



IBM Software Group

# IBM WebSphere Remote Server

## *Overview*



@business on demand.

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This presentation is an overview of the IBM WebSphere® Remote Server.

## What is WebSphere Remote Server?

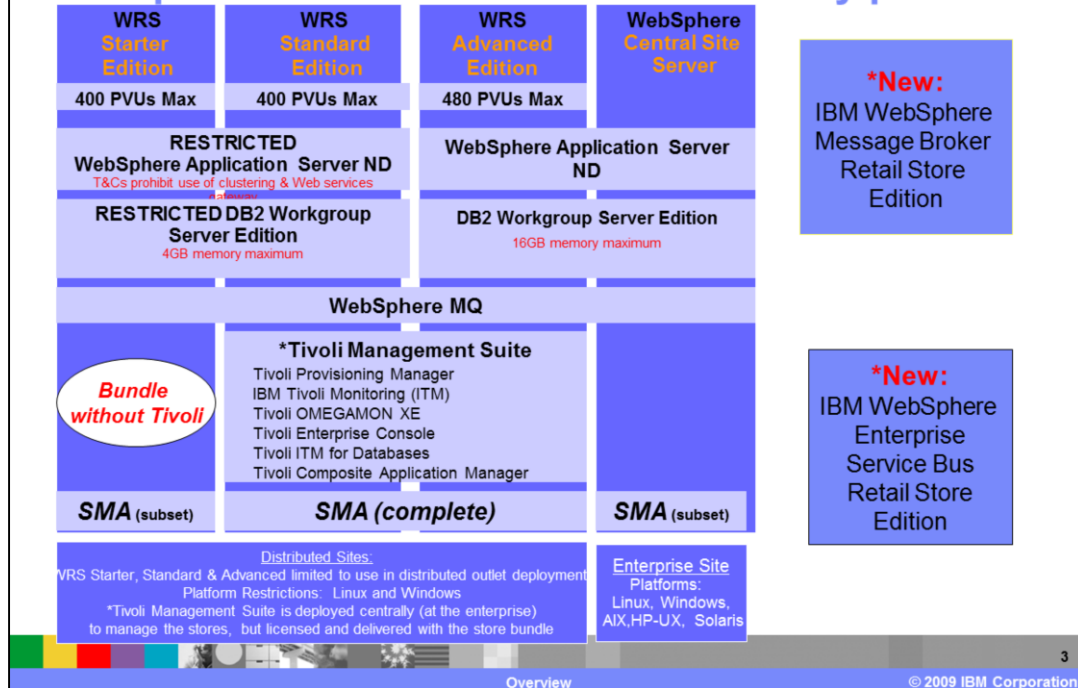
- A bundle of IBM software products from across three IBM Software Group brands pre-tested, delivered and supported as a single product
- Enhanced ease of use for the multi-brand stack (deployment and management accelerators)
- A core component of the Retail Integration Framework
- Price optimized for distributed outlets (volume purchases)



WebSphere Remote Server is a bundle of IBM software products that includes DB2<sup>®</sup> Workgroup Server Edition or Informix<sup>®</sup> Dynamic Server Workgroup Edition, WebSphere Application Server Network Deployment, WebSphere MQ, WebSphere sMash, WebSphere Message Broker, WebSphere Enterprise Service Bus, and various Tivoli<sup>®</sup> products. Restrictive licensing terms allow for a price that is optimized for high volume purchases for distributed outlets.

Systems Management Accelerators are included that simplify the installation. The bundle can be installed as a single product using the Systems Management Accelerators. The Systems Management Accelerators are packaged on separate DVDs that are included in WebSphere Remote Server along with the CDs and DVDs for the individual software products.

## WebSphere Remote Server V6.2.1\* family portrait



WebSphere Remote Server version 6.2.1 has six offerings: WebSphere Remote Server Starter Edition, WebSphere Remote Server Standard Edition, WebSphere Remote Server Advanced Edition, WebSphere Central Site Server, WebSphere Message Broker Retail Store Edition, and WebSphere Enterprise Service Bus Retail Store Edition.

This chart shows each of the offerings, what is included in the offerings, and restrictions imposed on the offerings. Working from Left to Right, first is Starter Edition.

Starter Edition is restricted to machines with not more than 400 Processor Value Units (PVUs) and not more than four GB of memory.

WebSphere Application Server Network Deployment is restricted to the functionality provided in WebSphere Application Server Express Edition.

Tivoli products are not included in Starter Edition.

A subset of the Systems Management Accelerators (SMA) is included.

Those Systems Management Accelerators that provide enhancements to Tivoli product features are not included.

Next is Standard Edition.

Standard Edition has the same restrictions as Starter Edition, but it includes Tivoli products and the complete set of Systems Management Accelerators.

Next is Advanced Edition.

Advanced Edition ups the PVU restriction to a maximum of 480 Processor Value Units.

The WebSphere Application Server Network Deployment restrictions are lifted and the memory limit is raised to 16GB.

The Tivoli products are included along with the complete set of Systems Management Accelerators.

Starter, Standard and Advanced editions are limited to deployments in distributed outlets.

Next is WebSphere Central Site Server.

WebSphere Central Site Server is intended for the Enterprise or Back office and therefore does not receive the same high volume discount or same the licensing restrictions as the other editions.

Note the Tivoli products are deployed centrally at the enterprise, but are delivered in the Standard and Advanced editions.

Next, on the far right you see IBM WebSphere Message Broker Retail Store and IBM WebSphere Enterprise Service Bus Retail Store Editions. These are not bundles.

They are the individual products WebSphere Message Broker and WebSphere Enterprise Service Bus with special pricing and licensing terms and conditions for use in retail stores.

They can be purchased separately with or without purchasing any of the WebSphere Remote Server bundled editions.

## WebSphere Remote Server V7.0 family portrait



WebSphere Remote Server version 7.0 has two offerings.

IBM Retail Store Server Starter Edition and IBM Retail Store Server Starter Edition with Informix Dynamic Server.

The difference between the two offerings is that one has DB2 Workgroup Server Edition and the other has Informix Dynamic Server Workgroup Edition.

These offerings contain new versions of the software products found in WebSphere Remote Server V6.2.1 Starter Edition.

Both offerings have the same restrictions as the starter edition of version V6.2.1.

As in WebSphere Remote Server V6.2.1, these “starter editions” do not include Tivoli products.

## New features in WebSphere Remote Server V7.0

- Updated software products
- Added new product WebSphere sMash
- "À la carte" installation available using the Systems Management Accelerators GUI
- Migration from WebSphere Remote Server versions V6.1 and V6.2
- Upgrade to IBM Support Assistant V4.1



The software products that were included in WebSphere Remote Server V6.2 are upgraded to new versions or new fix packs.

In addition a new product is added, WebSphere sMash, that can be used to develop and serve Web applications.

The Systems Management Accelerators solution installation has been enhanced to allow a la carte installation.

In WebSphere Remote Server V6.2, a la carte installation was only provided in silent mode or by using the product media of each individual software product.

Migration is supported for the previous two releases, which means you can use the Systems Management Accelerators to migrate from WebSphere Remote Server versions 6.1 and 6.2

When you need support, WebSphere Remote Server has upgraded to the latest available version of IBM Support Assistant which is available from the WebSphere Remote Server support Web page.

## Updated software

Product	WebSphere Remote Server V6.2	WebSphere Remote Server V7.0
DB2	9.5	9.5.0.3a
WebSphere MQ	6.0.2.3	7.0.0.1
WebSphere Application Server Network Deployment	6.1.0.13	7.0.0.3
Informix Dynamic Server	11.5.xC1*	11.5.xC3
Solution Assembly Toolkit	2.2.1.3	3.1.1.5
WebSphere sMash <b>(New)</b>		1.1.0.1

\* Available in WebSphere Remote Server V6.2 Feature Pack 1



DB2 V9.5 has been upgraded to fix pack 3a in WebSphere Remote Server V7.0.

WebSphere MQ and WebSphere Application Server Network Deployment have been updated to version 7.0.

Informix Dynamic Server, which was previously available to customers of WebSphere Remote Server V6.2 as a feature pack, has been updated with the latest fix pack.

Solution Assembly Toolkit, which is a part of the Systems Management Accelerators and used for installing the IBM software stack has been upgraded to a new release.

And finally, WebSphere sMash V1.1.0.1 was added.

## WebSphere sMash

- For building light weight Web-based applications
- Application is the server
  - ▶ Not dependent upon WebSphere Application Server or IBM HTTP Server
- The IBM Reliable Transport Extension for sMash is also included
  - ▶ Provides lightweight messaging for store applications
- WebSphere Remote Server licensing terms allow you to have four sMash application instances per store.
- For more information see <http://projectzero.org>



WebSphere sMash is a development and execution platform for quickly building agile, Web-based applications.

sMash uses Web 2.0 based dynamic scripting languages, PHP and Groovy, to quickly build simple situational applications.

The IBM Reliable Transport Extension for sMash provides reliable asynchronous queue based messaging between applications.

The sMash project is based on a community driven incubation project, called Project Zero. See [projectzero.org](http://projectzero.org) for details.

## Operating systems supported

<b>WebSphere Remote Server V6.2</b>	<b>WebSphere Remote Server V7.0</b>
SuSE Enterprise Linux® 10.1	SuSE Enterprise Linux 10.1 and 10.2
Windows Server® 2003 SP 1	Windows Server 2003 SP 2
Red Hat Enterprise Linux 5.2 *	Red Hat Enterprise Linux 5.2 and 5.3
Windows XP Pro SP 2 *	Windows XP Pro SP 2 and SP 3
	Windows Server 2008
	Windows Embedded POSReady 2009

\* Supported on WebSphere Remote Server 6.2.1



Supported operating systems.

All operating systems that were supported in WebSphere Remote Server V6.2 are still supported, and support has been added for fix packs for each of those operating systems.

Support for Red Hat Enterprise Linux V5.2 and Windows XP Professional Service Pack 2 was added in WebSphere Remote Server V6.2.1.

In WebSphere Remote Server V7.0, support for two new operating systems was added; Windows Server 2008 and Windows Embedded POSReady 2009.



## Migrations paths

<b>Operating System</b>	<b>WebSphere Remote Server version that can be migrated to 7.0</b>
Windows Server 2003	6.1, 6.2, 6.2.1
SuSE Linux Enterprise Server 10	6.2, 6.2.1
Red Hat Enterprise Linux 5.2	6.2.1
Windows XP Professional SP 2	6.2.1

Migration is supported from the previous two releases of WebSphere Remote Server.

WebSphere Remote Server V6.1 was only supported on Windows Server 2003 and SuSE Linux Enterprise Server V9. This explains why you do not see WebSphere Remote Server V6.1 for operating systems SuSE Linux Enterprise Server V10, Red Hat Enterprise Linux V5.2 and Windows XP Professional Service Pack 2.

## Migration notes

- There are no automated migration options to upgrade to IBM Retail Store Server Starter Edition with Informix Dynamic Server.
- À la carte migration not supported. For example, you cannot migrate DB2 without migrating MQ.
- There is no migration of the WebSphere Remote Server development environment
- Different releases of IBM Solution Assembly Toolkit can coexist.



The Systems Management Accelerators for WebSphere Remote Server V7.0 does not include a migration path to upgrade from WebSphere Remote Server V6.2 Feature Pack 1 which contained Informix Dynamic Server. Migration from WebSphere Remote Server V6.2 Feature Pack 1 requires the use of the individual IBM software product CDs.

While “à la carte” installation is supported for new installations, it is not supported when migrating from previous releases. All products must be migrated to the next release. You cannot mix and match products from one release to the next as that creates an unsupported environment.

The WebSphere Remote Server development environment is not migrated. When you install the development environment from the latest release, it coexists with that of the previous release.

## Support

- WebSphere Remote Server V7.0 uses IBM Support Assistant V4.1
- Log files for all middleware products are packaged into a single .jar file
- Generated .jar file name:
  - ▶ Linux
    - `/opt/IBM/SIF/logs/collectedlogs/archivelogs/hostname_Logs_yymmddhhmm.jar`
  - ▶ Windows
    - `C:\Program Files\IBM\SIF\logs\collectedlogs\archivelogs\hostname_Logs_yymmddhhmm.jar`



Support.

When you contact IBM customer support, you may be directed to download the IBM Support Assistant from the WebSphere Remote Server product support page.

The IBM Support Assistant may be used to collect log files from all of the various installed middleware products into a single jar file.

This chart shows the location of the jar file to be collected.

## More information (information centers)

- <http://publib.boulder.ibm.com/infocenter/wrshelp/v7r0m0/index.jsp>
- <http://publib.boulder.ibm.com/infocenter/db2luw/v9r5/index.jsp>
- <http://publib.boulder.ibm.com/infocenter/idshelp/v115/index.jsp>
- <http://publib.boulder.ibm.com/infocenter/satinfo/v3r1/index.jsp>
- <http://publib.boulder.ibm.com/infocenter/wasinfo/v7r0/index.jsp>
- <http://publib.boulder.ibm.com/infocenter/wmqv7/v7r0/index.jsp>
- <http://publib.boulder.ibm.com/infocenter/wsmashin/v1r1/index.jsp>



The Information Centers contain User guides and other manuals for each of the software products. The links listed are for

WebSphere Remote Server V7.0

DB2

Informix Dynamic Server

Solution Assembly Toolkit

WebSphere Application Server

WebSphere MQ

and WebSphere sMash

## More information (support centers)

- <http://www.ibm.com/software/webservers/remoteserver/support/>
- [http://www.ibm.com/software/data/db2/support/db2\\_9/](http://www.ibm.com/software/data/db2/support/db2_9/)
- <http://www.ibm.com/software/data/informix/support/>
- <http://www.ibm.com/software/webservers/appserv/was/network/>
- <http://www.ibm.com/software/integration/wmq/support/>
- <http://www.ibm.com/software/webservers/smash/support/>



The support centers provide news, software updates, support tools, and documentation for each of the software products. The support centers listed are for

WebSphere Remote Server

DB2

Informix Dynamic Server

WebSphere Application Server Network Deployment

WebSphere MQ

and WebSphere sMash

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