Mac OS X 10.8 (Mountain Lion) and 10.7 (Lion)
- Xcode 4.6
- iOS SDK 6.1

Supported Device Operating Systems

- Apple iOS 6.1.x
- Apple iOS 6.0.1
- Apple iOS 6.0
- Apple iOS 5.1.1
- Apple iOS 5.1
- Apple iOS 5.0
- Apple iOS 4.3

Supported Hardware

The recommended minimum hardware configuration is:

- iPhone 4
- iPad 2

Please refer to Apple's documentation regarding additional restrictions on iOS versions and hardware.

Tested Devices

Unless otherwise noted, all devices are supported. These devices have been tested by SAP:

- iPhone 5 on Apple iOS 6.0
- iPhone 4S on Apple iOS 5.1.1
- iPad Mini on Apple iOS 6.0.1

- iPad with Retina Display and A6X chip on Apple iOS 6.1
- iPad with Retina Display and A6X chip on Apple iOS 6.0.1
- iPad 2 on Apple iOS 6.0
- iPad 2 on Apple iOS 5.1

Google Android Versions for OData SDK

Review the supported application development environments and operating systems, and the tested devices.

Supported Application Development Environments

- Android SDK Tools, Revision 21
<http://developer.android.com/sdk/index.html>
- ADT 21.0.0
<http://developer.android.com/sdk/eclipse-adt.html>

Supported Device Operating Systems

- Android 4.1
- Android 4.0.4
- Android 4.0
- Android 3.2
- Android 3.1
- Android 3.0
- Android 2.3.7
- Android 2.3.3
- Android 2.2

Tested Devices

Unless otherwise noted, all devices are supported. These devices have been tested by SAP:

- Samsung Galaxy S3 (GT-I9300) on Android 4.0.4
- HTC one V (ARM) on Android 4.0
- Samsung Galaxy Tab (GT-7500) on Android 3.2
- XOLO x900 (Intel) on Android 2.3.7
- Samsung Galaxy 2 (GT-I9000) on Android 2.2

RIM BlackBerry Versions for OData SDK

Review the supported application development environments, device software versions, and hardware, and review the tested devices.

Supported Application Development Environments

- BlackBerry Java Plug-in for Eclipse v1.5.2
- BlackBerry Java Development Environment (JDE) v7.0, 7.1
- BlackBerry Java Development Environment (JDE) v6.0

Supported Device Software

- BlackBerry 7.1 OS
- BlackBerry 7.0 OS
- BlackBerry 6.0 OS

Supported Hardware

The recommended minimum hardware is 512MB RAM with a CPU clock speed greater than 624MHz.

Devices are required to be paired with a BES and have the BlackBerry MDS transport enabled to allow connection with the SAP Mobile Platform Runtime. It is also strongly recommended to have BlackBerry MDS Connection Service enabled to be able to receive push notifications.

Tested Devices

Unless otherwise noted, all devices are supported. These devices have been tested by SAP:

- BlackBerry Bold 9900 (OS 7.0-7.0.0.261) on BlackBerry 7.0 OS
- BlackBerry Torch 9800 (v6.0.0.246) on BlackBerry 6.0 OS

HTML5/JS Hybrid Apps—Supported Versions

You can build Hybrid Web Container applications on the platforms that support native application development environments.

Note: Custom development using native IDEs is supported for only Android and iOS. For these two platforms, the Hybrid Web Container application is available in the form of a template project with static libraries for easy extensibility and branding.

Apple iOS Versions for HTML5/JS Hybrid Apps

Review the supported application development environments, operating systems, and hardware, and review the tested devices.

Supported Application Development Environments

- Mac OS X 10.8 (Mountain Lion)

- Xcode 4.6
- iOS SDK 6.1

Supported Device Operating Systems

- Apple iOS 6.1.x
- Apple iOS 6.0.1
- Apple iOS 6.0
- Apple iOS 5.1.1
- Apple iOS 5.1
- Apple iOS 5.0
- Apple iOS 4.3.5
- Apple iOS 4.3.2
- Apple iOS 4.3

Supported Hardware

The recommended minimum hardware configuration is:

- iPhone 4
- iPad
- iPod 4th Generation

Please refer to Apple's documentation regarding additional restrictions on iOS versions and hardware.

Tested Devices

Unless otherwise noted, all devices are supported. These devices have been tested by SAP:

- iPhone 5 on Apple iOS 6.1.2
- iPhone 4S on Apple iOS 5.1.1
- iPhone 4 on Apple iOS 6.0
- iPhone 4 on Apple iOS 5.1.1
- iPhone 4 on Apple iOS 5.1
- iPhone 4 on Apple iOS 5.0
- iPhone 4 on Apple iOS 4.3
- iPad Mini on Apple iOS 6.0.1
- iPad with Retina Display and A6X chip on Apple iOS 6.0.1
- iPad with Retina Display and A6X chip on Apple iOS 6.0
- iPad with Retina Display and A5X chip on Apple iOS 6.0.1
- iPad with Retina Display and A5X chip on Apple iOS 6.0
- iPad with Retina Display and A5X chip on Apple iOS 5.1.1
- iPad with Retina Display and A5X chip on Apple iOS 5.1
- iPad 2 on Apple iOS 6.0

SAP Mobile SDK Requirements

- iPad 2 on Apple iOS 5.0
- iPad 2 on Apple iOS 4.3
- iPad on Apple iOS 5.0
- iPad on Apple iOS 4.3
- iPod Touch on Apple iOS 5.0

Google Android Versions for HTML5/JS Hybrid Apps

Review the supported application development environments and operating systems, and the tested devices.

Supported Application Development Environments

- Android SDK Tools, Revision 21
<http://developer.android.com/sdk/index.html>
- ADT 21.0.0
<http://developer.android.com/sdk/eclipse-adt.html>

Supported Device Operating Systems

- Android 4.1
- Android 4.0.4
- Android 4.0
- Android 3.2
- Android 3.1
- Android 3.0.0
- Android 2.3.5
- Android 2.3.3
- Android 2.3.2
- Android 2.2.1
- Android 2.2

Tested Devices

Unless otherwise noted, all devices are supported. These devices have been tested by SAP:

- Motorola XOOM on Android 4.0.3
- Samsung Galaxy Tab GT-P1000 on Android 4.0.3
- HTC T320e on Android 4.0.3
- Samsung Galaxy Tab GT-P5100
- HTC Desire HD on Android 2.2

Microsoft Windows Mobile Versions for HTML5/JS Hybrid Apps

Review the supported application development environments, operating systems, and hardware, and review the tested devices.

Supported Application Development Environments

Beginning with SAP Mobile Platform 2.2, customization of the Windows Mobile Hybrid Web Container using Microsoft Visual Studio 2008 is supported.

Note: The Windows Mobile Hybrid Web Container only supports functionality up to SAP Mobile Platform 2.2 SP02. SAP Mobile Platform 2.3 contains only documentation changes. No additional feature enhancements are planned.

Supported Device Operating Systems

- Windows Mobile 6.5 Professional
- Windows Mobile 6.1 Professional
- Windows Mobile 6.0 Professional

Note: Due to the limited JavaScript support on Windows Mobile 6.0 and 6.1, if advanced JavaScript features are to be used, Windows Mobile 6.5 is recommended.

Supported Hardware

The recommended minimum hardware is 256MB RAM with a CPU clock speed greater than 500MHz.

Tested Devices

Unless otherwise noted, all devices are supported. These devices have been tested by SAP:

- HTC T9199 on Windows Mobile Professional 6.5
- HTC-HD2 on Windows Mobile Professional 6.5
- Dopod C750 on Windows Mobile Professional 6.0
- Dopod P660 on Windows Mobile Professional 6.0
- HTC 8900 on Windows Mobile Professional 6.0

RIM BlackBerry Versions for HTML5/JS Hybrid Apps

Review the supported application development environments, device software versions, and hardware, and review the tested devices.

Supported Application Development Environments

Beginning with Sybase® Unwired Platform 2.2, customizing the BlackBerry Hybrid Web Container with BlackBerry SDK 6.0 or above is supported.

Supported Device Software

- BlackBerry 7.1 OS
- BlackBerry 7.0 OS
- BlackBerry 6.0 OS

Supported Hardware

The recommended minimum hardware is 512MB RAM with a CPU clock speed greater than 624MHz.

Devices are required to be paired with a BES and have the BlackBerry MDS transport enabled to allow connection with the SAP Mobile Platform Runtime. It is also strongly recommended to have BlackBerry MDS Connection Service enabled to be able to receive push notifications.

Tested Devices

Unless otherwise noted, all devices are supported. These devices have been tested by SAP:

- BlackBerry Torch 9810 on BlackBerry 7.0 OS
- BlackBerry Curve 9360 on BlackBerry 7.0 OS
- BlackBerry Torch 9800 on BlackBerry 6.0 OS

Warning! Due to known BlackBerry Device Software memory limitations, BlackBerry Torch 9700 on BlackBerry Device Software 6.0 OS is not supported.

Agentry Applications—Supported Versions

You can build Agentry applications on the platforms that support native application development environments.

Apple iOS Versions for Agentry Applications

Review the supported device operating systems.

Supported Device Operating Systems

- Apple iOS 6.0
- Apple iOS 5.x

Microsoft Windows Mobile Versions for Agentry Applications

Review the supported device operating systems.

Supported Device Operating Systems

- Windows Mobile 6.5.3 Professional
- Windows Mobile 6.5 Professional
- Windows Mobile 6.5 Standard

- Windows Mobile 6.1 Professional
- Windows Mobile 6.1 Standard
- Windows Mobile 6.0 Professional
- Windows Mobile 6.0 Standard
- Windows Mobile 5.0

Microsoft Windows Versions for Agentry Applications

Review the supported device operating systems.

Supported Device Operating Systems

- Windows XP; Professional Edition, SP2 or SP3 (32-bit only)
- Windows 7; Professional, Enterprise, and Ultimate Editions, SP1 (32- and 64-bit)
- Windows 8 (only when configured for Classic UI Mode)

Google Android Versions for Agentry Applications

Review the supported device operating systems.

Supported Device Operating Systems

- Android 4.1
- Android 4.0.4
- Android 4.0
- Android 3.2
- Android 3.1
- Android 3.0
- Android 2.3.7
- Android 2.3.3

Virtual Machine Support for Mobile SDK

View information about support for SAP Mobile Platform running in virtualization system environments

SAP supports SAP Mobile Platform running in a virtualization system environment if:

- The virtualization system environment is officially certified and approved by the corresponding operating system platform vendor.
- The operating system running in the virtual machine is officially certified by SAP.
- The real hardware resources within the virtualization system are properly sized according to the virtualization system vendor's recommendation and properly managed so that it is not overloaded with other virtualized systems.

Note: If SAP is unable to reproduce an issue, the customer may be asked to reproduce the problem running natively on the certified operating system, without the use of a virtualization system.

SAP does not guarantee the performance for any SAP products running on virtual machines.

Tested Virtualization Environments

SAP Mobile Platform is tested on virtualization system environments hosted on the following VMWare software versions:

- VMWare WorkStation 8.0.0
- VMWare ESX Server 5.0.0
- VMWare ESX Server 4.1.0
- VMWare ESX Server 4.0.0

Each of the above virtualization system environments has been tested with the following Microsoft Windows operating systems:

- Windows Server 2008 R2 (64-bit)
- Windows 7 Enterprise Edition (64-bit)
- Windows XP Professional (64-bit)
- Windows XP Professional (32-bit)

SAP Mobile Platform Runtime Requirements

Host systems must be provisioned to meet SAP Mobile Platform Runtime requirements before installing SAP Mobile Platform Runtime components. Some components require the installation of third-party software.

SAP Mobile Server Requirements

Each SAP Mobile Server host must meet the requirements for operating system, hardware, and available disk space.

Note: You can install the SAP Mobile Platform Enterprise Server Edition only on 64-bit operating systems. You can install the Personal Development Server and Enterprise Development Server Editions on either 32-bit or 64-bit operating systems.

Table 3. Host Operating System

Operating System	Service Pack
Microsoft Windows XP; Professional (32-bit only)	SP2, SP3

Operating System	Service Pack
Microsoft Windows Vista; Business, Enterprise, or Ultimate	SP2
Microsoft Windows 7; Professional, Enterprise, or Ultimate	SP1
Microsoft Windows Server 2003; Standard or Enterprise	SP2
Microsoft Windows Server 2008; Standard or Enterprise	SP2
Microsoft Windows Server 2008 R2; Standard or Enterprise	SP1

Table 4. Hardware (Minimum)

CPU	RAM
Intel Core 2 Duo processor running at 2GHz or higher, or equivalent AMD processor	4GB

Table 5. Disk Space for Installation Only (Minimum)

Component	Required Space
SAP Mobile Server	1200MB

Data Tier Requirements

Each data tier host must meet the requirements for operating system, hardware, and available disk space.

Note: You can install the SAP Mobile Platform Enterprise Server Edition only on 64-bit operating systems. You can install the Personal Development Server and Enterprise Development Server Editions on either 32-bit or 64-bit operating systems.

Table 6. Host Operating System

Operating System	Service Pack
Microsoft Windows XP; Professional (32-bit only)	SP2, SP3
Microsoft Windows Vista; Business, Enterprise, or Ultimate	SP2
Microsoft Windows 7; Professional, Enterprise, or Ultimate	SP1
Microsoft Windows Server 2003; Standard or Enterprise	SP2
Microsoft Windows Server 2008; Standard or Enterprise	SP2

Operating System	Service Pack
Microsoft Windows Server 2008 R2; Standard or Enterprise	SP1

Table 7. Hardware (minimum)

CPU	RAM
Intel Core 2 Duo processor running at 2GHz or higher, or equivalent AMD processor	4GB

Table 8. Disk Space for Installation Only (minimum)

Component	Required Space
Data tier servers The required space increases as users, applications, and user data are added.	720MB

System Landscape Directory Requirements

The System Landscape Directory (SLD) host must be compatible with specific SAP® products. SLD is a central repository of system landscape information used to manage the software life cycle when SAP Mobile Platform is deployed as part of a larger SAP® landscape. SAP Mobile Platform must be registered with the SLD to be recognized by the SAP system.

- SAP® NetWeaver 7.0 (2004s) SP7 or higher

Relay Server Requirements

Each Relay Server host must meet the requirements for operating system, hardware, and available disk space.

Table 9. Version Requirements for SAP Mobile Platform

Relay Server Version	Support
Relay Server 12.0.1, EBF version 3797	Binaries and documentation included on SAP Mobile Platform Runtime installation media
SAP Hosted Relay Service 12.0.1	Supported only for development and test environments

Note: SAP Hosted Relay Service requires no local system resources.

Table 10. Host Operating System

Operating System	Service Pack
Microsoft Windows Server 2003	SP2
Microsoft Windows Server 2008	SP2
Microsoft Windows Server 2008 R2	SP1
Red Hat Enterprise Linux 5 <ul style="list-style-type: none"> 32-bit Kernel 2.6.18-8.el5 64-bit Kernel 2.6.18-92.1.1.el5 	

Table 11. Web Server Platform

Web Server	Version	Tested Version
Microsoft Internet Information Services (IIS) on Microsoft Windows	6.0, 7.0, 7.5 (32- and 64-bit)	6.0 (32- and 64-bit), 7.0 and 7.5 (64-bit)
Apache HTTP Server on RedHat Enterprise Linux 5	2.2.x (32-bit), 2.2.x (32- and 64-bit)	2.2.8 (32-bit), 2.2.15 (64-bit)

Table 12. Hardware (minimum)

CPU	RAM
1 or more CPUs, 2GHz or higher	2GB

Table 13. Disk Space (minimum)

Component	Required Space
Relay Server 12.0.1	10MB

SAP Control Center Requirements

Each host used as a SAP Control Center client must have the required third-party applications installed. SAP Control Center is supported on Windows only.

Table 14. SAP Control Center

Software	Version
Adobe Flash Player	10.1 or later, 11.x
Internet Explorer	<ul style="list-style-type: none"> • 6.0 (32-bit only) • 7.0 (32-bit only) • 8.0 (32- and 64-bit) • 9.0 (32- and 64-bit) <p>64-bit versions of Internet Explorer 8.0 and 9.0 support only Adobe Flash Player 11.x.</p>

If Adobe Flash Player is not installed when you connect to a SAP Control Center server, you may see a message with a link to "Get Flash."

If an outdated version of Adobe Flash Player is installed, you may see a blank page in the browser.

SAP Mobile Platform 2.2 installation media includes an installer for Adobe Flash Player in the top-level 3rdParty folder.

Supported Afaria Versions

Each Afaria® server host must meet the requirements for operating system, hardware, and available disk space. See the Afaria documentation for system requirements.

SAP Mobile Platform supports Afaria Server 7 SP1, Hot Fix 8.

BlackBerry Enterprise Server Requirements

Each RIM BlackBerry Enterprise Server (BES) must meet the requirements for operating system, hardware, and available disk space. See the RIM BES documentation for system requirements.

Supported BES Versions

SAP Mobile Platform supports:

- BlackBerry Enterprise Server v5.0
- BlackBerry Enterprise Server v4.1

Network Communication and Push Notifications

Devices are required to be paired with a BES and have the BlackBerry MDS transport enabled to allow connection with the SAP Mobile Platform Runtime and to receive push notifications.

Certified LDAP Servers

LDAP servers certified for use with SAP Mobile Platform.

- Microsoft Windows Server 2008 R2 Active Directory
- OpenDS 2.2 Update 1

Supported LoadRunner Versions

LoadRunner must meet the requirements for integration with SAP Mobile Platform LoadRunner Extension.

Supported LoadRunner Versions

- LoadRunner 11.0

Supported LoadRunner License Types

- C# script type (Microsoft.NET protocol) license
- Evaluation (10-day trial) license

Note: The LoadRunner evaluation (trial) version is supported for 10 days. This version also supports the C# script type (Microsoft.NET protocol) license, but with a limitation of 25 virtual users. After the evaluation period has expired, you must obtain a full license.

Supported Introscope Enterprise Manager Versions

Introscope Enterprise Managers must meet the requirements for integration with Introscope Agents installed with SAP Mobile Platform.

Introscope Enterprise Managers are components of the SAP Solution Manager that communicate with Introscope Agents provided in the SAP Mobile Platform installation.

The Introscope Agents provided in the SAP Mobile Platform installation support Introscope Enterprise Manager versions 9.1.x or higher.

Supported SAP Solution Manager Versions

SAP Solution Manager, used to provide monitoring and support for all SAP products in your landscape, must meet the requirements for and be appropriately configured to integrate with SAP Mobile Platform.

SAP Solution Manager version that supports SAP Mobile Platform:

- SAP Solution Manager 7.1 SP08
- SAP Solution Manager 7.1 SP5 (when applying *SAP Note 1762741: Setup for SUP 2.2 with Solution Manager 7.1 SP05*)

You must be an SAP customer to take advantage of the support provided by SAP Solution Manager. Documentation for SAP Solution Manager is provided at *SAP Solution Manager Setup*. For specific SAP Mobile Platform integration information, see *Sybase Unwired Platform 2.2*.

CTS Requirements

To use the SAP Change and Transport System (CTS) to transport SAP Mobile Platform development artifacts, your landscape must include components that interact with SAP Mobile Platform components.

Note: The documented CTS procedures reflect the user interface for SAP Solution Manager 7.1 SP05 with the CTS_PLUG 200 SP02 version of the CTS+ plug-in.

Table 15. Transport Management System Landscape Requirements

Component	Version
SAP Mobile Platform	2.2 or higher
SAP Solution Manager installed on a Windows machine	Either: <ul style="list-style-type: none"> • 7.01 SP28 or later, or • 7.1

Component	Version
CTS plug-in installed on the SAP Solution Manager, with Solution Manager used as the CTS Domain Controller	<p>From SL Toolset 1.0 SP05 or later. Always use the most current CTS plug-in.</p> <p>Implement SAP Note <i>1682508</i> (login required) on the host of the CTS+ Deploy Web Service. On the SAP help portal, see:</p> <p>http://help.sap.com/saphelp_ctsplug20sm71/helpdata/en/2b/326d6274134cea8b217f24889d19c1/frameset.htm</p> <p>Note: Access to SAP Service Notes requires an account on the SAP Service Marketplace. If you do not have an SAP Service Marketplace account, use the SAP help portal link to access the newest CTS plug-in.</p>

Virtual Machine Support for SAP Mobile Platform Runtime

View information about support for SAP Mobile Platform running in virtualization system environments.

SAP supports SAP Mobile Platform running in a virtualization system environment if:

- The virtualization system environment is officially certified and approved by the corresponding operating system platform vendor.
- The operating system running in the virtual machine is officially certified by SAP.
- The real hardware resources within the virtualization system are properly sized according to the virtualization system vendor's recommendation and properly managed so that it is not overloaded with other virtualized systems.

Note: If SAP is unable to reproduce an issue, the customer may be asked to reproduce the problem running natively on the certified operating system, without the use of a virtualization system.

SAP does not guarantee the performance for any SAP products running on virtual machines.

Tested Virtualization Environments

SAP Mobile Platform is tested on virtualization system environments hosted on the following VMWare software versions:

- VMWare WorkStation 8.0.0
- VMWare ESX Server 5.0.0
- VMWare ESX Server 4.1.0

Supported Enterprise Information Systems and Databases

- VMWare ESX Server 4.0.0

Each of the above virtualization system environments has been tested with the following Microsoft Windows operating systems:

- Windows Server 2008 R2 (64-bit)
- Windows 7 Enterprise Edition (64-bit)
- Windows XP Professional (64-bit)
- Windows XP Professional (32-bit)

Supported Enterprise Information Systems and Databases

SAP Mobile Platform supports connections to several types of Enterprise Information Systems and databases, which serve as the back end for mobile applications.

SAP Applications

- SAP Mobile WorkSpace (design-time) – SAP® Java Connector (SAP JCo) 3.0.7
- SAP Mobile Server (runtime) – SAP Java Connector (SAP JCo) 3.0.9
- SAP NetWeaver Gateway 2.0 (with Native OData SDK applications only)
- SAP Data Orchestration Engine (with Mobile Gateway 1.1 SP06)

Web Services

- WS-I Basic Profile 1.1
- RESTful services, XML over HTTP(S) only

Java Database Connectivity (JDBC)

- SQL Anywhere® 11.x, 12.x
- Adaptive Server® Enterprise 12.5.x, 15.x
- Microsoft SQL Server 2005, 2008
- Oracle 10g, 11g
- IBM DB2 UDB 9.1

Index

A

- Afaria, supported versions 18
- Agentry Applications, supported versions 12
- Agentry Editor
 - Eclipse versions 2
- Android, supported versions
 - Agentry Applications 13
 - HTML5/JS Hybrid Apps 10
 - Object API 3
 - OData SDK 7
- Apple, supported versions
 - Agentry Applications 12
 - HTML5/JS Hybrid Apps 8
 - Object API 2
 - OData SDK 6
- application development environments, supported 2

B

- BlackBerry Enterprise Server 18
- BlackBerry, supported versions
 - HTML5/JS Hybrid Apps 11
 - Object API 5
 - OData SDK 8

C

- CTS
 - landscape requirements 20

D

- data tier requirements 15
- databases, supported 22
- disk space requirements
 - data tier 15
 - Relay Server 16
 - SAP Mobile SDK 1
 - Unwired Server 14

H

- HTML5/JS Hybrid apps, supported versions 8

L

- LDAP servers, certified 19
- LoadRunner 19

M

- Microsoft Windows
 - operating system requirements 14, 15
- Microsoft Windows, supported versions
 - Object API 5
- mobile device platforms, supported 2

O

- Object API applications, supported versions 2
- OData SDK applications, supported versions 6

R

- Relay Server
 - disk space requirements 16
 - system requirements 16

S

- SAP connectors, supported 22
- SAP Mobile SDK requirements 1
- SAP Solution Manager 20
- Sybase Control Center requirements 18
- system requirements
 - CTS with SAP 20
 - data tier 15
 - Relay Server 16
 - SAP Mobile SDK 1
 - SAP SAP Mobile Workspace 1
 - Sybase Control Center client 18
 - Unwired Server 14

T

- transport management system
 - landscape requirements 20

Index

U

Unwired Platform runtime requirements 14

Unwired Server requirements 14

W

Web services, supported 22

Windows Mobile, supported versions

 Agentry Applications 12

 HTML5/JS Hybrid Apps 11

 Object API 4

Windows, supported versions

 Agentry Applications 13