IBM®

Software Product Compatibility Reports

Detailed System Requirements

Product

Rational Development and Test Environment for System z 9.1

Contents

Included in this report

This report can be generated with filters applied to operating system platforms, components, and/or software capabilities. This section reflects how the report was filtered when it was generated.

Legend

- The information about this item is included in this report.

- The information about this item is not included in the report filter.

Platforms

- Linux

Component list

Server

- License Key Server

- Rational Development and Test Environment for System z

Capabilities

Prerequisites

- Installation

Operating Systems

The Operating sysytems section specifies the operating systems that Rational Development and Test Environment for System z 9.1 supports, organized by operating system familiy.

Operating system families

Linux

Component support

- Full
- Partial
- None

Linux

Summary

Operating system	Operating system minimum	Hardware	Bitness	Product minimum	Components	Notes?
OpenSUSE 11.3	Base	x86-64	64-Exploit	9.1	●	Yes
Red Hat Enterprise Linux (RHEL) Server 6	Update 2	x86-64	64-Exploit	9.1	●	No
SUSE Linux Enterprise Server (SLES) 11	SP2	x86-64	64-Exploit	9.1	●	No
openSUSE 11.4	Base	x86-64	64-Exploit	9.1	●	Yes
openSUSE 12.1	Base	x86-64	64-Exploit	9.1	●	Yes
openSUSE 12.2	Base	x86-64	64-Exploit	9.1	●	Yes

OpenSUSE 11.3 x86-64

Legend: ✅ Supported   ❌ Not supported

Component

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Operating System Technology Levels, Current and Future ┈➔

Deployment unit	Component	Bitness	Base	┈➔
Server	License Key Server	64-Exploit	✅ (1)	✅
	Rational Development and Test Environment for System z	64-Exploit	✅ (1)	✅

Red Hat Enterprise Linux (RHEL) Server 6 x86-64

Legend: ✅ Supported   ❌ Not supported

Component

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Operating System Technology Levels, Current and Future ⋯▸

Deployment unit	Component	Bitness	Base	Update 1	Update 2	Update 3	Update 4	Update 5	Update 6	Update 7	⋯▸
Server	License Key Server	64-Exploit	❌	❌	✅	✅	✅	✅	✅	✅	✅
	Rational Development and Test Environment for System z	64-Exploit	❌	❌	✅	✅	✅	✅	✅	✅	✅

SUSE Linux Enterprise Server (SLES) 11 x86-64

Legend: ✅ Supported   ❌ Not supported

Component

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Operating System Technology Levels, Current and Future ⋯⟩

Deployment unit	Component	Bitness	Base	SP1	SP2	SP3	SP4	⋯⟩
Server	License Key Server	64-Exploit	❌	❌	✅	✅	✅	✅
	Rational Development and Test Environment for System z	64-Exploit	❌	❌	✅	✅	✅	✅

openSUSE 11.4 x86-64

Legend: ✅ Supported   ❌ Not supported

Component

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Operating System Technology Levels, Current and Future ⋯>

Deployment unit	Component	Bitness	Base	⋯>
Server	License Key Server	64-Exploit	✅ (1)	✅
	Rational Development and Test Environment for System z	64-Exploit	✅ (1)	✅

openSUSE 12.1 x86-64

Legend: ✅ Supported ❌ Not supported

Component

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Operating System Technology Levels, Current and Future ⋯⟩

Deployment unit	Component	Bitness	Base	⋯⟩
Server	License Key Server	64-Exploit	✅ (1)	✅
	Rational Development and Test Environment for System z	64-Exploit	✅ (1)	✅

openSUSE 12.2 x86-64

Legend: ✅ Supported   ❌ Not supported

Component

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Operating System Technology Levels, Current and Future ⋯>

Deployment unit	Component	Bitness	Base	⋯>
Server	License Key Server	64-Exploit	✅ (1)	✅
	Rational Development and Test Environment for System z	64-Exploit	✅ (1)	✅

Linux Notes

1. This operating system is no longer in service. Please refer to IBM's policy on unsupported operating systems:
   http://www.ibm.com/support/customercare/sas/f/handbook/policies.html#unsupported

Hypervisors

The Hypervisors section specifies the hypervisors that Rational Development and Test Environment for System z 9.1 support.

Component support

⬤ Full

◓ Partial

◯ None

Installable software

Operating System Families

Linux

Linux

Summary

Hypervisor	Product minimum	Components 🗄	Guest operating system restriction?	Notes?
KVM in SUSE Linux Enterprise Server (SLES) 11	9.1	⬤	Yes	No
Red Hat KVM as delivered with Red Hat Enterprise Linux (RHEL) and its RHEV equivalent 6.1	9.1	◓	Yes	Yes
Red Hat KVM as delivered with Red Hat Enterprise Linux (RHEL) and its RHEV equivalent 6.2	9.1	⬤	Yes	No
Red Hat KVM as delivered with Red Hat Enterprise Linux (RHEL) and its RHEV equivalent 6.4	9.1	⬤	Yes	No
Red Hat KVM as delivered with Red Hat Enterprise Linux (RHEL) and its RHEV equivalent 6.5	9.1	⬤	Yes	No

Hypervisor	Product minimum	Components	Guest operating system restriction?	Notes?
VMware ESXi 5.0	9.1	●	Yes	No

KVM in SUSE Linux Enterprise Server (SLES) 11

Legend: ✅ Supported ❌ Not supported

Components

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Hypervisor Maintenance Levels, Current and Future ⋯➔

Deployment unit	Component	11	⋯➔
Server	License Key Server	✅	✅
	Rational Development and Test Environment for System z	✅	✅

Supported Guest Operating Systems

Components	Supported operating systems
All components that this hypervisor supports **Server** • License Key Server • Rational Development and Test Environment for System z	• SUSE Linux Enterprise Server (SLES) 11 SP2 x86-64 • SUSE Linux Enterprise Server (SLES) 11 SP3 x86-64

Red Hat KVM as delivered with Red Hat Enterprise Linux (RHEL) and its RHEV equivalent 6.1

Legend: ✅ Supported ❌ Not supported

Components

Server

✅ Rational Development and Test Environment for System z

❌ License Key Server

Product Support for the Hypervisor Maintenance Levels, Current and Future ⋯➔

Deployment unit	Component	6.1	⋯➔
Server	Rational Development and Test Environment for System z	✅(1)	✅

Supported Guest Operating Systems

Components	Supported operating systems
All components that this hypervisor supports **Server** • Rational Development and Test Environment for System z	• Red Hat Enterprise Linux (RHEL) Server 6 Update 2 x86-64

Red Hat KVM as delivered with Red Hat Enterprise Linux (RHEL) and its RHEV equivalent 6.2

Legend: ✅ Supported ❌ Not supported

Components

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Hypervisor Maintenance Levels, Current and Future ⋯⟩

Deployment unit	Component	6.2	⋯⟩
Server	License Key Server	✅	✅
	Rational Development and Test Environment for System z	✅	✅

Supported Guest Operating Systems

Components	Supported operating systems
All components that this hypervisor supports **Server** • License Key Server • Rational Development and Test Environment for System z	• Red Hat Enterprise Linux (RHEL) Server 6 Update 2 x86-64

Red Hat KVM as delivered with Red Hat Enterprise Linux (RHEL) and its RHEV equivalent 6.4

Legend: ✅ Supported ❌ Not supported

Components

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Hypervisor Maintenance Levels, Current and Future ⋯➔

Deployment unit	Component	6.4	⋯➔
Server	License Key Server	✅	✅
	Rational Development and Test Environment for System z	✅	✅

Supported Guest Operating Systems

Components	Supported operating systems
All components that this hypervisor supports **Server** • License Key Server • Rational Development and Test Environment for System z	• Red Hat Enterprise Linux (RHEL) Server 6 Update 4 x86-64

Red Hat KVM as delivered with Red Hat Enterprise Linux (RHEL) and its RHEV equivalent 6.5

Legend: ✅ Supported ❌ Not supported

Components

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Hypervisor Maintenance Levels, Current and Future ⋯➔

Deployment unit	Component	6.5	⋯➔
Server	License Key Server	✅	✅
	Rational Development and Test Environment for System z	✅	✅

Supported Guest Operating Systems

Components	Supported operating systems
Server • Rational Development and Test Environment for System z	• Red Hat Enterprise Linux (RHEL) Server 6 Update 5 x86-64
Server • License Key Server	• Red Hat Enterprise Linux (RHEL) Server 6 Update 5 x86-64 • SUSE Linux Enterprise Server (SLES) 11 SP3 x86-64

VMware ESXi 5.0

Legend: ✅ Supported   ❌ Not supported

Components

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Hypervisor Maintenance Levels, Current and Future ⋯→

Deployment unit	Component	5.0	⋯→
Server	License Key Server	✅	✅
	Rational Development and Test Environment for System z	✅	✅

Supported Guest Operating Systems

Components	Supported operating systems
Server • License Key Server	• Red Hat Enterprise Linux (RHEL) Server 6 Update 2 x86-64 • Red Hat Enterprise Linux (RHEL) Server 6 Update 4 x86-64 • SUSE Linux Enterprise Server (SLES) 11 SP2 x86-64
Server • Rational Development and Test Environment for System z	• Red Hat Enterprise Linux (RHEL) Server 6 Update 2 x86-64 • Red Hat Enterprise Linux (RHEL) Server 6 Update 4 x86-64 • Red Hat Enterprise Linux (RHEL) Server 6 Update 5 x86-64 • SUSE Linux Enterprise Server (SLES) 11 SP2 x86-64

Components	Supported operating systems
	• SUSE Linux Enterprise Server (SLES) 11 SP3 x86-64

Notes applying to hypervisors on Linux operating systems

1. Red Hat Enterprise Virtualization (KVM/ RHEV-h) 6.1 as delivered with IBM zEnterprise Unified Resource Manager

Prerequisites

The Prerequisites section specifies the capabilities that Rational Development and Test Environment for System z 9.1 requires, and the prerequisite products that can be used to fulfill those capabilities.

Component Support

● Full

◐ Partial

○ None

Capabilities

Installation

Installation

Summary

Prerequisite	Version	Prerequisite minimum	Product minimum	Components	Operating system restrictions?	Notes?
IBM Installation Manager	1.7.3	1.7.3	9.1	●	No	No
	1.7.4	1.7.4	9.1	●	No	No
	1.8	1.8	9.1	●	No	No
	1.8.1	1.8.1	9.1	●	No	No
	1.8.2	1.8.2	9.1	●	No	No
	1.8.3	1.8.3	9.1	●	No	No
	1.8.4	1.8.4	9.1	●	No	No

IBM Installation Manager 1.7.3

Legend: ✅ Supported ❌ Not supported

Components

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Prerequisite Maintenance Levels, Current and Future ⋯→

Deployment unit	Component	1.7.3	⋯→
Server	License Key Server	✅	✅
	Rational Development and Test Environment for System z	✅	✅

IBM Installation Manager 1.7.4

Legend: ✅ Supported ❌ Not supported

Components

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Prerequisite Maintenance Levels, Current and Future ⋯⟩

Deployment unit	Component	1.7.4	1.7.4.1	1.7.4.2	1.7.4.3	1.7.4.4	⋯⟩
Server	License Key Server	✅	✅	✅	✅	✅	✅
	Rational Development and Test Environment for System z	✅	✅	✅	✅	✅	✅

IBM Installation Manager 1.8

Legend: ✅ Supported   ❌ Not supported

Components

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Prerequisite Maintenance Levels, Current and Future ⋯→

Deployment unit	Component	1.8	⋯→
Server	License Key Server	✅	✅
	Rational Development and Test Environment for System z	✅	✅

IBM Installation Manager 1.8.1

Legend: ✅ Supported   ❌ Not supported

Components

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Prerequisite Maintenance Levels, Current and Future ⋯⟩

Deployment unit	Component	1.8.1	⋯⟩
Server	License Key Server	✅	✅
	Rational Development and Test Environment for System z	✅	✅

IBM Installation Manager 1.8.2

Legend: ✅ Supported ❌ Not supported

Components

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Prerequisite Maintenance Levels, Current and Future ⋯→

Deployment unit	Component	1.8.2	1.8.2.1	⋯→
Server	License Key Server	✅	✅	✅
	Rational Development and Test Environment for System z	✅	✅	✅

IBM Installation Manager 1.8.3

Legend: ✅ Supported   ❌ Not supported

Components

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Prerequisite Maintenance Levels, Current and Future ⋯›

Deployment unit	Component	1.8.3	⋯›
Server	License Key Server	✅	✅
	Rational Development and Test Environment for System z	✅	✅

IBM Installation Manager 1.8.4

Legend: ✅ Supported   ❌ Not supported

Components

Server

✅ License Key Server

✅ Rational Development and Test Environment for System z

Product Support for the Prerequisite Maintenance Levels, Current and Future ⋯›

Deployment unit	Component	1.8.4	⋯›
Server	License Key Server	✅	✅
	Rational Development and Test Environment for System z	✅	✅

Hardware

Rational Development and Test Environment for System z 9.1 requires the following hardware, organized by type of hardware, deployment units, or components.

Installable software

Operating System Families

Linux

Linux

Hardware	Components	Requirement	Applicable operating systems
Disk Space	**Server** • License Key Server	10GB of disk space is required.	All supported Linux operating systems
	Server • Rational Development and Test Environment for System z	50GB to 100GB of disk space is required for z/OS. There should also be twice as much disk space available as the total required memory defined for the RD&T instance. For those using the sysplex capability, an additional 54GB of disk space is required to hold the zVM software distribution, the sample system, and to implement the sample configuration that comes with the sysplex capability. Depending on how much software you load into each z/OS system running in a parallel sysplex configuration, you may need up to 220GB per z/OS system.	All supported Linux operating systems
Memory	**Server** • Rational Development and Test Environment for System z	• 2GB to 4GB of RAM required per emulated Central Processor (CP) for z/OS • 1 GB per processor core allocated to Linux • For those using the Sysplex capability, at least 1 GB per coupling facility, depending on the number of structures defined.	All supported Linux operating systems

Hardware	Components	Requirement	Applicable operating systems
	Server • License Key Server	2GB of RAM is required	All supported Linux operating systems
Other Hardware	**Server** • License Key Server • Rational Development and Test Environment for System z	Rational Development and Test Environment for System z requires a USB Hardware Device containing a license key that controls access to all or portions of the program. Neither Rational Development and Test Environment for System z nor any of its components are authorized for use except when the key is made available to the program. The licensee agrees not to tamper with the USB Hardware Device or license key or otherwise attempt to circumvent the access controls implemented by the key. A unique license file must be applied to each USB Hardware Device. A suitable USB port must be available for the USB Hardware Device. Do not use an unpowered USB port expander. In particular, do not install the USB Hardware Device in an unpowered USB port expander.	All supported Linux operating systems
	Server • License Key Server	• The License Key Server must be hosted on 64-bit x86 Intel or compatible hardware. • The License Key Server may not be hosted on zBX hardware. • The hardware must include one or more USB ports. • The product's USB Hardware Device must be attached to an available USB port. • The hardware must be configured to give the License Key Server exclusive use of the USB port where the product's USB Hardware Device is attached.	All supported Linux operating systems
	Server • Rational Development and Test Environment for System z	Hardware platforms supported: • 64-bit x86 Intel or compatible servers • zEnterprise BladeCenter Extension Model 003 hardware (zBX version 3)	All supported Linux operating systems
	Server • Rational Development and Test Environment for System z	For information on zBX systems and the hardware specifications of Model 003, please see the following web site: http://www-03.ibm.com/systems/z/hardware/zenterprise/zbx.html	All supported Linux operating systems
Processor	**Server**	Minimum processor rating: Generation 3 Intel i7 2.6GHz Quad-core or equivalent Processor core requirement:	All supported Linux operating systems

Hardware	Components	Requirement	Applicable operating systems
	• Rational Development and Test Environment for System z	• At least 1 Linux core is required for each set of 3 z/OS cores implemented. • •	
	Server • License Key Server	Minimum processor rating: 2.0GHz or higher Intel Core 2 Duo, Generation 1 Intel i3, or equivalent processor required	All supported Linux operating systems
Storage Hardware	**Server** • Rational Development and Test Environment for System z	Directly attached SCSI tape drives are not supported by Rational Development and Test Environment for System z within any virtualized environment.	All supported Linux operating systems

Packaging list

Rational Development and Test Environment for System z 9.1 includes the
following products:

Co-packaged software

Product name	Capability	Applicable Operating System Families	Notes
Rational License Key Server 8.1.4	Not specified	Linux	No

Co-installed software

No co-installed software products specified.

Glossary

Bitness

Compatibility of the product with the bit version support that is provided by an operating system. Different parts of a product might run on the same operating system but support different application bitness. For example, one part of the product might run only in 32-bit mode, whereas another might support 64-bit tolerate mode.

31: The product or part of the product runs as a 31-bit application in a 31-bit operating environment.

32: The product or part of the product runs as a 32-bit application in a 32-bit operating environment.

64-tolerate: The product or part of the product runs as a 32-bit application in a 64-bit operating environment.

64-exploit: The product or part of the product runs natively as a 64-bit application in a 64-bit operating environment.

Co-packaged

Additional products that are included in the product package.

Co-installed

Additional products that are included in the product package and installed when the product is installed.

Deployment unit

Deployment Structure identifies pieces of a product that can be independently deployed onto one or more machines in a distributed infrastructure.

- The top level of the deployment structure consists of one or more deployment units. There are four possible deployment units that a product might support: Desktop, Server, Agent or client, Mobile.

- Deployment units may be further divided into deployable **components**

Desktop deployment unit: Part of the deployment structure intended for use by a single user, typically installed on the user desktops. Examples of desktop deployment units include development tools, administrative tools, stand-alone business applications.

Server deployment unit: Part of the deployment structure that can provide services to multiple clients, providing the server in a client-server architecture. Examples of server deployment units include application servers, management servers, database servers and server-based business applications.

Agent or client deployment unit: Part of the deployment structure that allows remote connection between software. Examples of agent of client deployment

units include agents in management system that are installed in the same tier as the managed resources, a remote application, or database clients that are installed with the software accessing the remote services.

Mobile deployment unit: Part of the deployment structure intended for use by a single user, typically installed on a mobile device. An example of a mobile deployment unit is a mobile application.

Hypervisor

A virtual machine in which a product can run on a guest operating system.

Limited operating system support

By default, the supported guest operating systems for a product and a hypervisor are the operating systems that are supported by both the product and the hypervisor. If a product restricts support to a subset of these operating systems, this restriction will be indicated by specifying that there is Limited Operating System Support.

Operating system minimum

The minimum operating system maintenance level that is required to run on the product.

Prerequisite minimum

The minimum maintenance level that is required for the prerequisite to work with the product.

Product minimum

The minimum maintenance level that is required for the product to run on the operating system, on an hypervisor, or work with a prerequisite product or supported software.

Supported software minimum

The minimum maintenance level that is required for the supported software to work with the product.

Maintenance Support Release

A Maintenance Support Release is a recommended product level for which support, including defect and security updates, will be provided over a specified period of time.

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