



SAS[®] 9.1.3 Intelligence Platform

Pre-installation Checklists

Second Edition

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What's New

Overview

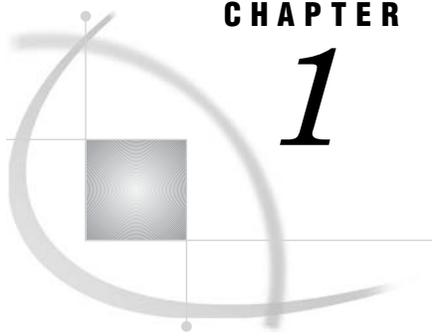
SAS Intelligence Platform: Pre-installation Checklists is a companion to the *SAS Intelligence Platform: Installation Guide*. The installation guide leads you step by step through the installation of the SAS Intelligence Platform and, in the course of doing so, has you complete a number of pre-installation checklists. In these checklists, you record information such as the credentials for special SAS users and the installation locations of third-party products.

This document contains only the checklists, not the explanations of how to complete the checklists. It is intended for users who have installed the platform before and no longer need the explanatory material.

Documentation Enhancements

The following changes and enhancements have been made to the pre-installation checklists:

- The Xythos WebFile Server topic contains a new checklist in which you should record the information that the SAS Configuration Wizard will need when it configures Xythos WebFile Server.
- Information has been added about TCP/IP ports required by the products in the Platform Suite for SAS and the SAS OS Scheduler. You must allocate ports for these products during pre-installation.



CHAPTER

1

Pre-installation Checklists

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Introduction

Before you begin installing the SAS Intelligence Platform, you should fill out the checklists included in this document (or those in the *SAS Intelligence Platform: Installation Guide*). They give you a place to record information about operating system user accounts and groups that you must create, about TCP/IP ports that you must select, and about the installation of third-party products.

If your SAS servers and middle tier will be running on Windows machines, UNIX machines, or a combination of the two, you need to fill out only the checklists in “Windows and UNIX Systems: Pre-installation Checklists” on page 2. If some or all of your SAS servers will run on a z/OS machine, you must also fill out the checklists in “z/OS Systems: Pre-installation Checklists” on page 9.

Note: If you are installing a SAS solution in addition to the SAS Intelligence Platform, please go to the following URL to determine if there are any pre-installation instructions specific to your solution: <http://support.sas.com/documentation/onlinedoc/index.html>. Select your solution from the product selection list on the

Documentation for SAS Products and Solutions page, and work through any solution-specific pre-installation checklist. Δ

Accessibility Features in the SAS Intelligence Platform Products

For information about accessibility for any of the products mentioned in this book, see the documentation for that product. If you have questions or concerns about the accessibility of SAS products, send e-mail to accessibility@sas.com.

Windows and UNIX Systems: Pre-installation Checklists

Users, Groups, and Ports

Users

The SAS Intelligence Platform requires that you create a number of operating system user accounts before you install and configure the platform. Some accounts are required in all cases, while others are required only if your deployment plan contains specific products. For details about what accounts you need to create at your site, see “Setting Up Required Users and Groups” in the *SAS Intelligence Platform: Installation Guide*. That chapter also explains the following:

- where each user will be authenticated
- the pros and cons of using local and network accounts
- our recommendations concerning password policies

Record information about each account that you create in the following checklist.

Table 1.1 Windows/UNIX User Accounts

User Description (Recommended User ID)	Domain or Host Name*	User ID	Password
SAS Administrator (sasadm)			
SAS Trusted User (sastrust)			
SAS Demo User (sasdemo)			
SAS General Server User (sassrv)			
SAS Web Administrator (saswbadm)			
SAS Guest User (sasguest)			

User Description (Recommended User ID)	Domain or Host Name*	User ID	Password
LSF Administrator (lsfadmin)			
LSF User (lsfuser)			
PostgreSQL User (postgres)			
SAS Installer (sas)			

* For Windows accounts, enter a domain name or host name in this column. When you enter Windows user IDs in the SAS Configuration Wizard, they must be qualified with a domain or host name.

Groups

On Windows systems, we recommend that you use a group in order to assign the necessary user rights to users. Typically, we name this group SAS Server Users and give its members the user right **Log on as a Batch Job**. For information about which users should be members of this group, see “The SAS Server Users Group (Windows)” in the chapter “Setting Up Required Users and Groups” in the *SAS Intelligence Platform: Installation Guide*. Other users may require additional user rights, as explained in the section “Creating the User Accounts” in the same chapter.

If some or all of your hosts are UNIX hosts, you should create a group called sas and make it the primary group of the installer (the sas user).

Use the following checklist to indicate whether you have created these groups.

Table 1.2 Windows/UNIX Groups

Group	Done?
SAS Server Users (Windows)	
sas (UNIX)	

Ports

You also need to select some ports for use by the SAS servers and spawners in the system and by the third-party product in the environment.

The following checklist lists the default ports used by the SAS processes. If the default port for a server or spawner that you plan to configure is in use, select an alternate port and enter the port number in the checklist.

Table 1.3 Windows/UNIX Ports

Server or Spawner	Default Port	Actual Port
SAS Metadata Server	8561	
SAS Object Spawner: operator port	8581	
SAS Object Spawner: load balancing port	8571	
SAS Workspace Server	8591	
SAS Stored Process Server: connection	8601	
SAS Stored Process Server: load balancing connection 1	8611	
SAS Stored Process Server: load balancing connection 2	8621	
SAS Stored Process Server: load balancing connection 3	8631	
SAS OLAP Server	5451	
SAS/CONNECT Server	7551	
SAS/SHARE Server	8551	
SAS Remote Services Application	5099	
Operating System Services scheduler	8451	

You must also leave a set of ports open for use with third-party products. If the default port is not available, select an alternate port.

Table 1.4 Ports Used by Third-Party Products

Product and Use	Default Port(s)	Actual Port (s)
Apache Tomcat: listen port	8080	
BEA WebLogic Server: listen port for administration server	7501	
BEA WebLogic Server: listen port for managed server	7001	
IBM WebSphere Application Server: listen port	9080	
Apache HTTP Server: DAV port	80	
Xythos WebFile Server: DAV port	8300	
PostgreSQL	5432	
Platform Process Manager	1966	
Platform LSF	6878 6879 6881 6882	
Platform Grid Management Service	1976	

For more information about the ports used by the SAS Intelligence Platform, see the appendix “Default SAS Ports” in the *SAS Intelligence Platform: System Administration Guide*.

Third-Party Software

When you configure your system, the SAS Configuration Wizard needs to know certain information about the third-party products that you have installed in support of the SAS Intelligence Platform. The following subsections indicate which products the SAS Configuration Wizard needs information about and what information it needs for each product. Completely fill in the checklist for each product that you have installed, or will install.

Note: The Third-Party Software Downloads page at <http://support.sas.com/thirdpartysupport> explains which versions of these products are supported for your version of the SAS Intelligence Platform. Δ

Java Development Kit

Table 1.5 Java Development Kit

Description	Default Value	Actual Value
Installation directory	N/A	
Product version	N/A	

Apache Tomcat

Table 1.6 Apache Tomcat

Description	Default Value	Actual Value
Installation directory*	N/A	
Listen port	8080	
Product version	N/A	

* On Windows systems, the path to the installation directory cannot contain spaces. Therefore, you should install Tomcat in a directory such as **C:\Tomcat4.1**.

BEA WebLogic Server

Table 1.7 BEA WebLogic Server

Description	Default Value	Actual Value
Installation directory	N/A	
Name of domain	mydomain	
Name of managed server	myserver	
Listen port for administration server	7501	
Listen port for managed server	7001	
Web application directory	webapps	
Directory in which SAS Information Delivery Portal will be deployed	Portal	
Product version	N/A	

IBM WebSphere Application Server

Table 1.8 IBM WebSphere Application Server

Description	Default Value	Actual Value
Listen port	9080	
Product version	N/A	

Apache HTTP Server

Table 1.9 Apache HTTP Server

Description	Default Value	Actual Value
DAV port	80	
Product version	N/A	

Xyθος WebFile Server

Table 1.10 Xyθος WebFile Server

Description	Default Value	Actual Value
DBMS and version	N/A	
Database installed?	N/A	
Account under which DBMS will run	postgres (for PostgreSQL)	
Location of JDBC driver	N/A	
Host name and port for DBMS	<i>server-name</i> :5432 localhost:5432 (for PostgreSQL on same machine as DBMS)	
Name of Global Schema and Document Store	xythos42 and files42 (for SQL Server and PostgreSQL)	
Credentials for user who can access the Global Schema and Document Store	User ID: xythos (for PostgreSQL)	
Program that will create tables (SQL Server and PostgreSQL only)	Full path to psql.exe (PostgreSQL) or osql.exe (SQL Server)	
Location of JDK	N/A	

Description	Default Value	Actual Value
Credentials for Xythos administrator	User ID: admin	
Password for Oracle System database account	N/A	
Product version	N/A	

Platform Suite for SAS

Table 1.11 Platform Suite for SAS

Description	Default Value	Actual Value
Platform Process Manager port	1966	
Product version	N/A	

z/OS Systems: Pre-installation Checklists

Before creating the SAS server tier of the SAS Intelligence Platform on a z/OS machine, you must perform the following tasks:

- create a set of user accounts
- create a security group
- reserve port numbers for your servers and, in most cases, choose started task names for the servers
- create a directory to serve as the configuration directory on the machine
- define SAS and SAS/C libraries to be program controlled

Note: For more detailed information about how to fill out these checklists, see the longer version of the checklists in “Pre-Installation Tasks” in the appendix “Installing and Configuring the SAS Servers on z/OS” in the *SAS Intelligence Platform: Installation Guide*. △

Users

The user accounts that must be defined are a subset of those that you would create if the SAS server tier were running on a Windows or UNIX host.

Table 1.12 Pre-installation Checklist: User Accounts

User Description	Recommended User ID	Actual User ID	Password
SAS Installer*	sas		
SAS Administrator	sasadm		
SAS Trusted User	sastrust		
SAS Guest User	sasguest		
SAS Demo User	sasdemo		
SAS General Server User	sassrv		
SAS Web Administrator**	saswbadm		

* You install and configure all SAS software under this user ID. By default, this user will also be the started task owner for the servers and the owner of the configuration directory structure.

** You need to define an account for a SAS Web Administrator only if you will be using SAS Web applications such as SAS Web Report Studio or SAS Information Delivery Portal.

Groups

In addition to creating the user accounts mentioned above, you must create a RACF group, usually named SASGRP. This group is used to control access to directories and files in the configuration directory created in the HFS file system. This group must be defined with an OMVS segment and must be set as the default group for the SAS Installer (sas) and the SAS General Server User (sassrv).

Table 1.13 z/OS Group

Group	Done?
Create the group SASGRP.	
Add the SAS Installer and the SAS General Server User to the group.	

Ports for Servers Run as Started Tasks

For each non-spawned server and each spawner that you will configure on your system, you must reserve one or more ports and define a started task. It is recommended that all ports for these servers and spawners be registered in your TCP/IP PROFILE data set so that no other processes will attempt to use them.

Table 1.14 z/OS Started Tasks

Server or Spawner	Started Task Name	Port Number (default)	Service Name (optional, for /etc/services)
SAS Metadata Server		_____ (8561)	
SAS Object Spawner		_____ (8571) _____ (8581)	
SAS OLAP Server		_____ (5451)	
SAS/CONNECT Server		_____ (7551)	
SAS/SHARE Server		_____ (8551)	

Ports for Spawned Servers

You must also reserve ports for the workspace and stored process servers. It is recommended that all ports for these servers be registered in your TCP/IP PROFILE data set so that no other processes will attempt to use them.

Table 1.15 z/OS Spawned Servers

Server or Spawner	Number of Ports Required	Port Number (default)	Service Name (optional, for /etc/services)
SAS Workspace Server	1	_____ (8591)	
SAS Stored Process Server	4	_____ (8601) _____ (8611) _____ (8621) _____ (8631)	
Operating System Services scheduler	1	_____ (8451)	

Configuration Directory

Create a directory that will serve as the configuration directory on this machine, and record the path to this directory below. A typical path is `/usr/lpp/SAS/SAS_9.1/config-directory`.

Table 1.16 z/OS Configuration Directory

Configuration Directory

SAS and SAS/C Executable Libraries

Define the SAS and SAS/C executable libraries to be program controlled.

Table 1.17 z/OS Executable Libraries to Be Program Controlled

Task	Library Name
Define SAS executable library to be program controlled.	
Define SAS/C executable library to be program controlled.	

Your Turn

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