

IBM Rational Developer for System z  
9.0.1

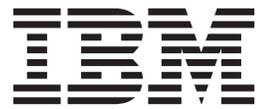
*Prerequisites Guide*





IBM Rational Developer for System z  
9.0.1

*Prerequisites Guide*



**Note**

Before using this information, be sure to read the general information under “Documentation notices for IBM Rational Developer for System z” on page 23.

**Twelfth edition (December 2013)**

This edition applies to IBM Rational Developer for System z Version 9.0.1 (program number 5724-T07) and to all subsequent releases and modifications until otherwise indicated in new editions.

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## About this document

This document discusses the prerequisites and corequisites of IBM® Rational® Developer for System z® Version 9.0.1. The following names are used in this manual:

- IBM Rational Developer for System z is called Developer for System z.
- Software Configuration and Library Manager Developer Toolkit is called SCLM Developer Toolkit.
- z/OS® UNIX System Services is called z/OS UNIX.

For earlier releases, including IBM WebSphere® Developer for System z, IBM WebSphere Developer for zSeries and IBM WebSphere Studio Enterprise Developer, use the requisite information found in the documentation for those releases.

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## Who should use this document

This document is intended for system planners and system administrators installing and configuring IBM Rational Developer for System z Version 9.0.1 on their systems. It has lists of prerequisite software that must be installed and operational before Developer for System z will work. There are also lists of corequisite software to support specific features of Developer for System z. These requisites must be installed and operational at runtime for the corresponding feature to work as designed.



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# IBM Rational Developer for System z Prerequisites Guide



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# Prerequisites and Corequisites

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## Overview

This document includes the following sections:

- “Workstation requisites”
- “z/OS host requisites” on page 6

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## Workstation requisites

IBM Rational Developer for System z (Developer for System z) is a licensed program to support users who wish to write large-scale business applications.

There are prerequisites and corequisites for using this software.

This is the most current listing of the client prerequisites and corequisites and supersedes the requirements listed in the IBM Rational Developer for System z Installation Guide.

The products listed in this section are all available at the time of publication for this manual. See the IBM Software Support Lifecycle Web site (<http://www.ibm.com/software/support/lifecycle/>), to see whether a selected IBM product is still available at the time that you want to use the related Developer for System z function.

The most current listing of prerequisites and corequisites is available in the *Developer for System z Prerequisites Guide* (SC23-7659). This document is available on the IBM Rational Developer for System z Web site library page (<http://www-01.ibm.com/software/rational/products/developer/systemz/library/>) and supersedes the requirements listed in this document.

## Hardware requirements

Verify that you meet the minimum hard disk space requirements to install the product. The following table provides an account of space requirements according to each aspect of the installation process:

Hardware	Requirements
Processor	<ul style="list-style-type: none"><li>• Minimum: 32-bit (x86) core2 duo (or equivalent)</li><li>• Recommended: 64-bit (x64) core2 quad (or equivalent)</li></ul>
Memory	<ul style="list-style-type: none"><li>• Minimum: 3 GB RAM</li><li>• Recommended: 4 GB RAM</li></ul>
Disk space	<ul style="list-style-type: none"><li>• Minimum: 1.5 GB</li><li>• Recommended: 2 GB - 5 GB, depending upon Rational Developer for System z configuration and installation of other bundled software. <b>Note:</b> Solid State Drives (SSDs) might further improve performance.</li></ul>
Display	1024 x 768 resolution  Recommended: 1280 x 1024

## Workstation prerequisites

Before you can install the product, verify that your system meets the software requirements.

### Operating systems

The following operating systems are supported for this product:

Product Name	32-bit	64-bit	PTFs or Service Levels Required
Microsoft Windows XP Professional	yes	no	Service Pack 3 or later
Microsoft Windows Server 2008 R2 Enterprise Edition	no	yes	Service Pack 1 or later
Microsoft Windows Server 2008 R2 Standard Edition	no	yes	Service Pack 1 or later
Microsoft Windows Server 2012 Datacenter Edition	no	yes	All available service recommended
Microsoft Windows Server 2012 Essentials Edition	no	yes	All available service recommended
Microsoft Windows Server 2012 Standard Edition	no	yes	All available service recommended
Microsoft Windows 7 Professional Edition	yes	yes	Service Pack 1 or later
Microsoft Windows 7 Enterprise Edition	yes	yes	Service Pack 1 or later
Microsoft Windows 7 Ultimate Edition	yes	yes	Service Pack 1 or later
Microsoft Windows 8 Professional Edition	yes	yes	All available service recommended
Microsoft Windows 8 Enterprise Edition	yes	yes	All available service recommended
Red Hat Linux Desktop v 6.0	yes	yes	All available service recommended
Red Hat Linux Enterprise Server v 6.0	yes	yes	All available service recommended
SUSE Linux Enterprise Server v 11.0	yes	yes	All available service recommended
SUSE Linux Enterprise Desktop v 11.0	yes	yes	All available service recommended
Ubuntu v 12.04 LTS	yes	yes	All available service recommended

#### Note:

1. Developer for System z language support is dependent on the previously listed operating systems having the base language support.
2. To install Developer for System z in 32-bit mode on Red Hat 6.0, 64-bit edition, the following packages (32-bit libraries) are required:
  - libgtk-x11-2.0.so.0
  - libpk-gtk-module.so
  - libcanberra-gtk-module.so
  - xulrunner.i686

## Hosted Development Environments/Virtualization Support

Product Name	Version	PTFs or Service Levels required
Citrix®	XenApp 6.0	all available maintenance
VMware®	vSphere 4.1 ESXi and vSphere 5 ESXi	all available maintenance

For additional information about Software support services for IBM SWG products in a virtualization environment, see Software support for IBM SWG products in a VMware environment.

## Workstation corequisites

Developer for System z requires the software listed in this section to be installed as a corequisite to installation depending on the Developer for System z functions you select to install.

**Note:** For information about supported database servers, Web application servers, and other software products, see the online help.

### DB2 Connect

To support applications with embedded SQL statements, one of the following levels must be installed:

Program Number	Product Name	PTFs or Service Levels Required
5724-B56	DB2® Connect Personal Edition v 10.1	
5724-B55	DB2 Connect™ Personal Edition v 9.7	

The related product website is:

<http://www-01.ibm.com/software/data/db2/linux-unix-windows/>

### Rational Team Concert

For Jazz-based source control using Developer for System z remote projects, the following level must be installed:

Program Number	Product Name	PTFs or Service Levels Required
5724-V04	Rational Team Concert™ Client for Eclipse 4.2.x IDE v 4.0.3 or higher	

The related product website is:

<http://www-01.ibm.com/software/rational/products rtc/>

### Web Browser

To view the readme files and the installation guide, one of the following web browsers must be installed:

Product Name	PTFs or Service Levels Required
Microsoft Internet Explorer 8.0 or later	all available maintenance

Product Name	PTFs or Service Levels Required
Firefox 10.0 or later	all available maintenance

### Adobe Acrobat Reader

The following software must be installed to properly view product documentation PDFs:

Product Name	PTFs or Service Levels Required
Adobe Acrobat Reader Version 7.0 or later	all available maintenance

### File Manager

The IBM File Manager plug-in for Eclipse is available separately from Rational Developer for System z.

Developer for System z clients rely on the IBM File Manager plug-in for Eclipse to use File Manager services. See

<http://www-01.ibm.com/support/docview.wss?uid=swg24033351>

for instructions about installing the plug-in into Developer for System z and for the latest prerequisites and corequisites for the IBM File Manager server versions.

### Fault Analyzer

The IBM Fault Analyzer plug-in for Eclipse is available separately from Rational Developer for System z.

Developer for System z clients rely on the IBM Fault Analyzer plug-in for Eclipse to use Fault Analyzer services. See

<http://www-01.ibm.com/support/docview.wss?uid=swg24033351>

for instructions about installing the plug-in into Developer for System z.

## User privileges requirements

You must have a user ID that meets the following requirements before you install IBM Rational Developer for System z.

- Your user ID must not contain double-byte characters.
- To install for all users of the system, you must have an ID that belongs to the Administrators group. If you do not have Administrator privileges, you can only install for the current user.

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## z/OS host requisites

The products listed in this section are all available at the time of publication for this manual. See the IBM Software Support Lifecycle Web site (<http://www.ibm.com/software/support/lifecycle/>), to see whether a selected IBM product is still available at the time that you want to use the related Developer for System z function.

The most current listing of prerequisites and corequisites is available in the *Developer for System z Prerequisites Guide* (SC23-7659). This document is available on the IBM Rational Developer for System z Web site library page

(<http://www-01.ibm.com/software/rational/products/developer/systemz/library/>) and supersedes the requirements listed in this document.

## z/OS host prerequisites

Use of IBM Rational Developer for System z requires that you have the following environment with the appropriate prerequisites:

### z/OS

One of the following levels must be installed on the host:

Program Number	Product Name	PTFs or Service Levels Required
5650-ZOS	z/OS v 2.1	<ul style="list-style-type: none"> <li>APAR OA42204 (TSO/ISPF Client Gateway)</li> <li>PTF UA69294</li> </ul>
5694-A01	z/OS v 1.13	ISPF: <ul style="list-style-type: none"> <li>APAR OA39666 (TSO/ISPF Client Gateway)</li> <li>PTF UA65910</li> <li>APAR OA43014 (TSO/ISPF Client Gateway)</li> </ul> TCP/IP: <ul style="list-style-type: none"> <li>APAR PM63379 (Distributed Dynamic VIPA)</li> <li>PTF UK78754</li> </ul>
5694-A01	z/OS v 1.12	ISPF: <ul style="list-style-type: none"> <li>APAR OA39666 (TSO/ISPF Client Gateway)</li> <li>PTF UA65909</li> <li>APAR OA43014 (TSO/ISPF Client Gateway)</li> </ul> TCP/IP: <ul style="list-style-type: none"> <li>APAR PM63379 (Distributed Dynamic VIPA)</li> <li>PTF UK78755</li> </ul>
5694-A01	z/OS v 1.11	ISPF: <ul style="list-style-type: none"> <li>APAR OA38740 (TSO/ISPF Client Gateway)</li> <li>PTF UA65382</li> </ul> TCP/IP: <ul style="list-style-type: none"> <li>None</li> </ul>

Program Number	Product Name	PTFs or Service Levels Required
5694-A01	z/OS v 1.10	ISPF: <ul style="list-style-type: none"> <li>•</li> </ul> APAR OA38740 (TSO/ISPF Client Gateway) PTF UA65381 TCP/IP: <ul style="list-style-type: none"> <li>•</li> </ul> APAR PK74282 (CSM fixed storage growth) PTF UK41810
5694-A01	z/OS v 1.9	ISPF: <ul style="list-style-type: none"> <li>•</li> </ul> APAR OA29489 (TSO/ISPF Client Gateway) PTF UA51687 TCP/IP: <ul style="list-style-type: none"> <li>•</li> </ul> APAR PK74282 (CSM fixed storage growth) PTF UK41812
5694-A01	z/OS v 1.8	ISPF: <ul style="list-style-type: none"> <li>•</li> </ul> APAR OA20345 (nested command output) PTF UA33575 <ul style="list-style-type: none"> <li>•</li> </ul> APAR OA20449 (add NESTMACS support) PTF UA34052 <ul style="list-style-type: none"> <li>•</li> </ul> APAR OA29489 (TSO/ISPF Client Gateway) PTF UA51686 TCP/IP: <ul style="list-style-type: none"> <li>•</li> </ul> APAR PK74282 (CSM fixed storage growth) PTF UK41811

The related product website is:

<http://www-03.ibm.com/systems/z/os/zos/>

**Note:**

1. ISPF APAR AA42204 resolves a known issue in z/OS 2.1 that prevents the Rational Developer for System z TSO functions from working. Apply this APAR if you are installing Rational Developer for System z on z/OS 2.1.
2. Remote (host-based) actions for z/OS UNIX subprojects or RSE z/OS UNIX objects require that the z/OS UNIX version of REXEC or SSH is active on the host.
3. z/OS includes the following components, which need to be installed, configured, and operational:
  - Interactive System Productivity Facility (ISPF)
    - <http://www-01.ibm.com/software/awdtools/ispf/>
  - Language Environment®
    - <http://www-03.ibm.com/servers/eserver/zseries/zos/le/>
  - RACF® or equivalent security product
    - <http://www-03.ibm.com/servers/eserver/zseries/zos/racf/>
  - VTAM® component of IBM Communications Server
    - <http://www-01.ibm.com/software/network/commserver/zos/>
  - IP Services component of IBM Communications Server
    - <http://www-01.ibm.com/software/network/commserver/zos/>
  - Binder
  - APPC (optional)

**Note:**

- APPC is a mandatory prerequisite if the ISPF Client Gateway is not available on your host system.
  - APPC can be replaced by the ISPF Client Gateway functionality that is delivered in ISPF for z/OS 1.10, and available in ISPF for z/OS 1.8 and 1.9 with the appropriate PTFs applied.
4. ISPF Client Gateway APAR OA34735 and more recent APARs are not available for z/OS v 1.8 and v 1.9. Developer for System z runs on z/OS v 1.8 and v 1.9, but the issue that is addressed by APAR OA34735 will not be fixed on those systems.
  5. Releases of z/OS v 1.10 and older are out of support but still function with Developer for System z.

**SMP/E**

In order to install Developer for System z, one of the following levels must be installed:

Program Number	Product Name	PTFs or Service Levels Required
5655-G44	IBM System Modification Program Extended (SMP/E) for z/OS v 3.6	No PTF or Service Level required
5655-G44	IBM System Modification Program Extended (SMP/E) for z/OS v 3.5	No PTF or Service Level required

The related product website is:

<http://www-03.ibm.com/systems/z/os/zos/smpe/>

## SDK for z/OS Java Platform, Technology Edition

In order to support applications that use Remote Systems Explorer (RSE), one of the following levels must be installed on the host:

Program Number	Product Name	PTFs or Service Levels Required
5655-R32	IBM 64-bit SDK for z/OS, Java™ Platform, Technology Edition, v 6.0.1	Latest Service Release
5655-R31	IBM 31-bit SDK for z/OS, Java Platform, Technology Edition, v 6.0.1	Latest Service Release
5655-R32	IBM 64-bit SDK for z/OS, Java Platform, Technology Edition, v 6.0	Latest Service Release
5655-R31	IBM 31-bit SDK for z/OS, Java Platform, Technology Edition, v 6.0	Latest Service Release
5655-W43	IBM 31-bit SDK for z/OS, Java Technology Edition, v 7.0.x	Latest Service Release
5655-W44	IBM 64-bit SDK for z/OS, Java Technology Edition, v 7.0.x	Latest Service Release

The related product website is:

<http://www.ibm.com/servers/eserver/zseries/software/java/>

### z/OS host corequisites

The products listed in this section and other stated software are required to support specific features of IBM Rational Developer for System z. The IBM Rational Developer for System z workstation client can successfully connect and do basic actions without these requisites. However, a stated host requisite must be installed and operational at runtime for the corresponding feature to work as designed.

## z/OS

Program Number	Product Name	PTFs or Service Levels Required
5650-ZOS	z/OS v 2.1	HLASM No PTF or Service Level required  XL C/C++  No PTF or Service Level required  SCLM  No PTF or Service Level required  LE (PL/I)  No PTF or Service Level required  LE (COBOL) •  No PTF or Service Level required  TN3270  No PTF or Service Level required
5694-A01	z/OS v 1.13	HLASM No PTF or Service Level required  XL C/C++  No PTF or Service Level required  SCLM  No PTF or Service Level required  LE (PL/I)  No PTF or Service Level required  LE (COBOL) •  No PTF or Service Level required  TN3270  No PTF or Service Level required

Program Number	Product Name	PTFs or Service Levels Required
5694-A01	z/OS v 1.12	HLASM No PTF or Service Level required XL C/C++ No PTF or Service Level required SCLM No PTF or Service Level required LE (PL/I) No PTF or Service Level required LE (COBOL) • APAR PM00230 (XML parsing) PTF UK61635 TN3270 No PTF or Service Level required
5694-A01	z/OS v 1.11	HLASM No PTF or Service Level required XL C/C++ No PTF or Service Level required SCLM No PTF or Service Level required LE (PL/I) • APAR PM22065 (XML support) PTF UK60604 LE (COBOL) • APAR PM00230 (XML parsing) PTF UK61634 TN3270 No PTF or Service Level required

Program Number	Product Name	PTFs or Service Levels Required
5694-A01	z/OS v 1.10	<p>HLASM</p> <p>No PTF or Service Level required</p> <p>XL C/C++</p> <p>No PTF or Service Level required</p> <p>SCLM</p> <p>No PTF or Service Level required</p> <p>LE (PL/I)</p> <ul style="list-style-type: none"> <li>•</li> </ul> <p style="padding-left: 40px;">APAR PM22065 (XML support) PTF UK60603</p> <p>LE (COBOL)</p> <ul style="list-style-type: none"> <li>•</li> </ul> <p style="padding-left: 40px;">APAR PM00230 (XML parsing) PTF UK61633</p> <p>TN3270</p> <p>No PTF or Service Level required</p>
5694-A01	z/OS v 1.9	<p>HLASM</p> <p>No PTF or Service Level required</p> <p>XL C/C++</p> <p>No PTF or Service Level required</p> <p>SCLM</p> <ul style="list-style-type: none"> <li>•</li> </ul> <p style="padding-left: 40px;">APAR OA27379 (SCLM Search) PTF UA46330 + UA46331, UA46332, UA46333, UA46334 (language-dependent)</p> <p>LE (PL/I)</p> <p>No PTF or Service Level required</p> <p>TN3270</p> <p>No PTF or Service Level required</p>

Program Number	Product Name	PTFs or Service Levels Required
5694-A01	z/OS v 1.8	<p>HLASM</p> <p>No PTF or Service Level required</p> <p>XL C/C++</p> <p>No PTF or Service Level required</p> <p>SCLM</p> <ul style="list-style-type: none"> <li>•</li> </ul> <p>APAR OA21104 (informational build mode) PTF UA35046 + UA35056, UA35057, UA35058, or UA35059 (language-dependent)</p> <ul style="list-style-type: none"> <li>•</li> </ul> <p>APAR OA16924 (enhance SCLMINFO) PTF UA29772 + UA29922, UA29923, UA29924, or UA29925 (language-dependent)</p> <ul style="list-style-type: none"> <li>•</li> </ul> <p>APAR OA16804 (add surrogate userid support) PTF UA33524 + UA33533, UA33534, UA33535, or UA33536 (language-dependent)</p> <p>LE (PL/I)</p> <ul style="list-style-type: none"> <li>•</li> </ul> <p>APAR PK41552 (new PL/I messages for Developer for System z) PTF UK24482 (English) or UK24483 (Japanese)</p> <p>TN3270</p> <p>No PTF or Service Level required</p>

The related product website is:

<http://www-03.ibm.com/systems/z/os/zos/>

**Note:**

1. JES3 v 1.10 or higher is a corequisite for JES3 users who want to use the Job Monitor support for viewing the output of active jobs.
2. High Level Assembler (HLASM) must be installed on the host with the listed service level, in order to compile assembler programs that are developed or edited within Developer for System z.

The related product website is:

<http://www.ibm.com/software/awdtools/hlasm/>

3. The XL C/C++ compiler must be installed on the host with the listed service level, in order to compile C/C++ programs that are developed or edited within Developer for System z.

The related product website is:

<http://www.ibm.com/software/awdtools/czos/>

4. SCLM must be installed on the host with the listed service level, in order to support SCLM Developer Toolkit.

The related product website is:

<http://www.ibm.com/software/awdtools/sclmsuite/sclm/>

**Note:**

- APAR OA16804 is only required if you want to use secure build, promote, and deploy.
  - APAR OA26997 is only required for member security support.
  - APAR OA27379 is only required for member security support or SCLM search functionality.
5. Language Environment must be installed on the host with the listed service level, in order to support Enterprise Service Tools for PL/I.

The related product website is:

<http://www-03.ibm.com/servers/eserver/zseries/zos/le/>

6. TN3270 must be installed on the host with the listed service level in order to support the Host Connect emulator. TN3270 is a part of the IP Services component of IBM Communications Server.

The related product website is:

<http://www-01.ibm.com/software/network/commsserver/zos/>

## COBOL compiler

To compile COBOL programs that are developed or edited within IBM Rational Developer for System z, one of the following levels must be installed on the host:

Program Number	Product Name	PTFs or Service Levels Required
5655-W32	IBM Enterprise COBOL for z/OS v 5.1	No PTF or Service Level required
5655-S71	IBM Enterprise COBOL for z/OS v 4.2	No PTF or Service Level required
5655-S71	IBM Enterprise COBOL for z/OS v 4.1	No PTF or Service Level required
5535-G53	IBM Enterprise COBOL for z/OS v 3.4	APAR PK30798 PTF UK18476

The related product website is:

<http://www.ibm.com/software/awdtools/cobol/zos/>

**Note:** IBM Enterprise COBOL for z/OS v 4.1 is required for Enterprise Service Tools to generate Compiled XML Conversion that uses the XMLSS-based XML PARSE capability in COBOL v 4.1.

## PL/I compiler

To compile PL/I programs that are developed or edited within IBM Rational Developer for System z, one of the following levels must be installed on the host:

Program Number	Product Name	PTFs or Service Levels Required
5655-W67	IBM Enterprise PL/I for z/OS v 4.3	No PTF or Service Level required
5655-W67	IBM Enterprise PL/I for z/OS v 4.2	No PTF or Service Level required
5655-W67	IBM Enterprise PL/I for z/OS v 4.1	No PTF or Service Level required
5655-H31	IBM Enterprise PL/I for z/OS v 3.9	No PTF or Service Level required
5655-H31	IBM Enterprise PL/I for z/OS v 3.8	No PTF or Service Level required
5655-H31	IBM Enterprise PL/I for z/OS v 3.7	No PTF or Service Level required

The related product website is:

<http://www.ibm.com/software/awdtools/pli/plizos/>

## Debug Tool for z/OS

If you do not use the Rational Developer for System z Integrated Debugger for remote debugging, then you need one of the following levels of Debug Tool for z/OS installed on the host to enable remote debugging:

Program Number	Product Name	Programming Language	APARs, PTFs, or Service Levels Required
5655-Q10	IBM Debug Tool for z/OS V13.1	COBOL, PL/I, C/C++, assembler, and additional features	all available maintenance
5655-W70	IBM Debug Tool for z/OS V12.1	COBOL, PL/I, C/C++, assembler, and additional features	all available maintenance
5655-W45	IBM Debug Tool for z/OS V11.1	COBOL, PL/I, C/C++, assembler, and additional features	all available maintenance
5655-V50	IBM Debug Tool for z/OS V10.1	COBOL, PL/I, C/C++, assembler, and additional features	all available maintenance

**Note:** If you do not use the Rational Developer for System z Integrated Debugger to take advantage of Code Coverage support, and you want to use Debug Tool for z/OS for this purpose, then you must use Debug Tool for z/OS v11.1 or higher.

**Note:** If you use Debug Tool for z/OS to take advantage of IMS™ and DB2 debug configurations in Rational Developer for System z, you must use Debug Tool for z/OS V11.1 or higher.

The related product website is:

<http://www.ibm.com/software/awdtools/debugtool/>

## CICS Transaction Server

To support applications with embedded CICS® statements, one of the following levels must be installed:

Program Number	Product Name	PTFs or Service Levels Required
5655-Y04	IBM CICS Transaction Server for z/OS v 5.1	No PTF or Service Level required
5655-S97	IBM CICS Transaction Server for z/OS v 4.2	No PTF or Service Level required
5655-S97	IBM CICS Transaction Server for z/OS v 4.1	No PTF or Service Level required
5697-E93	IBM CICS Transaction Server for z/OS v 3.2	UK34221
5697-E93	IBM CICS Transaction Server for z/OS v 3.1	UK15767, UK15764, UK11782, UK11294, UK12233, UK12521, UK15261, UK15271, UK34221, UK34078

The related product website is:

<http://www.ibm.com/software/htp/cics/tserver/>

### Note:

- The CICS Transaction Server requires additional configuration to work with the debug tool.
- Content assist and real-time syntax checking for embedded CICS statements includes support for IBM CICS Transaction Server for z/OS v 5.1 (program number 5655-Y04).
- The RESTful interface available in CICS Transaction Server v 4.1 or higher is required to support Application Deployment Manager, Service Component Architecture, and Enterprise Service Tools features in IBM Rational Developer for System z v 7.6 or higher.
- CICS Transaction Server v 3.2 or higher is required to support many features of Enterprise Service Tools.

For the complete list of specifics on runtime requirements refer to the Enterprise Service Tools documentation the IBM Rational Developer for System z Information Center at <http://publib.boulder.ibm.com/infocenter/ratdevz/v8r5/index.jsp>.

- CICS Transaction Server v 3.1 with service UK34221 is the minimum for Application Deployment Manager.

## IMS

To support applications using IMS™ database and data communications, one of the following levels must be installed on the host:

Program Number	Product Name	PTFs or Service Levels Required
5635-A04	IBM IMS v 13.1	No PTF or Service Level required
5635-A03	IBM IMS v 12.1	<ul style="list-style-type: none"><li>• APAR PM43645 (for IMS PL/I Top-down support)</li></ul>

Program Number	Product Name	PTFs or Service Levels Required
5635-A02	IBM IMS v 11.1	<ul style="list-style-type: none"> <li>• APAR PM39865 (UK71274) (required for enhancements for IMS connect SOAP faults support and for the XML converter variable maximum segment size support)</li> <li>• APAR PM39747 (required to fix IMS connection 0C4 ABEND in module HWSXMLA0 when using the PL/I top-down converter)</li> <li>• APAR PM11648 (required for the Enterprise Service Tools IMS PL/I Top-down support to function)</li> </ul>
5635-A01	IBM IMS v 10.1	No PTF or Service Level required
5655-J38	IBM IMS v 9.1	No PTF or Service Level required

The related product website is:

<http://www.ibm.com/software/data/ims/ims/>

**Note:**

- IMS requires additional configuration to work with the debug tool.
- Version 10.1 or higher of IMS, IMS Connect, and IMS SOAP Gateway are required for Enterprise Service Tools.

**DB2 for z/OS**

To support DB2, one of the following levels must be installed on the host:

Program Number	Product Name	PTFs or Service Levels Required
5605-DB2	IBM DB2 for z/OS v 10.1	PTF UK91146
5635-DB2	IBM DB2 for z/OS v 9.1	No PTF or Service Level required
5625-DB2	IBM DB2 Universal Database™ for z/OS v 8.1	No PTF or Service Level required

The related product website is:

<http://www.ibm.com/software/data/db2/zos/>

**Rational Team Concert**

For Jazz-based source control using Developer for System z remote projects, the following level must be installed.

Program Number	Product Name	PTFs or Service Levels Required
5724-V04	Rational Team Concert v 4.0.3 or higher	No PTF or Service Level required

The related product website is:

<http://www-01.ibm.com/software/rational/products/rtc/>

## File Manager

The IBM File Manager plug-in for Eclipse uses the File Manager Server to access the File Manager services. See the File Manager host documentation for instructions on installing this server. The related product website is:

<http://www-01.ibm.com/software/awdtools/filemanager/>

## REXX

To use SCLM Developer Toolkit or the improved method of collecting data set statistics, one of the following levels must be installed on the host:

Program Number	Product Name	PTFs or Service Levels Required
5695-014	IBM Library for REXX on zSeries v 1.4	No PTF or Service Level required
5695-014	IBM Library for REXX on zSeries Alternate Library v 1.4.0 (FMIDs HWJ9143, JWJ9144)	No PTF or Service Level required

A version of the REXX/370 Alternate Library is available from the product website:

<http://www.ibm.com/software/awdtools/rexx/rexxzseries/>

## Ported tools

IBM Ported Tools for z/OS must be installed (in z/OS UNIX) to use *sftp* or *scp* to do secure deployment in SCLM Developer Toolkit.

A version of IBM Ported Tools for z/OS is available from the product website:

[http://www-03.ibm.com/servers/eserver/zseries/zos/unix/port\\_tools.html](http://www-03.ibm.com/servers/eserver/zseries/zos/unix/port_tools.html)

## Ant

Apache Ant must be installed (in z/OS UNIX) to do Java EE builds in SCLM Developer Toolkit.

Apache Ant is an open source build tool that is based on Java EE that you can download from the product website:

<http://ant.apache.org/>

## Endevor®

CA Endevor® Software Change Manager Release 14 or later must be installed to use the Developer for System z Interface for CA Endevor® SCM.

CA Endevor® Software Change Manager Release 12 will continue to work, although it is no longer supported. If you have a problem that requires CA support, you will have to upgrade to a later release.

**Note:** The Automated Configuration Manager add-on product for CA Endevor SCM is required for Developer for System z to get a list of dependencies for an

element. Without this list, content assist and other Developer for System z functions are limited. (Automated Configuration Manager is sometimes known as ACM or ASCM.)

CA Endeavor<sup>®</sup> SCM is a product from CA Technologies. The related product website is:

<http://www.ca.com/us/products/product.aspx?ID=259>

### **z/OS Automated Unit Testing Framework**

The IBM z/OS Automated Unit Testing Framework (zUnit) component requires the IBM XML Toolkit for z/OS (V1.10).

The related product website is: <http://www-03.ibm.com/systems/z/os/zos/tools/xml/>.

### **COBOL top-down for IMS synchronous callout**

The EST/XSE batch processor is enhanced to support a limited COBOL top-down for IMS synchronous callout (also known as COBOL top-down):

- Enterprise COBOL Version 4 Release 1 is the minimum level required. Enterprise COBOL Version 4 Release 2 is recommended.
- IMS Version 11 or higher with IMS Connect is required.
- IMS Enterprise Suite SOAP Gateway 2.2 is required.

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## **AIX, Linux on System z, and Intel Linux host prerequisites**

The products listed in this section are all available at the time of publication for this manual. See the IBM Software Support Lifecycle Web site (<http://www.ibm.com/software/support/lifecycle/>), to see whether a selected IBM product is still available at the time that you want to use the related Developer for System z function.

The most current listing of prerequisites and corequisites is available in the *Developer for System z Prerequisites Guide* (SC23-7659). This document is available on the IBM Rational Developer for System z website library page (<http://www-01.ibm.com/software/awdtools/rdz/library/>) and supersedes the requirements listed in this document.

### **AIX host prerequisites**

AIX<sup>®</sup> Host support is provided as part of the Rational Developer for AIX and Linux version 9.0 product. See Rational Developer for AIX and Linux prerequisite information for a list of the supported AIX releases and other necessary software. Note that when Rational Developer for System z and Rational Developer for AIX and Linux are installed in the same package or shell, a perspective is available that allows a user to work with the projects unique to both products in an integrated manner.

### **Linux on System z host prerequisites**

#### **Linux on System z**

One of the following levels must be installed:

Product Name
Red Hat Linux Enterprise Server 6 (s390x)

<b>Product Name</b>
SUSE Linux Enterprise Server 11 (s390x)

**Note:**

Remote (host-based) actions for Linux on System z projects require that REXEC or SSH be active on the host.

The related product website is:

<http://www-03.ibm.com/systems/z/os/linux/>

**SDK for Linux on System z, Java Platform, Enterprise Edition**

To use Remote Systems Explorer (RSE) on Linux on System z, one of the following levels must be installed:

Product Name	Service Levels required
IBM 64 bit Runtime Environment for Linux on System z, Java Platform, Enterprise Edition, Version 7	Latest Service Release
IBM 64 bit Runtime Environment for Linux on System z, Java Platform, Enterprise Edition, Version 6	Latest Service Release

The related product website is:

<http://www.ibm.com/developerworks/java/jdk/linux/>

**Attention:** The 64 bit version is supported.

## Intel Linux host prerequisites

### Intel Linux

One of the following levels must be installed:

<b>Product Name</b>
Red Hat Linux Enterprise 6
SUSE Linux Enterprise Server 11

**SDK for Linux on Intel, Java Platform, Enterprise Edition**

To use Remote Systems Explorer (RSE) on Intel Linux, one of the following levels must be installed:

Product Name	Service Levels required
IBM 32-bit Runtime Environment for Linux on Intel architecture, Java Platform, Enterprise Edition, Version 7	Latest Service Release
IBM 32-bit Runtime Environment for Linux on Intel architecture, Java Platform, Enterprise Edition, Version 6	Latest Service Release

The related product website is:

<http://www.ibm.com/developerworks/java/jdk/linux/>

**Attention:** The 64-bit version is not supported.

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Prerequisites Guide

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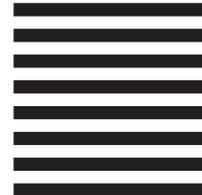
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