SAP Library

Server Manager Guide

SAP Business Planning and Consolidation 7.0 SP03

version for the Microsoft platform

Target Audience

- System Administrators
- Technology Consultants

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Documentation in the SAP Service Marketplace
Documentation is available on SAP Service Marketplace at
http://service.sap.com/instguidescpm-bpc

Table of Contents

Welcome to the Server Manager Guide

Server Manager is a Business Planning and Consolidation (BPC) module that allows system administrators to monitor and maintain a BPC server. It provides quick access to information on key statistics related to server performance, a diagnostic program that reports on the status of the BPC installation, an application set backup and migration tool, and allows you to set options for BPC clients.

Viewing system information

When you open the server manager, the **System Information** window is displayed. This window shows information about the server, including the Operating System version and available memory.

To view server information

*   Start Server Manager by selecting **(All) Programs > SAP** > **Server Manager** from the Windows **Start** menu. The System Information window is displayed.

    Click the **Refresh** button to refresh the information on the screen.

Running server diagnostics

You can run a server diagnostic program to troubleshoot your system installation settings. In addition to viewing server diagnostics on a program screen, a full diagnostic report can also be saved to a log file on the server.

To run server diagnostics

1. From the Windows **Start/(All) Programs/SAP** menu, select **Server Manager**.

2. From the **Server** menu, select **Diagnostic**.

3. To view the diagnostic information in a log file, view the *<BPC Server>***Server Management\osoftdiagnostic.txt** file in a text editor.

Setting client installation options

You can use the 'client auto update' feature to have the server automatically check to see if BPC client components that log on to it have an older version than the client that is installed on the server machine. If a client component is not current, the server can automatically install the newer client version. You can enable the server to automatically check for older versions of BPC for Office and/or BPC Administration.

In addition, you can set default installation properties for installed clients, such as the version of XML to install. When you change the version or file name, it impacts all subsequent client installations and client diagnostics.

To set client installation options

1. From the Windows **Start/(All) Programs/ SAP** menu, select **Server Manager**.

2. Select **Options > Client Options**. The **Client Options** page is displayed.

3. From the **Client Auto Update** section, select the **ON** radio button for one or more of the following options:

    *   **Client Update** to install the latest BPC for Office version.

    *   **Admin Update** to install the latest BPC Administration version.

4. In case non-Windows Administrator users use the auto update feature to install the client to their machines, enter the administrator ID and password for the client machines in the **Admin ID** and **Admin Password** fields. The Admin ID should be a member of local administrators group on all the computers on which the auto update runs. If all users have administrator rights on their machines, this entry is not necessary.

5. Select **Enable server to be Sarbanes-Oxley compliant** if you want all clients that access the server to challenge all users for a user name and password.

6. In the **Client Prerequisite Software** section, change the Microsoft XML version, if you want to install a different version than the default during an auto update.

> Please contact SAP Support for information about setting the client prerequisites for your environment.

7. Click **Update**.

Setting server information

The following standard and advanced settings are defined during the server installation, but you can change them at any time.

Standard settings

Server Option	Value
SQL Database Server name	The name of the SQL DB Server.
OLAP Server Name	The name of the OLAP Server.
Insight OLAP Server name	The name of the Insight OLAP Server.
File Share Server name	The default value is the name of the File Share Server that should be the computer name (NetBIOS name)
Local Data Path	Where the data files are saved on File Share Server. By default, C:\BPC\Data.
Reporting Services Server Name	The name of the Reporting Services Server.
Application Server Name	The name of the Application server.
Web Server name	The name of the Web server.

Advanced settings

Server Option	Value
SQL Server name	The name of the SQL Server. Defaults to the local server.
- Instance name	The SQL instance name. If left blank, the default instance is used.
- Port number	The port number. The default for SQL Server 2000 and 2005 is 1443.
- Provider	Currently, the only available value is SQL.
OLAP Server Name	The name of the OLAP Server. Default is the local server.
- Instance name	For SQL 2000, only the default instance is supported. For 2005, it can be changed.
- Port number	The default value for SQL 2000 is 2725. For 2005, the default value is 2383. Only the value in 2005 can be changed.
Insight OLAP Server name	The name of the OLAP Server. Default is the local server.
- Instance name	For SQL 2000, only the default instance is supported. For 2005, it can be

Server Option	Value
	changed.
- Port number	The default value for SQL 2000 is 2725. For 2005, the default value is 2383. Only the value in 2005 can be changed.
File Share Server name	The name of the File Share server that should be the computer name (NetBIOS name). The default value is the name of the local server.
- Local data path	Where the data files are saved on File Share Server. By default, C:\BPC\Data.
Reporting Services Server name	The name of the Reporting Services server. The default value is the name of the local server.
- Instance name	For SQL 2000, only the default instance is supported. For 2005, it can be changed.
- External Server name	TCP/IP address for accessing the server from outside a firewall.
- Protocol	The protocol on the Reporting Services server. The available values are http or https. The default value is http.
- Port number	The port number to which the Reporting Services server connects. 80 is the default for http, 443 is the default for https.
- Authentication type	The authentication type on the Reporting Services server. The default value is Integrated. Basic is also available.
Application Server name	The name of the Application Server.
- External Server name	TCP/IP address for accessing the server from outside a firewall.
- Virtual Server name	The server name for load balancing if it is installed.
- Web site	The IIS website name, if different than the default website.
- HTTP compression	The default value is No. (Yes provides better performance in some situations.)
- Protocol	The available values are http or https. The default value is http.
- Port number	The port number to which the Application Server connects. 80 is the default for http, 443 is the default for https.
- Authentication type	Windows or Kerberos. The default is Windows.
Scheduler Server name	The name of the server used for scheduling. This is typically the application server. If you have multiple application servers, select the appropriate one.
Web Server name	The default value is the name of the Web Server.
- External Server name	The TCP/IP address for accessing the server from outside a firewall.
- Virtual Server name	The server name for load balancing if it is installed.
- Web site	The IIS website name, if different than the default website.
- HTTP compression	The default value is No. (Yes provides better performance in some situations.)

Server Option	Value
- Protocol	The available values are http or https. The default value is http.
- Port number	The port number to which the Web Server connects. 80 is the default for http, 443 is the default for https.
- Authentication type	Windows or Kerberos. The default is Windows.

To set server information

1. From Server Manager, select **Options** > **Server Options**.

2. Change the options, as required, using the table above as a guide.

3. Click **Update** to save your changes.

Changing the server password

When BPC is installed, the installing user provides an ID and password on the server. BPC uses this ID and password to register services on the server.

We recommend that you do not change the password. But if required, for example, if the Windows password gets changed, you must change the password for each BPC service or BPC will not work correctly.

The services that also the installing user's password are:

- Ev4JournalSvr

- Everest Update

- EverestAdminMakeHir

- K2Processing

- OSoftAdminLogic

- OSoftAdminLogicManage

- OSoftAdminProcessSelectorManage

- OSoftAdminServer

- OSoftAudit

- OSoftContent

- OSoftDatabaseADMIN

- OSoftDatabaseSYSADMIN

- OSoftDatabaseUSER

- OSoftDataService

- OSoftDMServer

- OSoftDMTools

- OSoftFileManage

- OSoftInsightKPIManager

- OSoftInsightReportManager

- OSoftInsightServiceShared

- OSoftLogging

- OSoftOLAP2000Admin

- OSoftReportManage

- OSoftScheduling

- OSoftSQL2000Admin(SQL2000 only)
- OSoftSQL2005Admin(SQL2005 only)
- OSoftStatusManage
- OSoftSystemConfig
- OSoftUserManage
- OSoftWebFileManage
- OSoftWebFolderSvr

To change the server password

1. If you have not done so already, change the Windows user password.
2. On the BPC server, navigate to **Component Services**.

    Select **Start > Programs > Administrative Tools > Component Services**.

3. Navigate to **COM+ Applications**.

    Select **Component Services > Computers > My Computer > COM+ Applications**.

4. Select a service, for example, **EverestMyOutlook**, right-click and select **Properties**.
5. Select the **Identity** tab, enter the new password in the **Password** and **Confirm Password** fields, then click **OK**.
6. Repeat steps 4 and 5 for each of the remaining services listed above.

Limiting BPC access

Rather than allowing all users within Active Directory to access BPC, you can limit the pool of users by adding them to a particular domain and then giving access to only those users.

To limit BPC access

1. From Server Manager, select **Options > Define system user groups**.
2. In the **System user group name** field, enter a unique name for this group. This name will be displayed in the Add Users assistant in the Admin Console. The default group name is "Domain users" if a domain user installs the BPC server. The default group name is "Local users" if a local user installs the BPC server. To modify a group, select the name of the group you want to modify from the list.
3. In the **Group description** field, enter a meaningful description for the user group. (This value is for future use.)
4. From the **Domain type** field, select **Active Directory** or **Local Windows**. (These are the only domain types supported at this time.)
5. In the **Domain Name** field, enter (or modify) the name of the fully qualified domain name. This must be a domain already set up by a system administrator. For a local user, enter a local computer name.
6. In the **User group filter** field, enter (or modify) a filter that gets user names from the specified domain and server. Here are some examples:

    CN = Container Name; **OU** = Organization Unit; **DC** (Domain Component) is not supported in the Filter field.

Scenario	Example	Description

Scenario	Example	Description
Single organizational unit (OU)	**OU=***Marketing*	Finds users of the **Marketing** OU.
Multiple OUs	**OU=***Sales*;**OU=***Marketing*	Finds users of the **Sales** and **Marketing** organizational units
Multiple OUs from a single container	**OU=**Sales;**OU=***Marketing*;**CN=***Users*	Finds users of the **Sales** and **Marketing** organizational units and the **Users** container.
A group (or user) in an OU	**CN=***DM*,**OU=***Sales*	Finds users of the **DM** group in the **Sales** organizational unit.
Multiple groups (or users) in an OU (when multiple groups are in a single or different groups)	**CN=***DM*,**OU=***Sales*;**CN=***DM*,**OU=***Sales2*	Finds the users of the **DM** group in the **Sales2** organizational unit and the users in the **DM** group in the **Sales** organizational unit.
Mixed condition	**CN=***DM*,**OU=***Sales*;**CN=***FR*,**OU=***Sales2*; **CN=***HR*,**CN=***Users*	Finds users of the **DM** group in the **Sales** organizational unit, users of **FR** group in **Sales2** organizational unit, and users of **HR** group in the **Users** container.

7. Click **Update** to save your changes.

Managing application sets

As BPC adds new features, and improves its technology, your application sets must be modified to work with the new version and take advantage of these updates.

About managing application sets

When you back up and restore an application set, your SQL data, published books, distribution, report, input schedule, and book definition templates, user and folder security data, and other custom information from the application set are maintained. There is no need to redefine security, create new templates, etc., once your application sets are upgraded. Your OLAP data is recreated upon restoring an application set.

Backing up application sets

You back up an application set when you want to archive it, or you want to move it from one BPC server to another. For example, you would back up an application set before moving it from a development to production server, or if you are installing a new version BPC on a new server. After you back up an application set, you can move it to another server using the Restore task in Server Manager. **See Restoring application sets**.

You can back up application sets located on a single server or in a multi-server configuration.

The backup process creates three folders. The following table describes the folders and what is contained in each. Note that the OLAP databases are not backed up. They are recreated during the restore procedure.

Folder	Description

FileDB	Contains a .zip file that contains the files in the backed up FileDB folder.
SQL	Contains a .bak file that contains the backed up SQL database.
Webfolder	Contains a .zip file that contains the files in the backed up Webfolder folder.

⚠ Use this procedure only if you want to back up a BPC application set. If you want to back up an EAP 3.0 application set, you must back it up manually. Please contact Product Support for more information about backing up an application set manually.

To back up an application set

1. From your Application server, select the **Windows Start/(All) Programs** menu, select **SAP**, then select **Server Manager**.

2. Select **AppSet > Backup AppSet**.

3. Select the check box next to one or more application sets that you want to back up.

   ℹ Select the **Select All AppSets** check box to select all the application sets in the list.

4. In the **Destination** field, enter the path that describes where you want to save the backed up files, or click the **browse button** to search for the target backup folder.

5. If the SQL database is on a separate server than the Application server, select the **Use backup files path on a remote SQL server** check box, and enter the name of the path to the remote SQL database, for example, **\\ServerName\O5Backups**. This folder must be shared and write-able.

   ℹ The **Use backup files path on a remote SQL server** option is also used when a DMZ configuration exists between the SQL Server and the Application server.

6. Click **Next**.

7. Click **OK**, then click **Close**.

8. To move the backed up application set(s) to one or more servers, **see Restoring application sets**.

Restoring application sets

You restore application sets when you want to get an application set that has been backed up, and load it onto a different BPC server. The destination server must have access to the directory that contains the backed up files.

You can restore an application set on a single server or multi-server environment.

To restore an application set

1. From your Application server, select the Windows **Start/(All) Programs** menu, select **SAP**, then select **Server Manager**.

2. Select **AppSet > Restore AppSet**.

3. In the **Step 1** dialog box, do one of the following:

   ▪ If single server, enter the path to the folder that contains the backed up application set in the **AppSet Folder** field, or click the **browse button** to search for the folder. Click **Next**.

   ▪ If multi-server, do the following:

     a. You can leave the **AppSet Folder** field blank.
     b. In the **Webfolder** field, enter the path and name of the zip file that contains the backed up **Webfolder** folder, or click the browse button to search for the file.

    c.   In the **FileDB** field, enter the path and name of the zip file that contains the backed up **FileDB** folder, or click the **browse button** to search for the file.

    d.   In the **SQL database** field, enter the path and name of the SQL Server .bak file, or click the **browse button** to search for the file. If the SQL database is on a separate server than the Application server, select the **Use backup files path on a remote SQL server** check box and enter the name of the path to the remote SQL database, for example, **\\ServerName\O5Backups**. This folder must be shared and write-able.

> The **Use backup files path on a remote SQL server** option is also used when a DMZ configuration exists between the SQL Server and the Application server.

    e.   Click **Next**.

4. In the **Step 2** dialog box, do one of the following:

   - If single server, you can leave the fields blank. The current server is assumed. Click **Next**.

   - If multi-server, enter the server names for each component. If the database server is installed as a non-default instance, enter *<DB Server name> \<non-default instance name>*. Click **Next**.

5. In the **Step 3** dialog box, wait until the restore process is complete, then click **Close**.

6. The restoration procedure resets the connection strings on the Application server to the internal server name. So if you require users to access the application set from an external IP address, you must modify those settings. **See Defining external IP addresses**.

7. Save each application in the application set by doing the following:

   a. From the Admin Console, select an application node under **Application**.
   b. Select **Modify application** from the action pane.
   c. Select **Modify Application** without making any changes.
   d. Repeat for each application.

Server administration

You use the Server Manager to administer several aspects of the server.

Resetting login credentials

If you change your Web server credentials or the SQL password for the account used to run BPC, you must inform BPC of the change. Use this procedure to reset your Web or SQL Server login credentials.

Resetting Web server credentials

To reset your Web server login credentials

1. From the Windows **Start/(All) Programs/SAP** menu, select **Server Manager**.

2. Select **Server > Reset Login Credentials**.

3. In the **COM+ ID** and **Password** fields for each user, enter the COM+ ID and password, respectively.

4. Click **Update**.

Resetting SQL server credentials

This section describes how to change login IDs and passwords for SQL Analysis Server 2000 for related BPC databases. This is an advanced SQL procedure for a user with system administrator rights who is familiar with advanced Windows and SQL Server features.

Creating/changing a login and password

System administrators can create a new login ID and password for a BPC database.

To create a new login ID and password

1. Open SQL Server Enterprise Manager. Expand the navigation tree and select **Security** > **Logins**.

2. From the toolbar, click the New button to create a new login. The New Login dialog is displayed.

3. In the Name field, enter **sachange**. In the Authentication section, select **SQL Server Authentication**. Enter a password and click **OK**. The New Login dialog is closed.

    > Be sure to save the password.

4. From the toolbar, click the **New Database** button. The Database Properties dialog box is displayed.

5. In the **Name** field, enter **MSASREP_Temp** and click **OK**. Exit SQL Enterprise Manager.

6. Open Microsoft Analysis Manager. Expand the navigation tree and locate the server name. Right click on the name and select **Migrate Repository**. The Migrate Repository Wizard is opened.

7. Select **Analysis Services native format** and click **Next**.

8. Choose the server name where the databases reside, then click **Next**.

9. Select **SQL Server Authentication**. In the Login ID field, enter **sachange**. In the **Password** field, enter the password that you created in Step 3. Click **Next**.

10. Choose the MSAREP_Temp database and click **Finish**. When the Success dialog box is displayed, click **OK**.

11. After you create a new login ID and password in SQL Server Enterprise Manager, you must also reset the login credentials as described in the section **Resetting login credentials**.

Changing a Login

You can change an existing login ID for a BPC database.

To change a login

1. Open Microsoft Analysis Manager. Expand the navigation tree and locate the server name for which you want to change the login ID. Right click on the name and select **Migrate Repository**.

2. The Migrate Repository Wizard is opened. Select **Analysis Services native format** and click **Next**.

3. Choose the server name where the databases reside, then click **Next**.

4. Select the **SQL Server Authentication** button.

5. Enter the new login ID and the existing password (if desired) and click **Next**.

6. Choose the MSAREP (or the original repository) database and click **Finish**.

7. A message displays asking if you want to overwrite the existing metadata. Click **Yes**.

8. A message displays saying the processing has completed successfully. Click **OK**.

9. After you change a login ID in Analysis Manager, you must also reset the login credentials in SQL Server Enterprise Manager as described in the section **Resetting login credentials**.

Changing a password

You can change a password for an existing login ID.

To change a password

1. Open SQL Server Enterprise Manager. Expand the navigation tree and select **Security > Logins**. The existing login IDs are displayed in the right pane.

2. Double-click the login ID for which you want to change the password. The SQL Server Login Properties dialog is displayed.

3. Enter a new password and click **OK**. The Confirm Password dialog is displayed.

4. Enter the new password again in the **Confirm new password** field. Click OK.

5. After you change a password, you must also reset the login credentials in SQL Server Enterprise Manager as described in the **Resetting login credentials** section.

Resetting login credentials

If you change a login ID and/or password, you must also reset the login credentials in SQL Server Enterprise Manager.

To reset the login credentials

1. Open BPC Server Manager. If an error message appears indicating that the login failed, click **OK** in the error message window.

2. From the **Server** menu, select **Reset Login Credentials**. The **Reset Login Credentials** page is displayed.

3. If you changed the password only, perform this step: Select the BPC Server login password, and enter the new password. Click **Update**. A pop-up appears when the processing finished successfully. Click **OK**. Proceed to Step 5.

    > If you changed the Login ID, or if you changed the Login ID and the password, proceed to step 4.

4. If you changed the Login ID, or if you changed the Login ID and the password, perform this step: Select the BPC Server login name and enter the new ID. Select the BPC Server login password, and enter the new password. Click **Update**. A pop-up appears when the processing finished successfully. Click **OK**.

5. Open Microsoft Analysis Manager. Expand the navigation tree and locate for the first database, select the **Data Sources** folder and right click **AppDef**.

6. Select **Edit** from the pop-up menu. The Data Link Properties dialog box is displayed.

7. Change the User name and Password as needed. Check **Allow saving password**. Click **OK**. A security warning is displayed. Click **OK**.

8. Repeat steps 5-7 for every BPC database.

Setting up firewalls

If your BPC server is behind a firewall, you must make a few changes to your BPC setup. You must do the following: **Define external IP addresses** and **Open a firewall port**.

Defining external IP addresses

You must define external IP addresses for BPC components for each application set you want users to be able to access across the firewall. Additionally, an application set restore resets the external IP addresses to internal addresses, so after you restore an application set, you should modify these settings.

To define external IP addresses

1. From Server Manager, select **Options > Server Options**.

2. Complete or change the following fields:

Field	Description
Application Server - External Server name	The external IP address or fully qualified domain name where the Application server resides.
Web Server - External server name	The external IP address or fully qualified domain name where the Web server resides.
Reporting Services Server - External server name	The external IP address or fully qualified domain name where Report Services server resides.

3. Click **Update**.

Opening firewall ports

In addition to defining the external IP addresses, you must open the HTTP port (80), and you can optionally open port 443 in your firewall software.

> If you are authenticating through a firewall with active directory authentication, you must have a secured channel open, and port 445 open in and out if you have NetBT (NetBIOS over TCP/IP) disabled. If NetBT is enabled you must have port 139 open in and out.

Port	Description
80	The default HTTP port. This is required.
443	(Optional) Open this port if you want users to access BPC through a secure sockets layer (SSL) HTTP connection.

To open a firewall port

1. From Server Manager, select **Options** > **Server Options**.
2. Locate the **Reporting Services**, **Application**, or **Web server** sections, and next to **Port number**, enter the desired number.
3. Click **Update**.

Kerberos authentication settings

If you select 'Kerberos' as the authentication type during the BPC server installation, some default settings for IIS and Web.config are set. After the installation, if you want to change the authentication type from Windows to Kerberos, you must change the settings for IIS and Web.config manually.

Settings for 3rd party applications, Active Directory, and Internet Explorer are not supported by the installation and should be set manually, as described below, if you use the Kerberos authentication type.

IIS settings

Only 'Integrated Windows Authentication' for 'osoft' and 'fp_client' virtual directory is selected in 'directory security' on the Web server and Application server. 'Basic authentication' for them should be unselected. (There is no 'fp_client' virtual directory on the Application server.)

> If the Web server and Application server are installed on one machine, you can use the same settings for the 'osoft' and 'fp_client' virtual directory.

Web.config on the Web server

'Appserver_Auth' value should be set to 1 in Web.config in 'Program path\Websrvr\Web' on the Web server.

```
<appSettings>

    <add key="AppServer_URL"
value="https://SEOULQ21.biqa2.com:443/osoft/app"/>

    <add key="AppServer_AUTH" value="1"/>

</appSettings>
```

Settings for delegation in Active Directory

The 'Trusted computer for delegation' option should be selected for the Web server and Application server in the computer properties of Active Directory.

The 'Account is trusted for delegation' option should be selected in the user properties of Active Directory.

Local intranet settings of Internet Explorer (IE)

The URL for the Application server is added to Local intranet settings in IE on the Web server. Also 'Automatic logon only in Intranet Zone' option should be selected in security settings of local intranet.

The URL for the Web server and Application server is added to Intranet settings in IE of the client. Also, 'Automatic logon only in Intranet Zone' option should be selected in the security setting of local intranet.

'Integrated windows authentication' option in IE

The 'Integrated windows authentication' option should be enabled in IE on the Web server and client.

Changing the Server Manager language

After installing a BPC Language pack, you can change the language of the Server Manager interface.

To change the language

1. Install the Language Pack. See the *BPC Installation Guide* for more information.

2. Open Server Manager by selecting **(All) Programs > SAP** > **Server Manager** from the Windows **Start** menu.

3. Select **Options > Language >** *<language_name>*.

Index