

Backing up the Database

Slide 1

Tivoli

IBM

IBM Security SiteProtector System v2.0 SP8.1

Backing up the database



This is a self-running demonstration that shows you how to complete a task.
Controls are available at the bottom of the screen.

© Copyright IBM Corporation 2011 All rights reserved.

Backing up the Database

Objectives



Objectives

When you complete this module, you will be able to:

- Configure automatic backups of the SiteProtector Database
- Add a backup device
- Back up the SiteProtector Database manually

Slide 3



Backing up the database automatically

- The automatic database backup job archives only the data that is in the RealSecureDB database. The backup does not include data that is stored in these databases



MasterDB



model



msdb

- Backing up RealSecureDB restores
 - Data purged during automatic database maintenance
 - Databases that are damaged or corrupted
- After configuring the automatic database backup, you must run a script to add a backup device

© 2011 IBM Corporation

Backing up the Database

Slide 4

The screenshot shows the SiteProtector Agent View interface. The left sidebar displays a tree view under 'My Sites' with the following structure:

- 192.168.5.128
 - IBM-ISS
 - Network IPS
- Ungrouped Assets

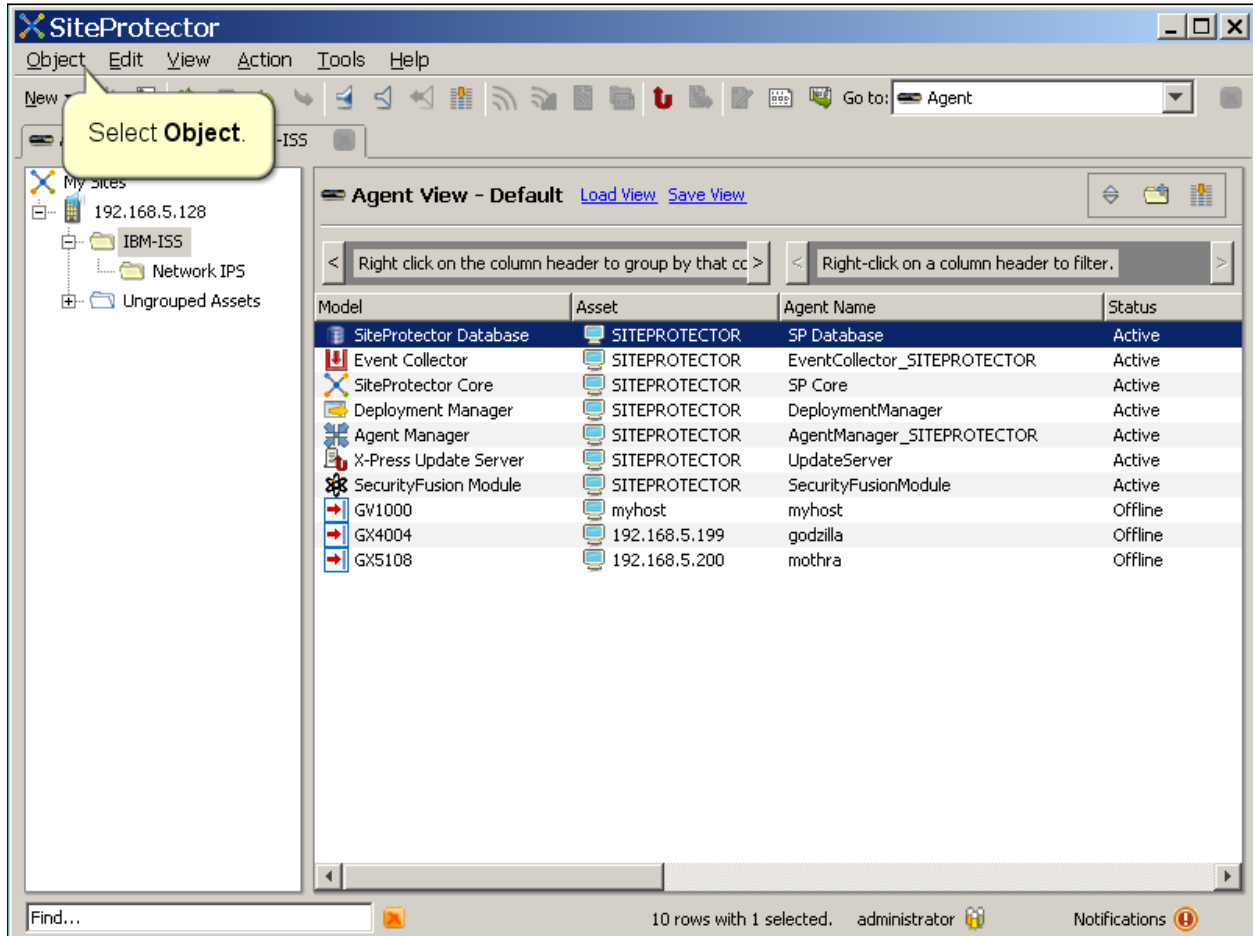
The main area is titled 'Agent View' and contains a table with the following columns: Model, Asset, Agent Name, and Status. A yellow callout box points to the 'SiteProtector Database' row with the text: 'In the Agent view, select SiteProtector Database.' A purple callout box at the bottom left contains the text: 'This demonstration shows you how to automatically back up the SiteProtector Database.'

Model	Asset	Agent Name	Status
SiteProtector Database	SITEPROTECTOR	SP Database	Active
Event Collector	SITEPROTECTOR	EventCollector_SITEPROTECTOR	Active
SiteProtector Core	SITEPROTECTOR	SP Core	Active
Deployment Manager	SITEPROTECTOR	DeploymentManager	Active
Agent Manager	SITEPROTECTOR	AgentManager_SITEPROTECTOR	Active
X-Press Update Server	SITEPROTECTOR	UpdateServer	Active
SecurityFusion Module	SITEPROTECTOR	SecurityFusionModule	Active
GV1000	myhost	myhost	Offline
GX4004	192.168.5.199	godzilla	Offline
GX5108	192.168.5.200	mothra	Offline

At the bottom of the window, the status bar shows 'Find...', '10 rows with 1 selected.', 'administrator', and 'Notifications'.

Backing up the Database

Slide 5



The screenshot shows the SiteProtector interface. A yellow callout bubble with the text "Select Object." points to the "Object" menu item in the top navigation bar. The main window displays the "Agent View - Default" tab, which contains a table of agents. The table has four columns: Model, Asset, Agent Name, and Status. The first row is selected, showing the "SiteProtector Database" agent.

Model	Asset	Agent Name	Status
SiteProtector Database	SITEPROTECTOR	SP Database	Active
Event Collector	SITEPROTECTOR	EventCollector_SITEPROTECTOR	Active
SiteProtector Core	SITEPROTECTOR	SP Core	Active
Deployment Manager	SITEPROTECTOR	DeploymentManager	Active
Agent Manager	SITEPROTECTOR	AgentManager_SITEPROTECTOR	Active
X-Press Update Server	SITEPROTECTOR	UpdateServer	Active
SecurityFusion Module	SITEPROTECTOR	SecurityFusionModule	Active
GV1000	myhost	myhost	Offline
GX4004	192.168.5.199	godzilla	Offline
GX5108	192.168.5.200	mothra	Offline

At the bottom of the window, a status bar indicates "10 rows with 1 selected." and shows the user "administrator".

Backing up the Database

Slide 6

The screenshot shows the SiteProtector Agent View interface. A yellow callout box with the text "Select Properties." points to the Properties pane on the left. The main area displays a table of agents with columns for Asset, Agent Name, and Status. The table contains 10 rows, with the first row selected.

Asset	Agent Name	Status
SITEPROTECTOR	SP Database	Active
SITEPROTECTOR	EventCollector_SITEPROTECTOR	Active
SITEPROTECTOR	SP Core	Active
SITEPROTECTOR	DeploymentManager	Active
SITEPROTECTOR	AgentManager_SITEPROTECTOR	Active
SITEPROTECTOR	UpdateServer	Active
SITEPROTECTOR	SecurityFusionModule	Active
myhost	myhost	Offline
192.168.5.199	godzilla	Offline
192.168.5.200	mothra	Offline

10 rows with 1 selected. administrator Notifications

Backing up the Database

Slide 7

The screenshot shows the SiteProtector console interface. The main window displays a 'DATABASE SIZE' chart with a 'Fail Level' at 80% and a 'Warning Level' at 70%. The chart shows the database size is currently near 0%. A yellow callout bubble points to the 'Database Maintenance' icon in the left sidebar, with the text 'Click Database Maintenance.' Below the chart, there is a 'TempDB Database Size (MB)' section with a description: 'The size of the TempDB Database file to store data that is updated during m...'. The 'Remedy' link is 'What can I do if the system al...'. The console also shows 'Agent Messages' with 'Event Loading' status.

SiteProtector

Object Edit View Action Tools Help

New [Icons] Go to: Properties

Agent : 192.168.5.128 : IBM-155 Properties : 192.168.5.128 : SP Datab...

Health Summary

Agent Details

Database Maintenance

Command Jobs

Database Jobs Performance

AGENT MESSAGES

Event Loading

DATABASE SIZE

1 day 3 day 7 day 1 month 3 month 6 month 12 month

Fail Level

Warning Level

80

70

60

20

10

0

8 AM 12 PM 4 PM 8 PM 12 AM 4 AM

Time

Description: The percentage of used space to the amount of space allocated to the TempDB database file to store data that is updated during m... Your Site will stop functioning if the database file becomes full.

Remedy: [What can I do if the system al...](#)

TempDB Database Size (MB)

1 day 3 day 7 day 1 month 3 month 6 month 12 month Description: The size of the TempDB Database file to store data that is updated during m...

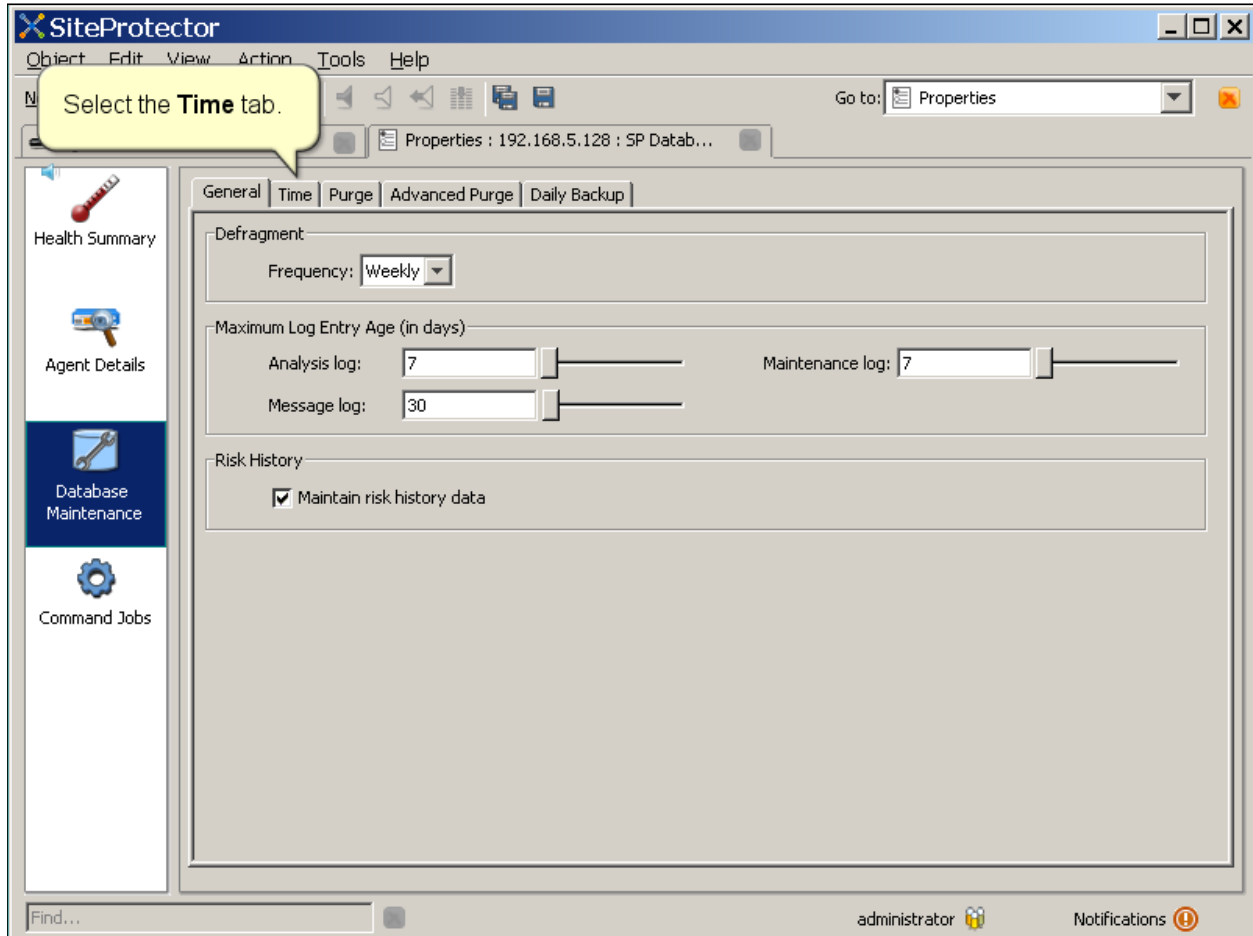
Find...

administrator [User Icon]

Notifications [Icon]

Backing up the Database

Slide 8



The screenshot shows the SiteProtector application window with the 'Database Maintenance' tab selected. A yellow callout bubble points to the 'Time' tab in the top navigation bar, with the text 'Select the Time tab.' The 'Time' tab is currently active, showing settings for defragmentation and log retention. The 'Defragment' section has a 'Frequency' dropdown set to 'Weekly'. The 'Maximum Log Entry Age (in days)' section has sliders for 'Analysis log' (set to 7) and 'Maintenance log' (set to 7). The 'Message log' is set to 30. The 'Risk History' section has a checked checkbox for 'Maintain risk history data'. The left sidebar contains icons for 'Health Summary', 'Agent Details', 'Database Maintenance', and 'Command Jobs'. The bottom status bar shows the user 'administrator' and a 'Notifications' icon.

SiteProtector

Object Edit View Action Tools Help

Go to: Properties

Properties : 192.168.5.128 : SP Datab...

General Time Purge Advanced Purge Daily Backup

Defragment

Frequency: Weekly

Maximum Log Entry Age (in days)

Analysis log: 7 Maintenance log: 7

Message log: 30

Risk History

Maintain risk history data

Find...

administrator Notifications

Backing up the Database

Slide 9

The screenshot shows the SiteProtector interface for configuring database maintenance. The window title is "SiteProtector" and the active tab is "Daily Backup". The "Database Maintenance Time" section is expanded, showing options for "Eastern Standard Time" (selected) and "GMT". The "Weekly maintenance day" is set to "Saturday" and the "Maintenance time of day" is set to "20:00".

Callouts and instructions:

- Select either the Eastern Standard Time or GMT option.** (Points to the radio buttons)
- Select the Daily Backup tab.** (Points to the "Daily Backup" tab)
- Select the time of day to back up the database.** (Points to the "Maintenance time of day" dropdown)

A blue box at the bottom right contains the text: "Schedule automatic database backups to run during off-peak hours to prevent a negative impact on SiteProtector performance."

The interface includes a menu bar (Object, Edit, View, Action, Tools, Help), a toolbar, and a sidebar with "Health Summary", "Database Maintenance", and "Command Jobs". The status bar at the bottom shows "Find...", "administrator", and "Notifications".

Backing up the Database

Slide 10

The screenshot shows the SiteProtector application window. The title bar reads "SiteProtector". The menu bar includes "Object", "Edit", "View", "Action", "Tools", and "Help". The toolbar contains various icons for file operations. The address bar shows "Go to: Properties". The main content area is divided into tabs: "General", "Time", "Purge", "Advanced Purge", and "Daily Backup". The "Daily Backup" tab is active, showing a checkbox for "Perform automatic daily backup" which is currently unchecked. Below this, there are fields for "Backup path:" (C:\), "Recovery model:" (Simple), and "Log backup threshold:" (85%). A yellow callout box with a pencil icon contains the text: "Select the Perform automatic daily backup option." The left sidebar has "Database Maintenance" and "Command Jobs" sections. The bottom status bar shows "Find...", "administrator", and "Notifications" with a warning icon.

Backing up the Database

Slide 11

The screenshot shows the SiteProtector application window with the 'Database Maintenance' tab selected. The 'Daily Backup' sub-tab is active, displaying the following configuration options:

- Perform automatic daily backup
- Backup path: C:\
- Recovery model: Simple
- Log backup threshold: 85 %

A yellow callout box points to the 'Backup path' field with the text: "Select the location where you want to save the backup files. In this demonstration, the default is used."

The interface includes a menu bar (Object, Edit, View, Action, Tools, Help), a toolbar, and a sidebar with navigation options: Health Summary, Agent Details, Database Maintenance (selected), and Command Jobs. The status bar at the bottom shows the user 'administrator' and a 'Notifications' icon.

Backing up the Database

Slide 12

The screenshot displays the SiteProtector application window. The title bar reads "SiteProtector" and the menu bar includes "Object", "Edit", "View", "Action", "Tools", and "Help". The toolbar contains various icons for file operations. The address bar shows "Go to: Properties". The main content area is divided into tabs: "General", "Time", "Purge", "Advanced Purge", and "Daily Backup". The "Daily Backup" tab is active, showing the following settings:

- Perform automatic daily backup
- Backup path: C:\
- Recovery model: Simple
- Log backup threshold: 85 %

A yellow callout box points to the "Recovery model" dropdown, containing the text: "Select the appropriate recovery model. In this demonstration, the Full option is selected."

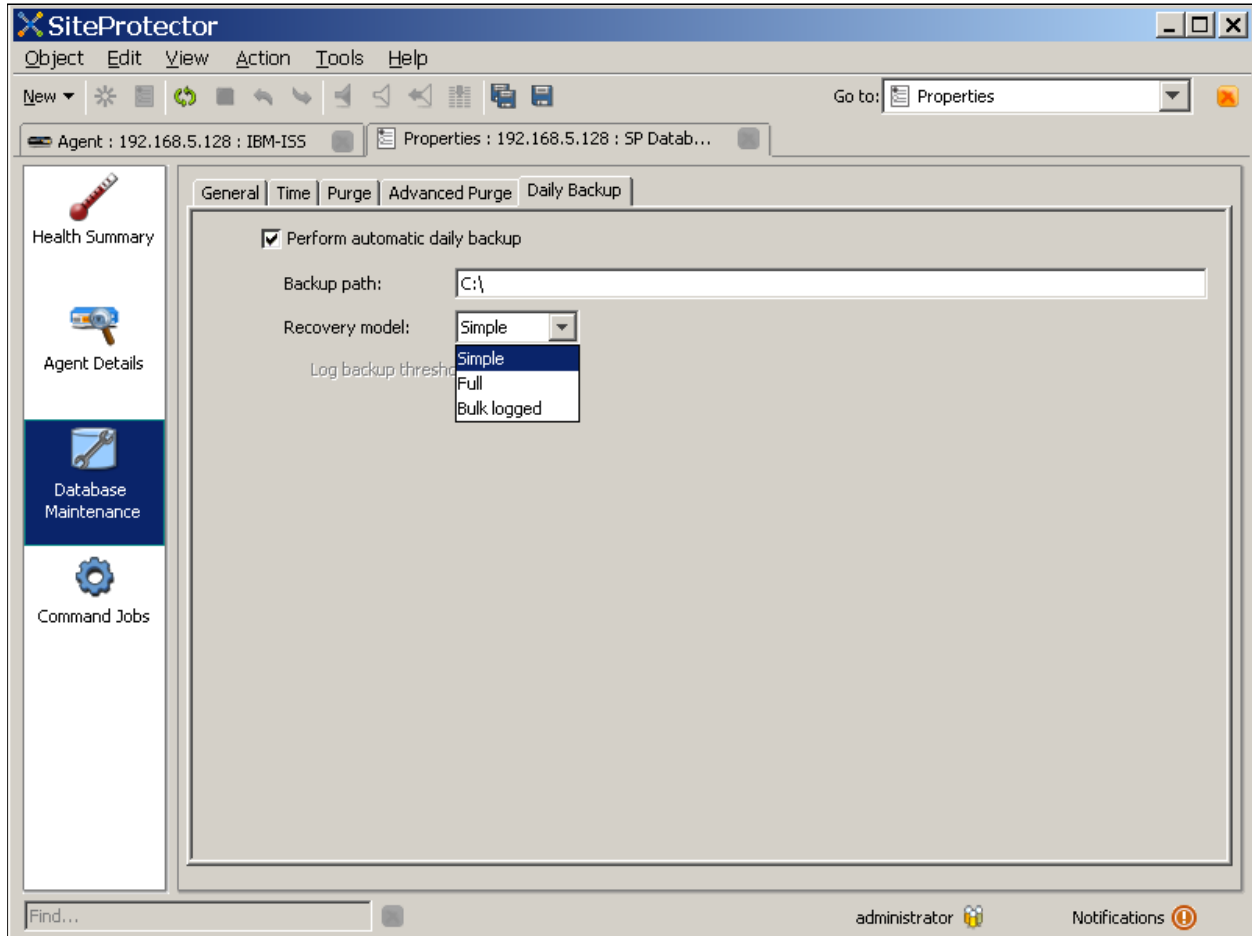
A blue callout box provides additional information:

Simple creates a full backup every day
Full and **Bulk Logged** create differential backups every day and a full backup once a week
For more information about recovery models, refer to your Microsoft SQL documentation.

The left sidebar contains navigation options: "Health Summary", "Agent Details", "Database Maintenance", and "Command Jobs". The status bar at the bottom shows "Find...", "administrator", and "Notifications".

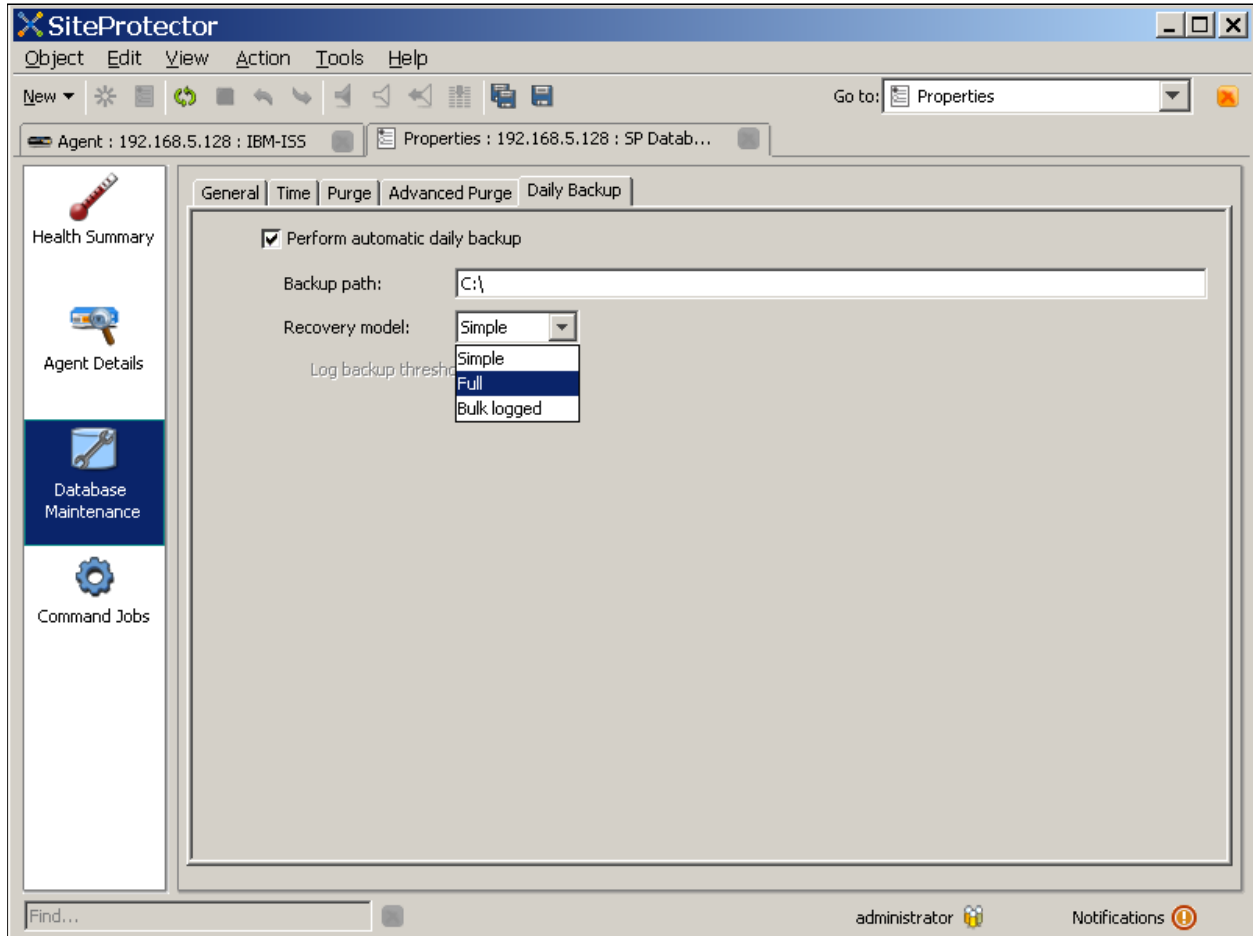
Backing up the Database

Slide 13



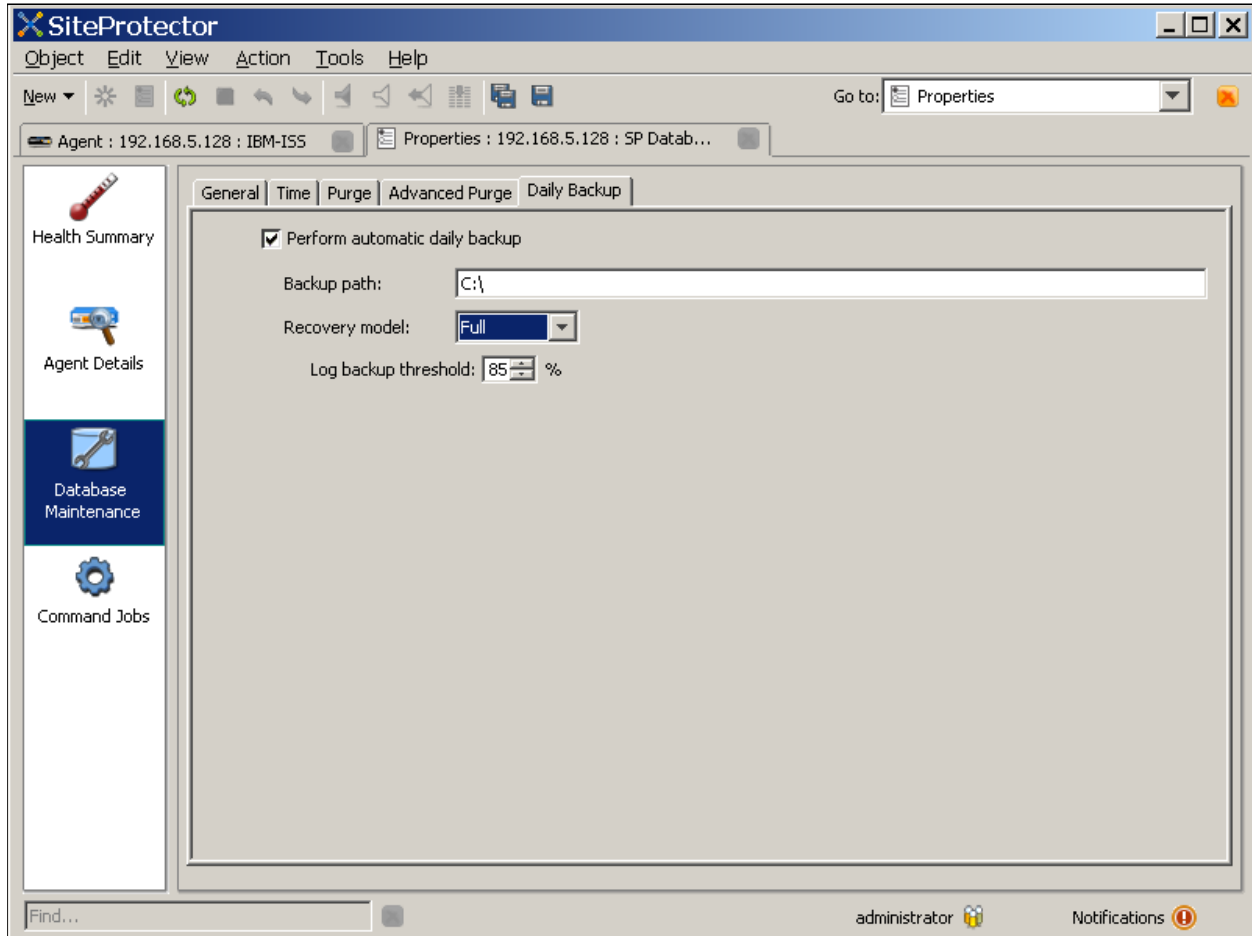
Backing up the Database

Slide 14



Backing up the Database

Slide 15



Backing up the Database

Slide 16

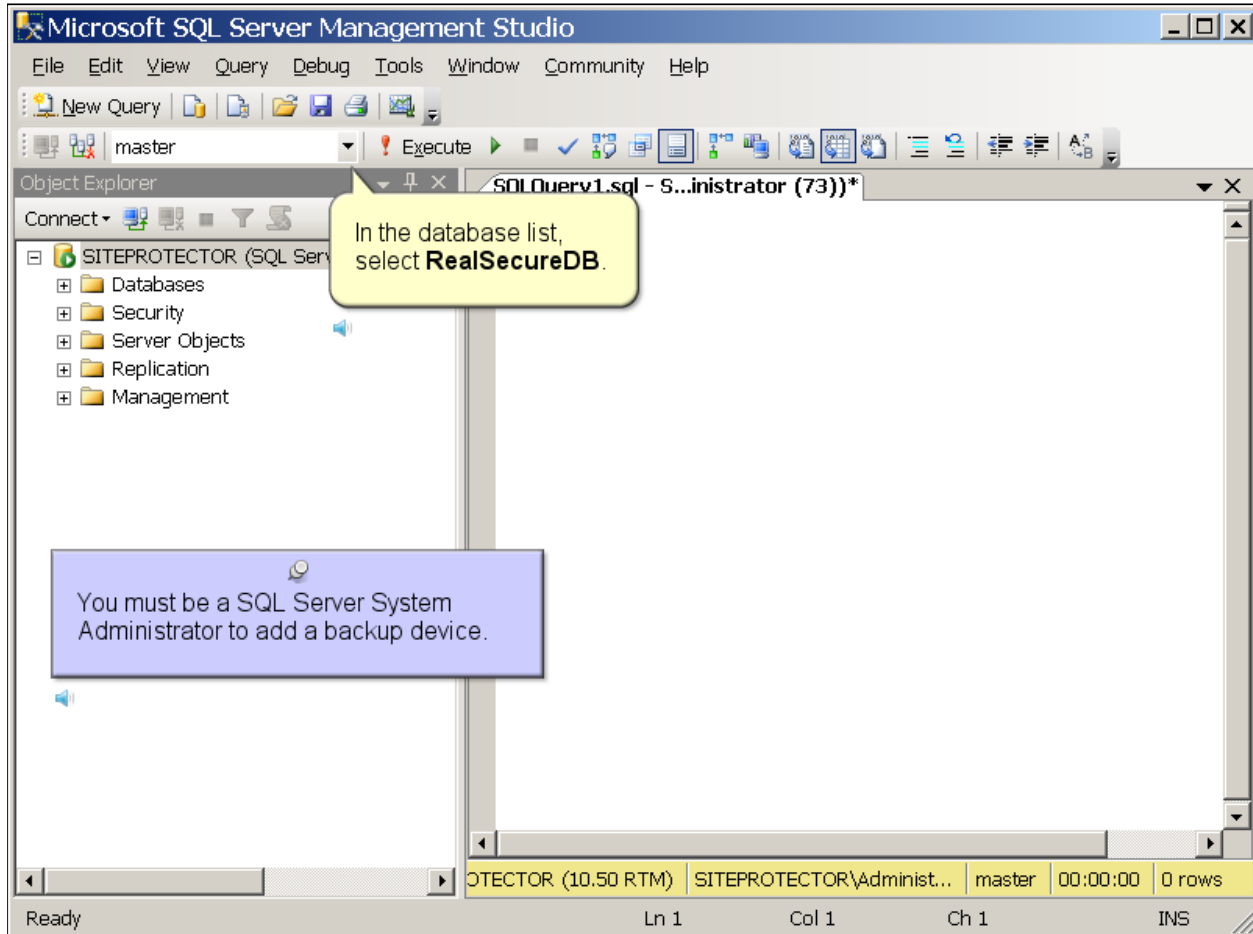
The screenshot shows the SiteProtector interface for configuring database backups. The window title is "SiteProtector" and the menu includes "Object", "Edit", "View", "Action", "Tools", and "Help". The status bar shows "Agent : 192.168.5.128 : IBM-ISS" and "Properties : 192.168.5.128". The "Database Maintenance" tab is active, showing the "Daily Backup" sub-tab. The configuration includes:

- Perform automatic daily backup
- Backup path: C:\
- Recovery model: Full
- Log backup threshold: 85 %

Annotations include a yellow callout pointing to the Save icon in the toolbar with the text "Click Save." and another yellow callout pointing to the "Log backup threshold" field with the text "Select the percentage of total capacity that the transaction log must reach before SiteProtector backs up the log. The default is 85." A purple callout at the bottom right contains the text: "Before the database backup job runs, you must add a backup device to the SQL Server database. Otherwise, SiteProtector cannot write the backup files to the backup path and the job fails". The bottom status bar shows "Find...", "administrator", and "Notifications".

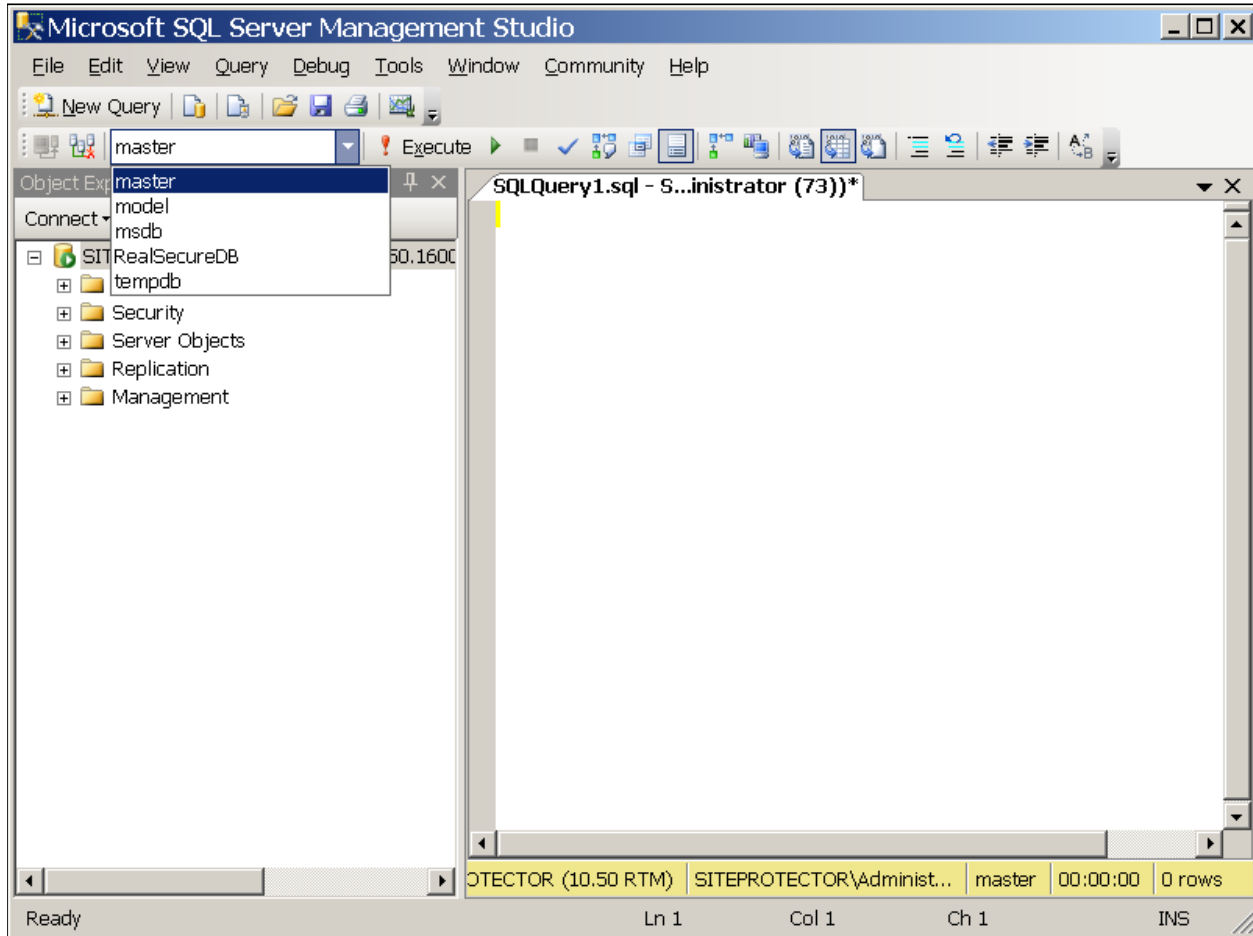
Backing up the Database

Slide 17



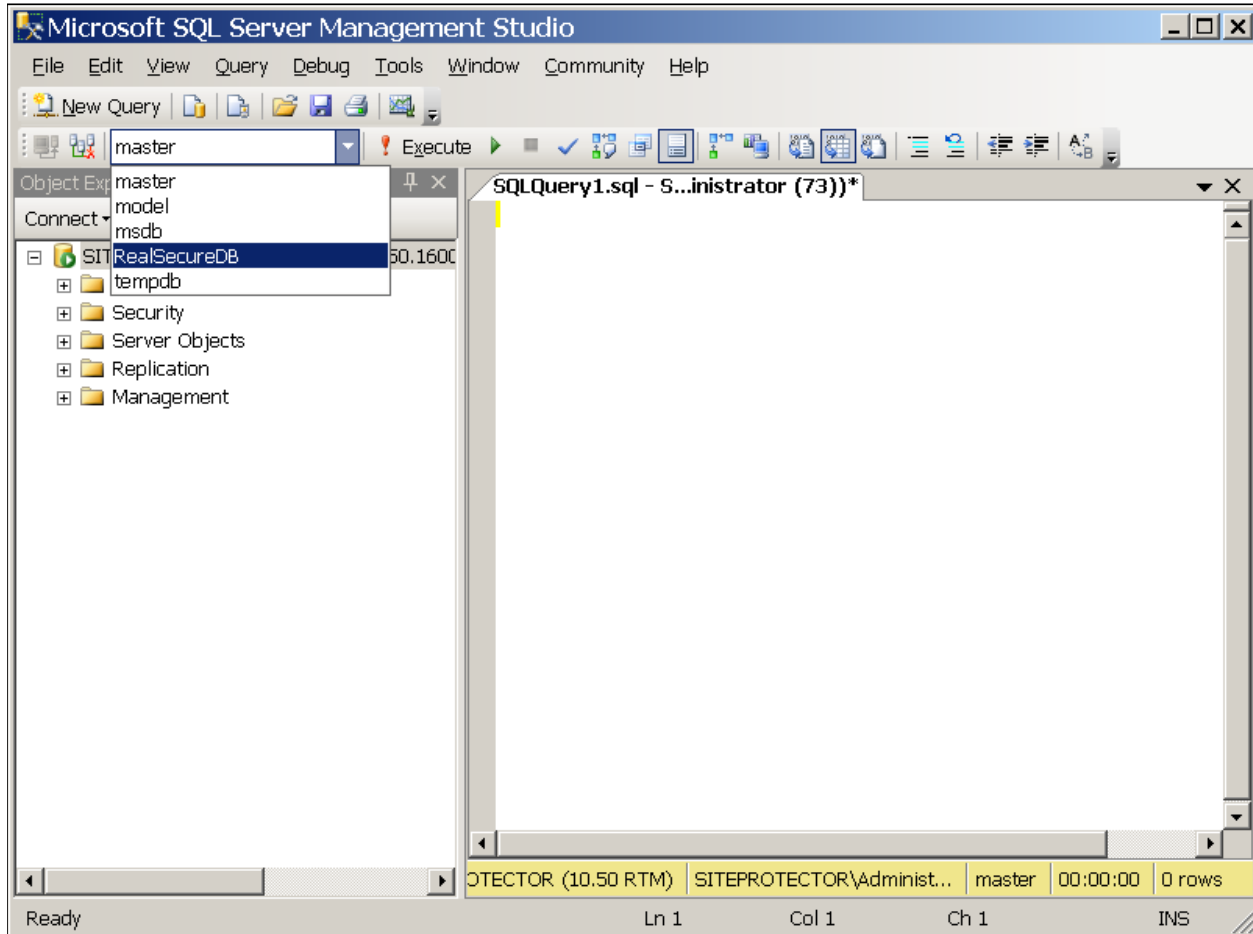
Backing up the Database

Slide 18



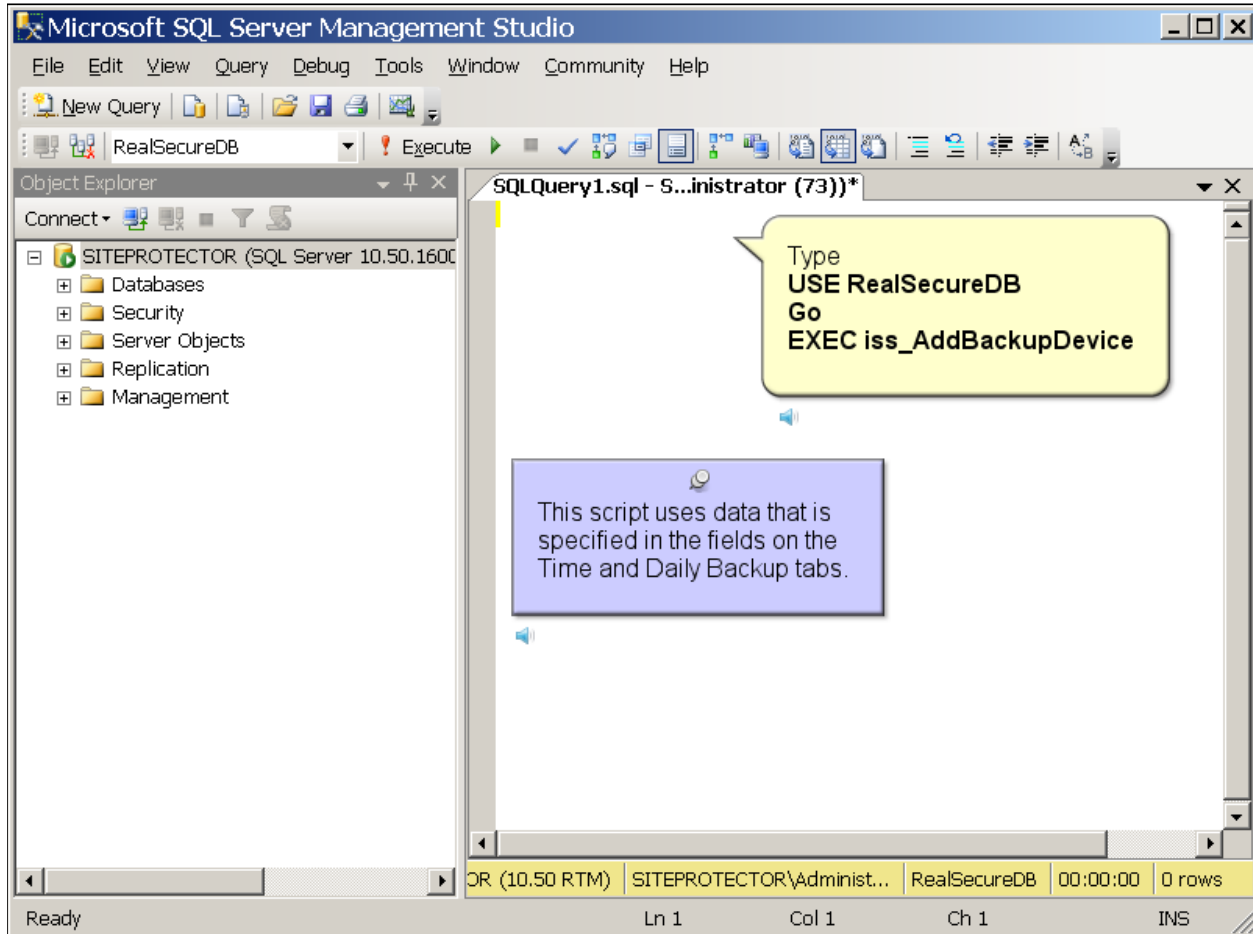
Backing up the Database

Slide 19



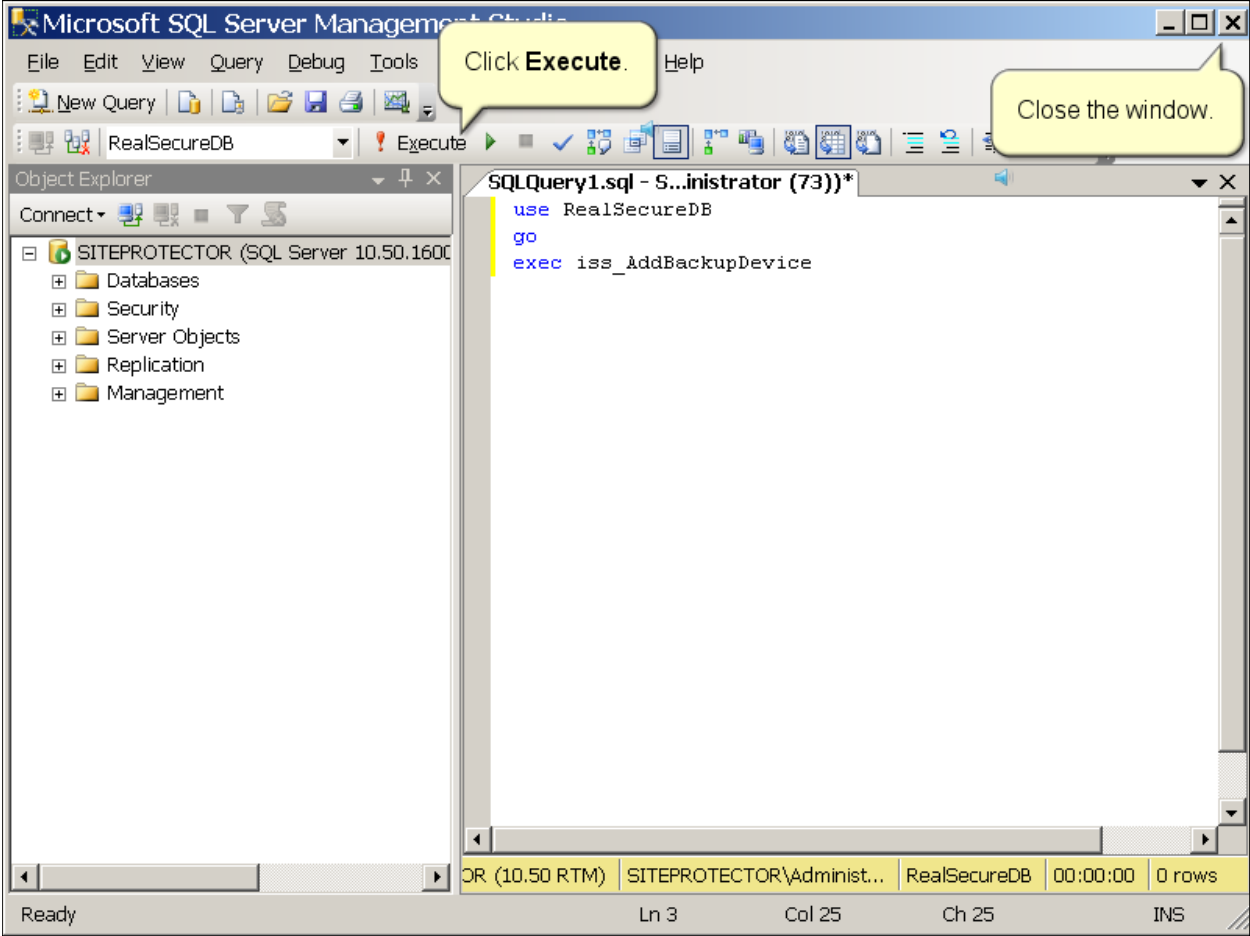
Backing up the Database

Slide 20



Backing up the Database

Slide 21



Backing up the Database

Slide 22

The screenshot shows the SiteProtector interface with the 'Agent View - Default' window. The table below lists the components and their status:

Model	Asset	Agent Name	Status
SiteProtector Database	SITEPROTECTOR	SP Database	Active
Event Collector	SITEPROTECTOR	EventCollector_SITEPROTECTOR	Active
SiteProtector Core	SITEPROTECTOR		Active
Deployment Manager	SITEPROTECTOR		Active
Agent Manager	SITEPROTECTOR		Active
X-Press Update Server	SITEPROTECTOR		Active
SecurityFusion Module	SITEPROTECTOR		Active
GV1000	myhost	myhost	Offline
GX4004	192.168.5.199	godzilla	Offline
GX5108	192.168.5.200	mothra	Offline

A callout bubble points to the 'SiteProtector Database' row, containing the text: "In SiteProtector, verify that the SiteProtector Database is **Active**."



Backing up the database manually

- To manually back up the SiteProtector Database to the location that is specified on the Daily Backup tab, use the commands:

```
exec iss_AddBackupDevice
```

```
exec iss_BackupDatabase 'RealSecureDB'
```

Note: The size of your database influences how long it takes for the backup to run

Slide 24

Trademarks, copyrights, and disclaimers

IBM, the IBM logo, ibm.com, and Tivoli 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 other IBM trademarks is available on the web at "[Copyright and trademark information](http://www.ibm.com/legal/copytrade.shtml)" at <http://www.ibm.com/legal/copytrade.shtml>

THE INFORMATION CONTAINED IN THIS PRESENTATION IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. WHILE EFFORTS WERE MADE TO VERIFY THE COMPLETENESS AND ACCURACY OF THE INFORMATION CONTAINED IN THIS PRESENTATION, IT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. IN ADDITION, THIS INFORMATION IS BASED ON IBM'S CURRENT PRODUCT PLANS AND STRATEGY, WHICH ARE SUBJECT TO CHANGE BY IBM WITHOUT NOTICE. IBM SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES ARISING OUT OF THE USE OF, OR OTHERWISE RELATED TO, THIS PRESENTATION OR ANY OTHER DOCUMENTATION. NOTHING CONTAINED IN THIS PRESENTATION IS INTENDED TO, NOR SHALL HAVE THE EFFECT OF, CREATING ANY WARRANTIES OR REPRESENTATIONS FROM IBM (OR ITS SUPPLIERS OR LICENSORS), OR ALTERING THE TERMS AND CONDITIONS OF ANY AGREEMENT OR LICENSE GOVERNING THE USE OF IBM PRODUCTS OR SOFTWARE.

© Copyright International Business Machines Corporation 2011. All rights reserved.