

SOLA Requirements Guide

Version 6.4.2



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Requirements

This guide provides pre-requisites for installing and running the SOLA IDE on a Windows J2EE platform (WebSphere, WebLogic or Tomcat) and installing and running the SOLA run-time on z/OS using SMP/E.

BEFORE YOU BEGIN

The SOLA 6.4 installation process includes the following mandatory pre-installation steps for *new* and *upgrade* installations:

SOLA Pe-installation Requirements

SOLA Installation Scenario	Pre-installation Requirement
Windows Server	<ul style="list-style-type: none">○ J2EE Application Server: Before installing the SOLA IDE into your J2EE application server you must first install the application server. SOLA supports installation of the SOLA IDE in WebSphere, WebLogic or Tomcat. Next you will need to create an installation directory in the file system of J2EE server and copy the installation EAR or WAR file from the installation CD into this directory.○ Java 7 or higher
Client Web Browser	<ul style="list-style-type: none">○ Cookies must be enabled in your browser settings in order to use the SOLA IDE
z/OS Server	<p>You will need the following systems and/or subsystems installed and running on your destination machine:</p> <ul style="list-style-type: none">○ CICS TS 1.31 or greater○ G4 processor or higher for encryption (if required)○ DB2 version 7 or greater○ MVS/ESA 430 or higher○ CICS CWS○ CICS Sockets if outbound support is required○ Bridge 3270 or Linkable Bridge for 3270 support○ MQ if MQ transport is required○ DB2 Version 8 or higher for UDDI inquiry and SOLA Dashboard○ MVS FTP server must be running for the development environment○ Integrated Cryptographic Service Facility (ICSF) for XML Encryption, XML Signature and outbound SSL (if required)



SOLA run-time on a z/Series mainframe

REQUIREMENTS AND CONSIDERATIONS

The following sections identify the system requirements for installing and activating SOLA for z/OS. The following terminology is used:

Driving system: the system used to install the program.

Target system: the system on which the program is installed.

The same system can be used as both a driving system and a target system.

DRIVING SYSTEM REQUIREMENTS

This section describes the environment of the driving system required to install SOLA for z/OS.

Machine Requirements

The driving system can run in any hardware environment that supports the required software.

Programming Requirements

Program Number	Product Name and Minimum VRM/Service Level
Any one of the following:	
5647-A01	OS/390 Version 2 Release 9 or higher
5694-A01	z/OS Version 1 Release 1 or higher
Any one of the following:	
5647-A01	OS/390 SMP/E Version 2 Release 9 or higher
5655-G44	SMP/E for z/OS and OS/390 Version 3 Release 1 or higher



Figure 1 Driving System Software Requirements

SOLA for z/OS uses REXX edit macros during installation. These REXX edit macros require OS/390 Version 2 Release 9 or higher or z/OS Version 1 Release 1 or higher.

TARGET SYSTEM REQUIREMENTS

This section describes the environment of the target system required to install and use SOLA for z/OS.

SOLA for z/OS installs in the MVS (Z038) SREL.

Machine Requirements

The target system can run in any hardware environment that supports the required software.

Programming Requirements

Mandatory Requisites

A mandatory requisite is defined as a product that is required without exception; this product either will not install or will not function unless this requisite is met. This includes products that are specified as REQs or PREs.

Program Number	Product Name and Minimum VRM/Service Level
Any one of the following:	
5647-A01	OS/390 Version 2 Release 9 or higher
5694-A01	z/OS Version 1 Release 1 or higher
All of the following:	
5655-147	CICS TS Version 1 Release 3 or higher
5675-DB2	IBM DB2 UDB Server for OS/390 Version 7.1 or higher

Figure 2 Mandatory Requisites



Functional Requisites

A functional requisite is defined as a product that is **not** required for the successful installation of this product or for the basic function of the product, but **is** needed at run time for a specific function of this product to work.

Program Number	Product Name and Minimum VRM/Service Level	Function
5647-A01	ISPF Version 4.2.1 or higher	Installation
5675-DB2	IBM DB2 UDB Server for OS/390 Version 7.1 or higher	Directory
5647-A01	OS/390 Version 2.9 Cryptographic Services with fixes for APAR OW54083	WS-Security
5694-A01	z/OS Communications Server Version 1 Release 5	IDE and CICS Sockets
5696-234	High Level Assembler Version 1.2 or higher	Metadata templates
5688-197	IBM COBOL for OS/390 and VM	COMMAREA programs
5655-F10	WebSphere MQ for z/OS	MQ transport
5625-DB2	IBM DB2 UDB Server for OS/390 Version 8.1 or higher	UDDI Inquiry and SOLA Dashboard

Figure 3 Functional Requisites

Toleration/Coexistence Requisites

A toleration/coexistence requisite is defined as a product which must be present on a sharing system. These systems can be other systems in a multi-system environment (not necessarily sysplex), a shared DASD environment (such as test and production), or systems that reuse the same DASD at different time intervals.

SOLA for z/OS has no toleration/coexistence requisites.

Incompatibility (Negative) Requisites

A negative requisite identifies products which must not be installed on the same system as this product.

SOLA for z/OS cannot be installed in the same SMP/E zone as CICS, DB2, or WebSphere for MQ Series. SOLA is distributed with the following elements:

Module DSNCLI is at CICS 1.3 level (FMID HCI5300).



Modules CSQ* are at MQ 5.2 level.

Modules DFH* (renamed to SOA) are at CICS 1.3 level (FMID HCI5300).

Modules DSNA, DSNHADDR, DSNHMHVHW, and DSNTIAR are at DB2 v6 level.

Installing SOLA in any of the above program product zones will result in overlaying listed modules.

DASD Storage Requirements

SOLA for z/OS libraries can reside on all supported DASD types.

Figure 4 lists the total space required for each type of library.

Library Type	Total Space Required
Target	1,250 3390 tracks
Distribution	630 3390 tracks
Directory (DB2)	64 M Bytes
Statistics (DB2)	100 M Bytes

Figure 4 Total DASD space required by SOLA for z/OS

FMIDs Deleted

Installing SOLA for z/OS will result in the deletion of previous SOLA versions (FMIDs SOLA100 up tp SOLA400).

Special Considerations

SOLA for z/OS has no special considerations for the target system.