SYBASE®
An SAP® Company

Supported Hardware and Software

Sybase Unwired Platform 2.2 SP03

DOCUMENT ID: DC01699-01-0223-01
LAST REVISED: April 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

Sybase Mobile SDK Requirements 1
Mobile SDK System Requirements 1
Supported Platforms and Development Environments 2
Object API Applications – Supported Versions 2
OData SDK Applications—Supported Versions 5
HTML5/JS Hybrid Apps—Supported Versions 8
REST SDK Applications 11
Virtual Machine Support for Mobile SDK 13
Unwired Platform Runtime Requirements 14
Unwired Server Requirements 14
Data Tier Requirements 15
System Landscape Directory Requirements 16
Relay Server Requirements 16
Sybase Control Center Requirements 17
Supported Afaria Versions 18
BlackBerry Enterprise Server Requirements 18
Certified LDAP Servers 18
Supported LoadRunner Versions 18
Supported Introscope Enterprise Manager Versions 19
Supported SAP Solution Manager Versions 19
CTS Requirements 20
Virtual Machine Support for Unwired Platform Runtime 20
Supported JDK Versions 21
Supported Enterprise Information Systems and Databases 21
Index 23

Sybase Mobile SDK Requirements

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

Mobile SDK System Requirements

Each Sybase 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 Sybase Mobile SDK: 1.4GB

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 10.7 (Lion)
- Xcode 4.5.x
- iOS SDK 6.0

Supported Device Operating Systems

- Apple iOS 6.1
- 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
- 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 Sybase:

- iPhone 5 on Apple iOS 6.0

- iPhone 4 on Apple iOS 5.1
- 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
- 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 Sybase: 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 Unwired 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 Unwired 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 Sybase: 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 4.5, 4.3, 4.3.2, and 4.3.1
- iOS SDK 6.0 and 5.x

Supported Device Operating Systems

- Apple iOS 6.1
- 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 Sybase:

- 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 6.0.1
- iPad 2 on Apple iOS 6.0
- iPad 2 on Apple iOS 5.1
- iPad on Apple iOS 5.0

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 Sybase:

- 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 Unwired 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 Sybase:

- 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) and 10.7 (Lion)
- Xcode 4.5.x, 4.4.x, and 4.3.x
- iOS SDK 6.0 and 5.x

Supported Device Operating Systems

- Apple iOS 6.1
- 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 Sybase:

- iPhone 5 on Apple iOS 6.0

- 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 A5X chip on Apple iOS 6.0
- iPad with Retina Display and A5X chip on Apple iOS 5.1
- iPad 2 on Apple iOS 6.0
- 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 Sybase:

- 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 Sybase Unwired Platform 2.2, customization of the Windows Mobile Hybrid Web Container using Microsoft Visual Studio 2008 is supported.

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 Sybase:

- 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 Unwired 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 Sybase:

- 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.

REST SDK Applications

You can build native REST SDK applications on the platforms that support native application development environments over HTTPS.

Apple iOS Versions for REST SDK

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

Supported Application Development Environments

Supported Device Operating Systems

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

Supported Hardware

The recommended minimum hardware configuration is:

- iPhone 3GS

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 Sybase:

- iPhone 5 on Apple iOS 5.0
- iPhone 4S on Apple iOS 6.1.x
- iPhone 3GS on Apple iOS 5.1
- iPad Mini on Apple iOS 6.0.1
- iPad on Apple iOS 5.1

Google Android Versions for REST 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
- Android 3.2
- Android 2.2

Tested Devices

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

- Samsung Galaxy S3 (GT-I9300) on Android 4.0.4
- Samsung Galaxy S3 on Android 4.1
- Samsung Galaxy Tab (GT-P7500) on Android 3.2
- Samsung Galaxy S (GT-I9000) on Android 2.2

Virtual Machine Support for Mobile SDK

View information about support for Sybase Unwired Platform running in virtualization system environments

Sybase supports Sybase Unwired 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 Sybase.
- 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 Sybase 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.

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

Tested Virtualization Environments

Sybase Unwired 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)

Unwired Platform Runtime Requirements

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

Unwired Server Requirements

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

Note: You can install the Sybase Unwired 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
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
Unwired 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 Sybase Unwired 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
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 Sybase Unwired Platform is deployed as part of a larger SAP® landscape. Sybase Unwired 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 Sybase Unwired Platform

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

Note: Sybase 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 • 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

Sybase Control Center Requirements

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

Table 14. Sybase Control Center

Software	Version
Adobe Flash Player	10.1 or later, 11.x
Internet Explorer	• 6.0 (32-bit only) • 7.0 (32-bit only) • 8.0 (32- and 64-bit) • 9.0 (32- and 64-bit) 64-bit versions of Internet Explorer 8.0 and 9.0 support only Adobe Flash Player 11.x.

If Adobe Flash Player is not installed when you connect to a Sybase 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.

Sybase Unwired 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.

Sybase Unwired 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

Sybase Unwired 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 Unwired Platform Runtime and to receive push notifications.

Certified LDAP Servers

LDAP servers certified for use with Sybase Unwired Platform.

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

Supported LoadRunner Versions

LoadRunner must meet the requirements for integration with Sybase Unwired 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 Sybase Unwired Platform.

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

The Introscope Agents provided in the Sybase Unwired 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 Sybase Unwired Platform.

SAP Solution Manager version that supports Sybase Unwired 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 Sybase Unwired Platform integration information, see *Sybase Unwired Platform 2.2*.

CTS Requirements

To use the SAP Change and Transport System (CTS) to transport Sybase Unwired Platform development artifacts, your landscape must include components that interact with Unwired 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
Sybase Unwired Platform	2.2 or higher
SAP Solution Manager installed on a Windows machine	Either: • 7.01 SP28 or later, or • 7.1
CTS plug-in installed on the SAP Solution Manager, with Solution Manager used as the CTS Domain Controller	From SL Toolset 1.0 SP05 or later. Always use the newest available CTS plug-in. Implement SAP Note *1682508* on the host of the CTS+ Deploy Web Service. On the SAP help portal, see: *http://help.sap.com/saphelp_ctsplug20sm71/helpdata/en/2b/326d6274134cea8b217f24889d19c1/frameset.htm*

Virtual Machine Support for Unwired Platform Runtime

View information about support for Sybase Unwired Platformrunning in virtualization system environments.

Sybase supports Sybase Unwired 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 Sybase.
- 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 Sybase 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.

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

Tested Virtualization Environments

Sybase Unwired 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)

Supported JDK Versions

The JDK Version provided with installation is supported.

All Unwired Platform Java components, including the Unwired Platform Management API, require JDK Version 6 Update 31, which is provided with the installation.

Supported Enterprise Information Systems and Databases

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

SAP Applications

- Sybase Unwired WorkSpace (design-time) – SAP® Java Connector (SAP JCo) 3.0.7
- Unwired 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)

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
Android, supported versions
    HTML5/JS Hybrid Apps 9
    Object API 3
    OData SDK 6, 12
Apple, supported versions
    HTML5/JS Hybrid Apps 8
    Object API 2
    OData SDK 5, 12
application development environments, supported 2

B

BlackBerry Enterprise Server 18
BlackBerry, supported versions
    HTML5/JS Hybrid Apps 11
    Object API 4
    OData SDK 7

C

CTS
    landscape requirements 20

D

data tier requirements 15
databases, supported 21
disk space requirements
    data tier 15
    Relay Server 16
    Sybase Mobile SDK 1
    Unwired Server 14

H

HTML5/JS Hybrid apps, supported versions 8

L

LDAP servers, certified 18
LoadRunner 18

M

Microsoft Windows
    operating system requirements 14, 15
Microsoft Windows, supported versions
    Object API 4
mobile device platforms, supported 2

O

Object API applications, supported versions 2
OData SDK applications, supported versions 5, 11

R

Relay Server
    disk space requirements 16
    system requirements 16

S

SAP connectors, supported 21
SAP Solution Manager 19
Sybase Control Center requirements 17
Sybase Mobile SDK requirements 1
system requirements
    CTS with SAP 20
    data tier 15
    Relay Server 16
    Sybase Control Center client 17
    Sybase Mobile SDK 1
    Sybase Sybase Unwired WorkSpace 1
    Unwired Server 14

T

transport management system
    landscape requirements 20

U

Unwired Platform runtime requirements 14

Unwired Server requirements 14

W

Web services, supported 21
Windows Mobile, supported versions
    HTML5/JS Hybrid Apps 10
    Object API 3