



# SBAdmin™

## System Backup Administrator

## QuickStart Guide for System Backup

### TSM Edition

This document provides the steps necessary to create a **full system backup** written directly to a TSM Server, and create boot media for system recovery using the SBAdmin GUI. This document does not include all of the features and options available in the application, but it is intended to be used as a quick reference in starting to use SBAdmin. For more details and further documentation refer to the **SBAdmin TSM Edition User Guide** and the **SBAdmin System Recovery Guides**.

This QuickStart makes the following assumptions:

- SBAdmin TSM Edition software is installed on **Administrator** system
- SBAdmin client software is installed on **client(s)**
- IBM TSM API client software is installed on **Administrator** and **client(s)**
- The **Administrator** and the **client(s)** are registered nodes on the TSM server

### Starting the Administrator GUI

You must be logged on as the “root” user to start the **Administrator** GUI. To start the **Administrator** interface, either launch the program from the desktop icon on the “root” user desktop or type “*sbadmin*” from any terminal.

You may launch the **Administrator** GUI and have it display on a remote Xwindow session by typing “*sbadmin -d display:0*” (where “*display*” is the hostname or IP address of the remote host). It may be necessary for you to type “*xhost +*” on the remote system to allow remote systems to use its display.

### Quick Help

You may at any time move the cursor over any object (menu option, listbox, button or entry field) in the GUI and press the **right mouse button**. A popup message will appear with information on its use and any options, warnings or instructions.

#### 1. Creating SBADMIN Management Class on TSM server

All SBAdmin backups will be stored under a TSM management class named **SBADMIN**. This management class must be defined to not allow versioning.

To create the management class, login to the TSM server using *dsmadm*.


- Define SBADMIN Management Class  
*DEFINE MGMTCLASS policydomain policyset SBADMIN*  
(Where *policydomain* and *policyset* are appropriate names based on your TSM server configuration)
- Define New Copygroup  
*DEFINE COPYGROUP policydomain policyset*  
*SBADMIN type=backup destination=backuppool*  
*verexists=1 retonly=0*
- Activate the Policyset  
*ACTIVATE POLICYSET policydomain policyset*

#### 2. Configuring Linux, Solaris or AIX Clients

A **client** is defined as any system that will be backed up using SBAdmin. Each client should already be registered as a TSM node.

**Note:** The **Administrator** must be configured as a SBAdmin **client** so that it may manage the backups of other nodes.


To add a client, click **Configure→Clients/Nodes** from the menu bar. The **TSM Clients (nodes)** window will appear. Type the name of the client (hostname or IP address) and its TSM NODEName. If the TSM server is configured as *PASSWORDAccess “prompt”* then you must also provide the node password. When done, press the **Save** button. Refer to the **SBAdmin TSM Edition User Guide** section **Configuring Clients** for further documentation.

Press the **Cancel**  button to close the window.

### 3. Configuring TSM Servers

When configuring a TSM server, you will need to know the following:

- *PASSWORD*Access method
- *TSM Administrator* UserID and Password  
**Note:** This UserID must have *System* or *Policy privilege* on the TSM server
- *TCP*Port used by TSM server

To configure a TSM server, select **Configure**→**Servers** from the menu bar. Type the name you wish to use to identify this server, select the *PASSWORD*Access method, enter the *TSM Admin UserID and Password*, and enter the *TCP*Port number. Press the **Add/Change** button to save the server information, and then you may press the **Cancel**  button to close the window. Refer to the *SBAAdmin TSM Edition User Guide* section **Configuring TSM Servers** for further documentation.

**Note:** The *TCP*Serveraddress will default to the server name you enter. If not using the hostname or IP address of the TSM server, then you must enter the hostname or IP address of the server here.


### 4. Creating a System Backup Job

A backup job must be created before any backup may be performed. There are many features and options available when configuring backup jobs that are not included in this document. Refer to the *SBAAdmin TSM Edition User Guide* section **Creating a Backup Job** for further documentation.

To create a SBAAdmin *full system backup job*, select **Configure**→**Backup Jobs** from the menu bar. The **Configure Backup Job** window will appear where you enter the **Job ID**. You may press the **Assign New** button or enter your own **Job ID**.

Select the TSM server from the **Server Name** listbox. You may also select *local (client tape)* if you wish to write the backup to a locally-attached tape drive on the client.

Select *FULL\_SYSTEM* from the **Profile Name** drop-down list. Enter, or select from the drop-down list, “*all*” or the individual *volume groups* or *ZFS pools* you wish to include in the backup in the **Volume Group Name(s) or Zpool Name(s)** field. Select the **Client(s)** that you would like to be included in this backup job. Indicate the **Backup Schedule** for this backup job or select to run the job *On Demand*.

Press the **Save** button to save the job information, and the **Cancel**  button to close the window.

### 5. Running a System Backup Job


The backup job will run according the **Backup Schedule** specified when creating the backup job in the previous step. You may, however, start any job at any time by selecting **Actions**→**Run Backup Jobs** from the menu bar, selecting the **Backup Job ID** from the listbox, and pressing the **Run Now** button.

To view the status and progress of the backup job, select the **View Queues** button. The Administrator interface will display the **Queued/Running Jobs**, and you may select the **Show Status/Output** button to display the **Backup Status Report**.

### 6. Creating SBAAdmin Boot Media

A *SBAAdmin System Backup* contains all of the backup data and the information needed to recreate the system and restore the data, but to access the *System Recovery* process, boot media must be created. **Always test your boot media before you actually need it.** Refer to the *AIX, Linux, or Solaris System Recovery Guide* section **Creating Boot Media for System Installation** for further documentation.

**Note:** A full system backup of an AIX or Linux on pSeries system, which is written to the client’s local tape drive, will automatically make the tape bootable. It is not necessary to create additional boot media.

To create **SBAAdmin Boot Media**, select **Utilities**→**Create System Installation Media** from the menu bar. Select the client for which the boot media will be created from. Select the **Media Type to Create**, either *CDROM*, *Tape* (AIX or Linux on pSeries only), or *Network*. Press the **Create/Update** button to create the boot media. The status of the creation process and additional information about the boot media will be displayed. When complete, press the **Cancel**  button to close the window

It is good practice to test the SBAAdmin boot media. This will ensure that you are able to bring the system up into the *SBAAdmin System Recovery* process. To do this you may have to enter the BIOS or system firmware to select the proper device to boot from.

**Note:** Booting the system with the SBAAdmin boot media will have no effect on the system. No system configurations are changed and nothing will be written to the disk(s) by simply booting the system with the SBAAdmin boot media.