

Rational® Developer for System z
Version 7.6.1

Prerequisites Guide



Rational® Developer for System z
Version 7.6.1

Prerequisites Guide



Note

Before using this document, read the general information under Notices.

Fifth edition (May 2010)

This edition applies to IBM Rational Developer for System z Version 7.6.1 (program number 5724-T07) and to all subsequent releases and modifications until otherwise indicated in new editions.

Order publications by phone or fax. IBM Software Manufacturing Solutions takes publication orders between 8:30 a.m. and 7:00 p.m. eastern standard time (EST). The phone number is 800-79-2755. The fax number is 800-445-9269. Faxes should be sent Attn: Publications, 3rd floor.

You can also order publications through your IBM representative or the IBM branch office serving your locality. Publications are not stocked at the address below.

IBM welcomes your comments. You can send your comments by mail to the following address:

IBM Corporation
Attn: Information Development Department 53NA
Building 501 P.O. Box 12195
Research Triangle Park NC 27709-2195.
USA

When you send information to IBM, you grant IBM a nonexclusive right to use or distribute the information in any way it believes appropriate without incurring any obligation to you.

Note to U.S. Government Users Restricted Rights - Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

© Copyright IBM Corporation 2007, 2010.

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

Contents

About this document v

Who should use this document v

Prerequisites and Corequisites. 1

Overview 1

Workstation requisites 1

Hardware requirements. 1

Workstation prerequisites 2

Operating systems 2

Hosted Development Environments/
Virtualization Support 3

Workstation corequisites 3

TXSeries for Multiplatforms 3

DB2 for Windows. 3

Rational Software Architect 4

Rational Team Concert for System z 4

Web Browser 4

Adobe Acrobat Reader 5

User privileges requirements 5

z/OS host requisites. 5

z/OS host prerequisites. 5

z/OS 5

SMP/E 7

SDK for z/OS Java 2 Technology Edition 7

z/OS host corequisites 7

z/OS 8

COBOL compiler 10

PL/I compiler 10

Debug Tool for z/OS 11

CICS Transaction Server 11

IMS 12

DB2 for z/OS. 12

Rational Team Concert for System z 12

File Manager 13

Fault Analyzer 13

REXX 14

Ported tools 14

Ant 14

Endevor 14

AIX, Linux on System z, and Intel Linux host

prerequisites; 14

AIX host prerequisites. 15

AIX 15

SDK for AIX, Java 2 Technology Edition. 15

Linux on System z host prerequisites 15

Linux on System z 15

SDK for Linux on System z, Java 2 Technology

Edition 16

Intel Linux host prerequisites 16

Intel Linux 16

SDK for Linux on Intel, Java 2 Technology

Edition 16

Notices for IBM Rational Developer for System z 17

Index 21

About this document

This document discusses the prerequisites and corequisites of IBM Rational Developer for System z Version 7.6.1. 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.

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 7.6.1 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.

Prerequisites and Corequisites

Overview

This document includes the following sections:

- “Workstation requisites”
- “z/OS host requisites” on page 5

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/awdtools/rdz/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	Intel® Pentium® III 800 MHz or compatible processor is the minimum requirement. A more powerful processor is recommended.
Memory	1.5 GB RAM Recommended: 2 GB RAM

Hardware	Requirements
Disk space	<p>1.1 GB of disk space is required to install the IBM Rational Developer for System z traditional developer role.</p> <p>1.8 GB of disk space, plus 210 MB of temporary space, is required for a full installation of IBM Rational Developer for System z. This includes Installation Manager and IBM Rational Developer for System z.</p> <p>5 GB of disk space is recommended when installing other bundled software.</p> <ul style="list-style-type: none"> • Disk space requirements can be reduced depending on the features that you install. • Additional disk space is required for the resources that you develop. • Additional disk space is required if you download the electronic image to install the product. • Additional disk space is required if you use FAT32 instead of NTFS.
Display	<p>1024 x 768 resolution using 256 colors</p> <p>A higher resolution and color palette is recommended, such as 1280 x 1024.</p>
Other hardware	Microsoft® mouse or compatible pointing device

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	PTFs or Service Levels Required
Microsoft Windows® XP Professional	Service Pack 2
Microsoft Windows Server 2003 Enterprise Edition	Service Pack 1
Microsoft Windows Server 2003 Standard Edition	Service Pack 1
Microsoft Windows Server 2008 Enterprise Edition	No Service Level Required
Microsoft Windows Server 2008 Standard Edition	No Service Level Required
Microsoft Windows Vista Business	No Service Level Required
Microsoft Windows Vista Enterprise	No Service Level Required
Microsoft Windows Vista Ultimate	No Service Level Required
Microsoft Windows 7 Professional Edition	No service level required
Microsoft Windows 7 Enterprise Edition	No service level required
Microsoft Windows 7 Ultimate Edition	No service level required

Notes:

1. Creating Windows COBOL or PL/I binaries using Developer for System z compilers is not supported in Windows 7. Please use another supported operating system in order to take advantage of this functionality.

2. Developer for System z supports the 32 bit edition of all the Windows Operating Systems listed. In addition, Developer for System z supports 32 bit compatability mode of the Windows 7 64 bit editions.
3. Developer for System z language support is dependent on the above listed operating systems having the base language support.
4. Developer for System z was developed for use with Eclipse IDE version 3.4.2 that uses at least version 1.6 of the IBM Java™ Development Kit (JDK). You can only extend an existing Eclipse IDE that meets these requirements.

Hosted Development Environments/Virtualization Support

Product Name	Version	PTFs or Serice Levels required
Windows Terminal Services	Windows 2008 and later	all available maintenance
Citrix® (32 bit and 64 bit)	Presentation Server 4.X	all available maintenance
VMware®	Server version 2.0, Workstation	all available maintenance
VMware®	vSphere 4.0 ESXi	all available maintenance

Note: Developer for System z supports running under the Citrix virtual environment using 64 bit Windows in 32 bit mode compatibility.

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 prerequisite 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.

TXSeries for Multiplatforms

One of the following levels must be installed to support applications with embedded CICS® statements:

Program Number	Product Name	PTFs or Service Levels Required
5655-M15	TXSeries for Multiplatforms v 7.1	all available maintenance
5655-M15	TXSeries for Multiplatforms v 6.2	all available maintenance
5655-M15	TXSeries for Multiplatforms v 6.1	IZ00893

The related product Web site is as follows:

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

DB2 for Windows

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

Program Number	Product Name	PTFs or Service Levels Required
5765-F35	DB2 [®] Workgroup Server Edition v 9.5	Fix pack 3a or higher
5724-B55	DB2 Connect Personal Edition v 9.5	Fix pack 3
5765-F41	DB2 Enterprise Server Edition v 9.5 for Windows	Fix pack 3a or higher

The related product Web site is:

<http://www.ibm.com/software/data/db2/9/>

Note: DB2 Workgroup Server Edition v9.5 is required for precompilation and DB2 Connect[™] Personal Edition v9.5 is required for access to host databases.

Rational Software Architect

To use the COBOL Generation from UML feature, the following application must be installed:

Program Number	Product Name	PTFs or Service Levels Required
5724-V88	Rational [®] Software Architect v 7.5.5.1	

The related product Web site is:

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

Rational Team Concert for System z

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

Program Number	Product Name
5724-V82	Rational Team Concert [™] for System z Client v 2.0

The related product Web site is:

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

Note: Rational Team Concert Client v 1.0 or Rational Team Concert for System z Client v 1.0.1 provides selective support for some Developer for System z functions such as local projects. We recommend Rational Team Concert for System z Client v 2.0.0.2 for a more integrated and full featured experience.

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 6.0 or later	all available maintenance
Firefox 1.5.x 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

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.

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/awdtools/rdz/library/>) and supersedes the requirements listed in this document.

z/OS host prerequisites

Use of 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
5694-A01	z/OS v 1.11	ISPF: <ul style="list-style-type: none">• APAR OA29489 (TSO/ISPF Client Gateway) PTF UA51713 TCP/IP: <ul style="list-style-type: none">• No PTF or Service Level required
5694-A01	z/OS v 1.10	ISPF: <ul style="list-style-type: none">• APAR OA29489 (TSO/ISPF Client Gateway) PTF UA51712 TCP/IP: <ul style="list-style-type: none">• APAR PK74282 (CSM fixed storage growth) PTF UK41810

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

The related product Web site is:

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

Notes:

1. Remote (host-based) actions for z/OS UNIX subprojects require that the z/OS UNIX version of REXEC or SSH is active on the host.
2. 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 service for ISPF APAR OA29489 is not available on your host system.
- APPC can be replaced by the ISPF Client Gateway functionality 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.

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 3.5	No PTF or Service Level required
5655-G44	IBM System Modification Program Extended (SMP/E) for z/OS v 3.4	No PTF or Service Level required

The related product Web site is:

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

SDK for z/OS Java 2 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 2 Technology Edition, v 6.0	service release 7
5655-R31	IBM 31-bit SDK for z/OS, Java 2 Technology Edition, v 6.0	service release 7
5655-N99	IBM 64-bit SDK for z/OS, Java 2 Technology Edition, v 5.0	service release 11
5655-N98	IBM 31-bit SDK for z/OS, Java 2 Technology Edition, v 5.0	service release 11

The related product Web site is:

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

Note: The PTF for Developer for System z APAR PM07305 must be applied when using a 64-bit version of Java. The PTF is available via the Developer for System z recommend service page, <http://www-01.ibm.com/support/docview.wss?rs=2294&context=SS2QJ2&uid=swg27006335>.

z/OS host corequisites

The products listed in this section and other stated software are required to support specific features of Developer for System z. The Developer for System z workstation client can be successfully installed 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
5694-A01	z/OS v 1.11	<p>HLASM No PTF or Service Level required</p> <p>XL C/C++ No PTF or Service Level required</p> <p>SCLM No PTF or Service Level required</p> <p>LE (PL/I) No PTF or Service Level required</p> <p>TN3270 No PTF or Service Level required</p>
5694-A01	z/OS v 1.10	<p>HLASM No PTF or Service Level required</p> <p>XL C/C++ No PTF or Service Level required</p> <p>SCLM No PTF or Service Level required</p> <p>LE (PL/I) No PTF or Service Level required</p> <p>TN3270 No PTF or Service Level required</p>
5694-A01	z/OS v 1.9	<p>HLASM No PTF or Service Level required</p> <p>XL C/C++ No PTF or Service Level required</p> <p>SCLM <ul style="list-style-type: none"> • APAR OA27379 (SCLM Search) PTF UA46330 + UA46331, UA46332, UA46333, UA46334 (language-dependent) </p> <p>LE (PL/I) No PTF or Service Level required</p> <p>TN3270 No PTF or Service Level required</p>

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

The related product Web site 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 developed or edited within Developer for System z.

The related product Web site 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 developed or edited within Developer for System z.

The related product Web site 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 Web site 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 Web site 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 Web site is:

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

COBOL compiler

To compile COBOL programs developed or edited within 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-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	No PTF or Service Level required

The related product Web site 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 developed or edited within 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-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
5655-H31	IBM Enterprise PL/I for z/OS v 3.6	No PTF or Service Level required

The related product Web site is:

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

Debug Tool for z/OS

To support remote debugging from Developer for System z, one of the following levels must be installed on the host:

Program Number	Product Name	Programming Language	APARs, PTFs, or Service Levels Required
5655-V50	IBM Debug Tool for z/OS V10.1	COBOL, PL/I, C/C++, assembler, and additional features	all available maintenance
5655-U27	IBM Debug Tool for z/OS V9.1	COBOL, PL/I, C/C++, assembler, and additional features	all available maintenance
5655-S16	IBM Debug Tool Utilities and Advanced Functions for z/OS V8.1.0	COBOL, PL/I, C/C++, assembler, and additional features	all available maintenance
5655-S17	IBM Debug Tool for z/OS V8.1.0	COBOL, PL/I, Assembler, C/C++	all available maintenance

Note: Support for CICS debug configurations in IBM Rational Developer for System z v7.6.1 or higher requires IBM Debug Tool v10.1 or v9.1 (PTF number - UK52904).

The related product Web site is:

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

Note: Debug Tool Utilities and Advanced Functions (DTU&AF) is a superset of Debug Tool.

Starting with version 9, Debug Tool for z/OS and Debug Tool Utilities and Advanced Functions have been merged into a single offering.

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-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 Web site is:

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

Note:

- The CICS Transaction Server requires additional configuration to work with the debug tool.
- 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 that are new to 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/v7r6/>.

- 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-A02	IBM IMS v 11.1	No PTF or Service Level required
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 Web site 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
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 Web site is:

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

Rational Team Concert for System z

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-V82	Rational Team Concert for System z Server v 2.0	FMID HAHA200 – Team Server <ul style="list-style-type: none"> • UK54064 • UK54071 • UK54073 • UK54095 • UK54098 FMID HAHB200 – Toolkit <ul style="list-style-type: none"> • UK54065 • UK54066 • UK54099 FMID HAHC200 – Job Monitor <ul style="list-style-type: none"> • No PTF or Service Level required FMID HAHD200 – BuildForge Agent <ul style="list-style-type: none"> • UK54097

The related product Web site is:

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

Note: Rational Team Concert Server v 1.0 or Rational Team Concert for System z Server v 1.0.1 provides selective support for some Developer for System z functions such as local projects. We recommend Rational Team Concert for System z Server v 2.0.0.2 for a more integrated and full featured experience

File Manager

To support File Manager integration, one of the following levels must be installed on the host:

Program Number	Product Name	PTFs or Service Levels Required
5655-U29	IBM File Manager for z/OS v 10.1	<ul style="list-style-type: none"> • UK54428

The related product Web site is:

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

Fault Analyzer

To support Fault Analyzer integration, the following levels must be installed on the host:

Program Number	Product Name	PTFs or Service Levels Required
5655-V51	IBM Fault Analyzer v 10.1	No PTF or Service Level required
5655-U28	IBM Fault Analyzer v 9.1	No PTF or Service Level required
5655-S15	IBM Fault Analyzer v 8.1	No PTF or Service Level required

The related product Web site is as follows:

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

REXX

To use SCLM Developer Toolkit, 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 Web site:

<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 Web site:

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/J2EE builds in SCLM Developer Toolkit.

Apache Ant is an open-source, Java-based build tool that you can download from the product Web site:

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

Endevor[®]

CA Endevor[®] Software Change Manager Release 12 must be installed to use the Developer for System z Interface for CA Endevor[®] SCM.

CA Endevor[®] SCM is a product from CA. The related product web site is:

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

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 Web site library page (<http://www-01.ibm.com/software/awdtools/rdz/library/>) and supersedes the requirements listed in this document.

AIX host prerequisites

AIX

One of the following levels must be installed:

Program Number	Product Name
5765-G62	AIX® 6.1 Standard Edition
5765-G03	AIX 5L™ version 5.3

The related product Web site is:

<http://www-03.ibm.com/systems/power/software/aix/>

SDK for AIX, Java 2 Technology Edition

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

Program Number	Product Name
6207-001	IBM 32 bit Runtime Environment for AIX, Java 2 Technology Edition, Version 6
6205-001	IBM 32 bit Runtime Environment for AIX, Java 2 Technology Edition, Version 5

The related product Web site is:

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

Attention: The 64 bit version is not supported.

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 5 (s390x)
Red Hat Linux Enterprise Server 4 (s390x)
SUSE Linux Enterprise Server 10 (s390x)
SUSE Linux Enterprise Server 9 (s390x)

The related product Web site is:

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

SDK for Linux on System z, Java 2 Technology Edition

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

Program Number	Product Name
6207-001	IBM 64 bit Runtime Environment for Linux on System z, Java 2 Technology Edition, Version 6
6205-001	IBM 64 bit Runtime Environment for Linux on System z, Java 2 Technology Edition, Version 5

The related product Web site 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:

Product Name
Red Hat Linux Enterprise 5
Red Hat Linux Enterprise 4
SUSE Linux Enterprise Server 10
SUSE Linux Enterprise Server 9

SDK for Linux on Intel, Java 2 Technology Edition

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

Program Number	Product Name
6207-001	IBM 32 bit Runtime Environment for Linux on Intel architecture, Java 2 Technology Edition, Version 6
6205-001	IBM 32 bit Runtime Environment for Linux on Intel architecture, Java 2 Technology Edition, Version 5

The related product Web site is:

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

Attention: The 64 bit version is not supported.

Notices for IBM Rational Developer for System z

Copyright IBM Corporation - 2007, 2010

U.S. Government Users Restricted Rights - Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

Programming interfaces: Intended programming interfaces allow the customer to write programs to obtain the services of .

*IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.*

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

*Intellectual Property Licensing
Legal and Intellectual Property Law
IBM Japan, Ltd.
3-2-12, Roppongi, Minato-ku, Tokyo 106-8711 Japan*

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law:

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

*Intellectual Property Dept. for Rational Software
IBM Corporation
20 Maguire Road
Lexington, Massachusetts 02421-3112
U.S.A.*

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This information is for planning purposes only. The information herein is subject to change before the products described become available.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

Copyright license

This information contains sample application programs in source language, which illustrate programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs. The sample programs are provided "AS IS", without warranty of any kind. IBM shall not be liable for any damages arising out of your use of the sample programs.

If you are viewing this information softcopy, the photographs and color illustrations may not appear.

Trademark acknowledgments

IBM, the IBM logo, and ibm.com are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at www.ibm.com/legal/copytrade.shtml.

Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.

Rational is a trademark of International Business Machines Corporation and Rational Software Corporation, in the United States, other countries, or both.

Intel and Pentium are trademarks of Intel Corporation in the United States, or other countries, or both.

Microsoft, Windows, and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States, or other countries, or both.

Java and all Java-based trademarks and logos are trademarks or registered trademarks of Sun Microsystems, Inc. in the United States and other countries.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Index

A

- Acrobat Reader
 - prerequisites 5
- Adobe Acrobat Reader
 - prerequisites 5
- AIX
 - prerequisites 15
- Ant
 - corequisites 14
- Apache Ant
 - corequisites 14

B

- browser
 - prerequisites 4

C

- CICS Transaction Server
 - corequisites 11
- COBOL Compiler
 - corequisites 10
- corequisites
 - Ant 14
 - Apache Ant 14
 - CICS Transaction Server 11
 - COBOL Compiler 10
 - DB2 12
 - Debug Tool 11
 - Fault Analyzer 13
 - File Manager 13
 - host 7
 - IMS 12
 - Java 2 Technology Edition 7
 - PL/I Compiler 10
 - Ported tools 14
 - Rational Team Concert for System z 4, 12
 - REXX 14
 - SDK for z/OS 7
 - z/OS 8

D

- DB2
 - corequisites 12
- DB2 Enterprise Server Edition
 - prerequisites 3
- Debug Tool
 - corequisites 11

F

- Fault Analyzer
 - corequisites 13
- File Manager
 - corequisites 13

H

- hardware
 - prerequisites 1
 - requirements 1
- host
 - prerequisites 5
 - host corequisites 7
 - host prerequisites 5

I

- IMS
 - corequisites 12
- Intel Linux
 - prerequisites 16

J

- Java 2 Technology Edition
 - corequisites 7

L

- Linux on System z
 - prerequisites 15

O

- operating systems
 - requirements 2
 - support 2

P

- PL/I Compiler
 - corequisites 10
- Ported tools
 - corequisites 14
- preerequisites
 - AIX 15
- prerequisites
 - Acrobat Reader 5
 - Adobe Acrobat Reader 5
 - browser 4
 - DB2 Enterprise Server Edition 3
 - hardware 1
 - host 5
 - Intel Linux 16
 - Linux on System z 15
 - operating systems 2
 - privileges 5
 - Rational Software Architect 4
 - SMP/E 7
 - software 2, 3
 - TXSeries 3
 - user privileges 5
 - Web browser 4
 - workstation 1

R

- Rational Software Architect
 - prerequisites 4
- Rational Team Concert for System z
 - corequisites 4, 12
- requirements
 - hardware 1
 - operating systems 2
 - privileges 5
 - software 2, 3
 - user privileges 5
- REXX
 - corequisites 14

S

- SMP/E
 - prerequisites 7
- software
 - prerequisites 2, 3
 - requirements 2, 3
- support
 - operating systems 2

T

- TN3270 10
- TXSeries
 - prerequisites 3

U

- user privileges 5

W

- Web browser
 - prerequisites 4
- workstation
 - prerequisites 1

Z

- z/OS
 - corequisites 8
- z/OS corequisites
 - C/C++ 9
 - High Level Assembler 9
 - Language Environment 10
 - SCLM 9
- z/OS host prerequisites 5
- z/OShost
 - prerequisites 5

Readers' Comments — We'd Like to Hear from You

Developer for System z
Prerequisites Guide
Version 7.6.1

Publication No. SC23-7659-04

We appreciate your comments about this publication. Please comment on specific errors or omissions, accuracy, organization, subject matter, or completeness of this book. The comments you send should pertain to only the information in this manual or product and the way in which the information is presented.

For technical questions and information about products and prices, please contact your IBM branch office, your IBM business partner, or your authorized remarketer.

When you send comments to IBM, you grant IBM a nonexclusive right to use or distribute your comments in any way it believes appropriate without incurring any obligation to you. IBM or any other organizations will only use the personal information that you supply to contact you about the issues that you state on this form.

Comments:

Thank you for your support.

Submit your comments using one of these channels:

- Send your comments to the address on the reverse side of this form.
- Send a fax to the following number: 1-800-227-5088(US and Canada)

If you would like a response from IBM, please fill in the following information:

Name

Address

Company or Organization

Phone No.

E-mail address



Fold and Tape

Please do not staple

Fold and Tape



NO POSTAGE
NECESSARY
IF MAILED IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST-CLASS MAIL PERMIT NO. 40 ARMONK, NEW YORK

POSTAGE WILL BE PAID BY ADDRESSEE

IBM Corporation
Information Development
Department G71A / Bldg. 503
P.O. Box 12195
Research Triangle Park, NC
27709-2195



Fold and Tape

Please do not staple

Fold and Tape



Program Number: 5724-T07

Printed in USA

SC23-7659-04

