

Defragmenting the Database

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IBM

IBM Security SiteProtector System v2.0 SP8.1

Defragmenting 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.

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Objectives

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

- Configure the frequency that the SiteProtector Database is defragmented
- Configure the date and time when the defragment job runs
- Run a defragment job manually

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Defragmenting the database

- Defragmenting the SiteProtector Database reduces index fragmentation, resulting in better performance
- The defragment job runs while SiteProtector is in use and does not affect SiteProtector performance
- You cannot disable the defragment job or change the criteria associated with the job

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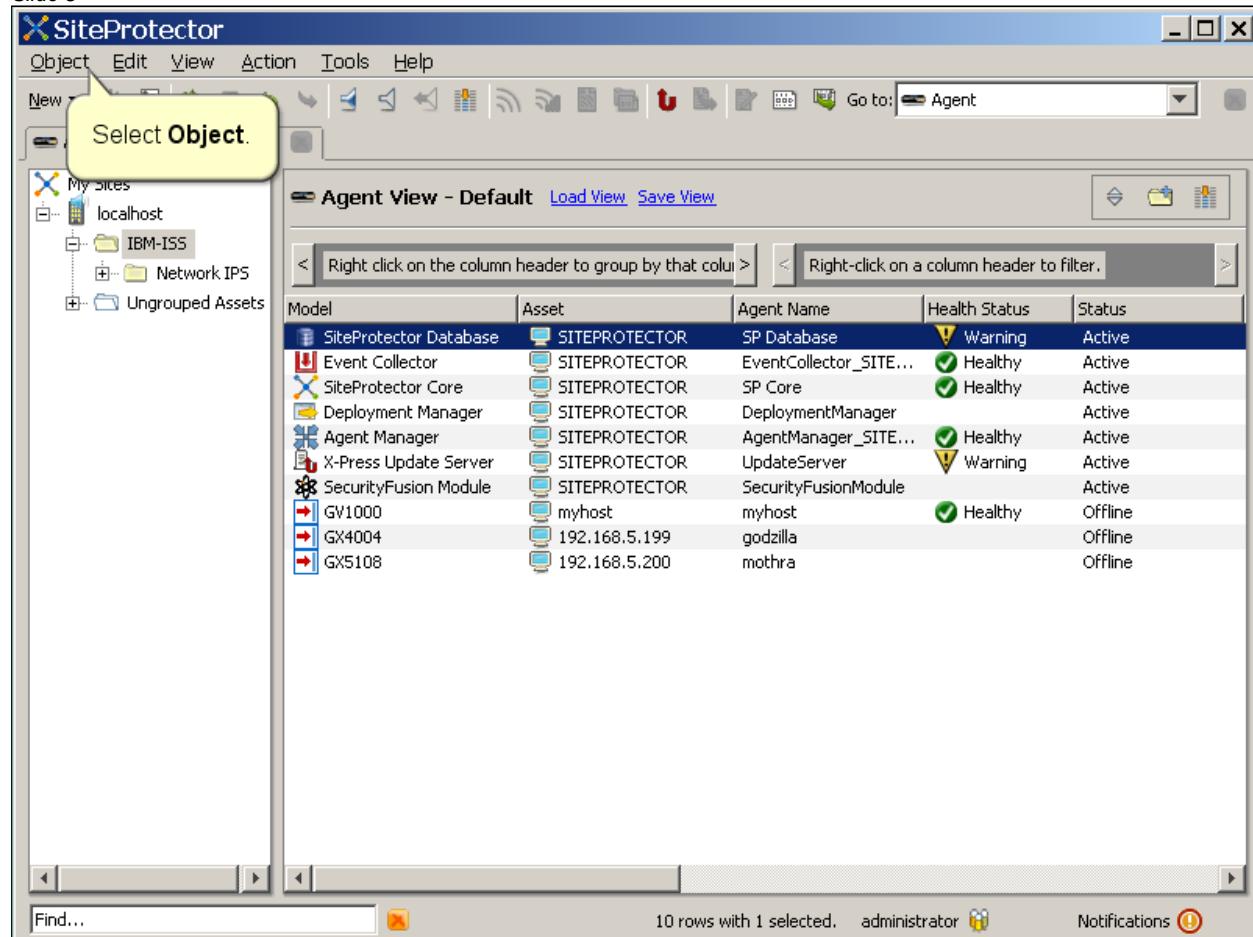
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The screenshot shows the SiteProtector Agent View window. On the left, a tree view shows 'My Sites' with 'localhost' expanded, showing 'IBM-ISS' and 'Network IPS'. Below that is 'Ungrouped Assets'. The main area is titled 'Agent View - [localhost]'. A yellow callout bubble points to the first row of a table: 'SiteProtector Database' (Asset) with 'SP Database' (Agent Name), 'Warning' (Health Status), and 'Active' (Status). The callout text says: 'In the Agent view, select the SiteProtector Database.' Below the table, a purple box contains the text: 'This demonstration shows you how to defragment the SiteProtector Database'. At the bottom of the window, there's a 'Find...' search bar, a status message '10 rows with 1 selected.', and a notifications icon.

Model	Asset	Agent Name	Health Status	Status
SiteProtector Database	SITEPROTECTOR	SP Database	Warning	Active
Event Collector	SITEPROTECTOR	EventCollector_SITE...	Healthy	Active
SiteProtector Core	SITEPROTECTOR	SP Core	Healthy	Active
Deployment Manager	SITEPROTECTOR	DeploymentManager		Active
Agent Manager	SITEPROTECTOR	AgentManager_SITE...	Healthy	Active
X-Press Update Server	SITEPROTECTOR	UpdateServer	Warning	Active
SecurityFusion Module	SITEPROTECTOR	SecurityFusionModule		Active
GV1000	myhost	myhost	Healthy	Offline
GX4004	192.168.5.199	godzilla		Offline
GX5108	192.168.5.200	mother		Offline

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The screenshot shows the SiteProtector application interface. The title bar reads "SiteProtector". The menu bar includes "Object", "Edit", "View", "Action", "Tools", and "Help". A toolbar with various icons is located above the main content area. On the left, a tree view shows "My Sites" with "localhost" expanded, revealing "IBM-155" and "Network IPS". Below this is "Ungrouped Assets". A yellow callout bubble points to the "Select Object" button in the toolbar. The main window is titled "Agent View - Default" with "Load View" and "Save View" links. It features a grid table with columns: Model, Asset, Agent Name, Health Status, and Status. The table contains 10 rows of data, with the first row being selected. The status column uses color-coded icons: yellow for warning, green for healthy, and red for critical. The bottom of the window displays a "Find..." search bar, a notifications icon, and the message "10 rows with 1 selected. administrator".

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

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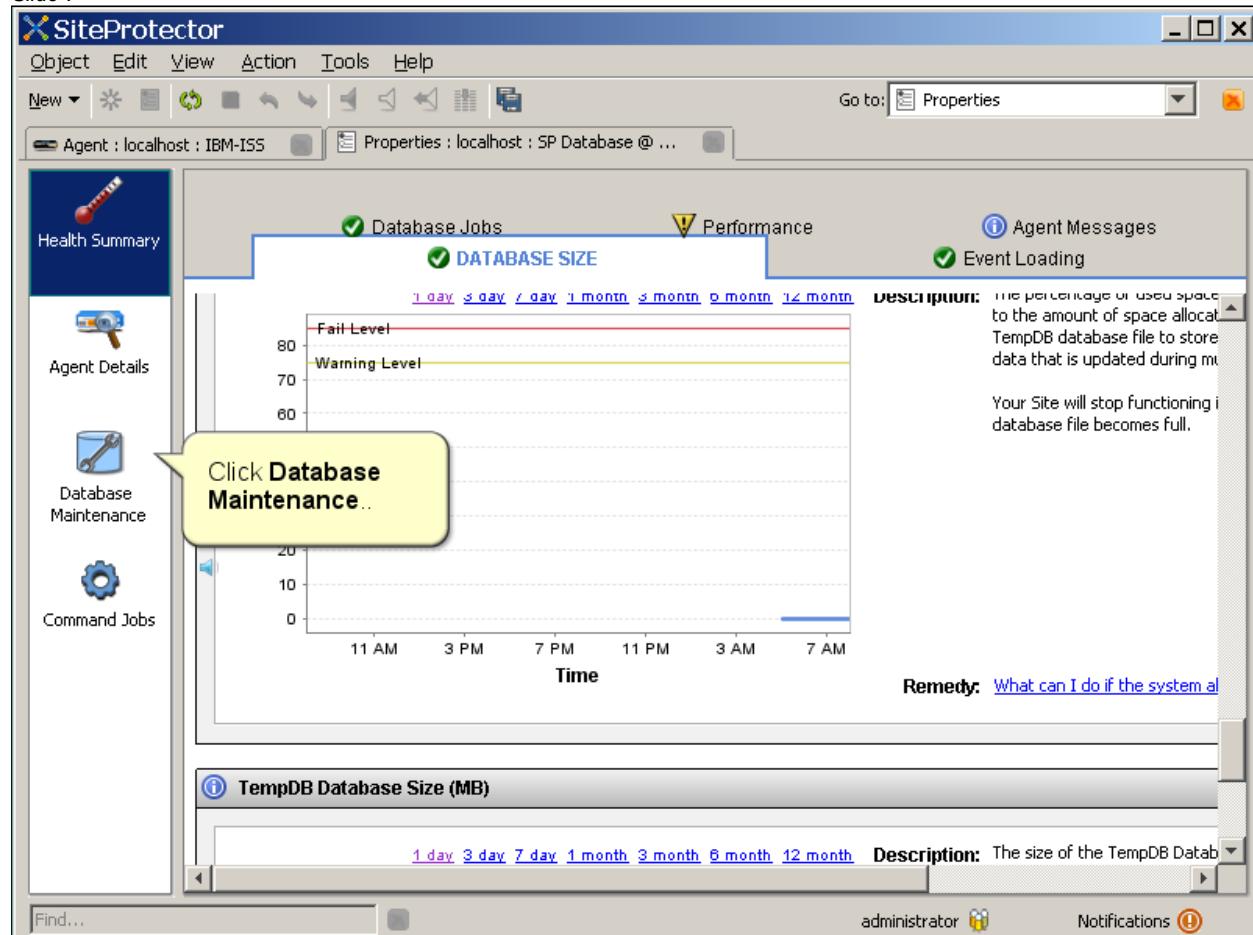
The screenshot shows the SiteProtector application window. On the left, there's a sidebar with options like 'New', 'Open...', 'New Tab', 'New Window', 'Properties', 'Connect to Site', 'Disconnect from Site', and 'Exit'. A yellow callout bubble points to the 'Properties' option with the text 'Select Properties...'. The main area is a grid titled 'Asset View - Default' with columns: Asset, Agent Name, Health Status, and Status. The data in the grid is as follows:

Asset	Agent Name	Health Status	Status
SITEPROTECTOR	SP Database	Warning	Active
SITEPROTECTOR	EventCollector_SITE...	Healthy	Active
SITEPROTECTOR	SP Core	Healthy	Active
SITEPROTECTOR	DeploymentManager		Active
SITEPROTECTOR	AgentManager_SITE...	Healthy	Active
SITEPROTECTOR	UpdateServer	Warning	Active
SITEPROTECTOR	SecurityFusionModule		Active
myhost	myhost	Healthy	Offline
192.168.5.199	godzilla		Offline
192.168.5.200	mother		Offline

At the bottom, there's a 'Find...' search bar, a notifications icon with '10 rows with 1 selected.', the user 'administrator', and a 'Notifications' button.

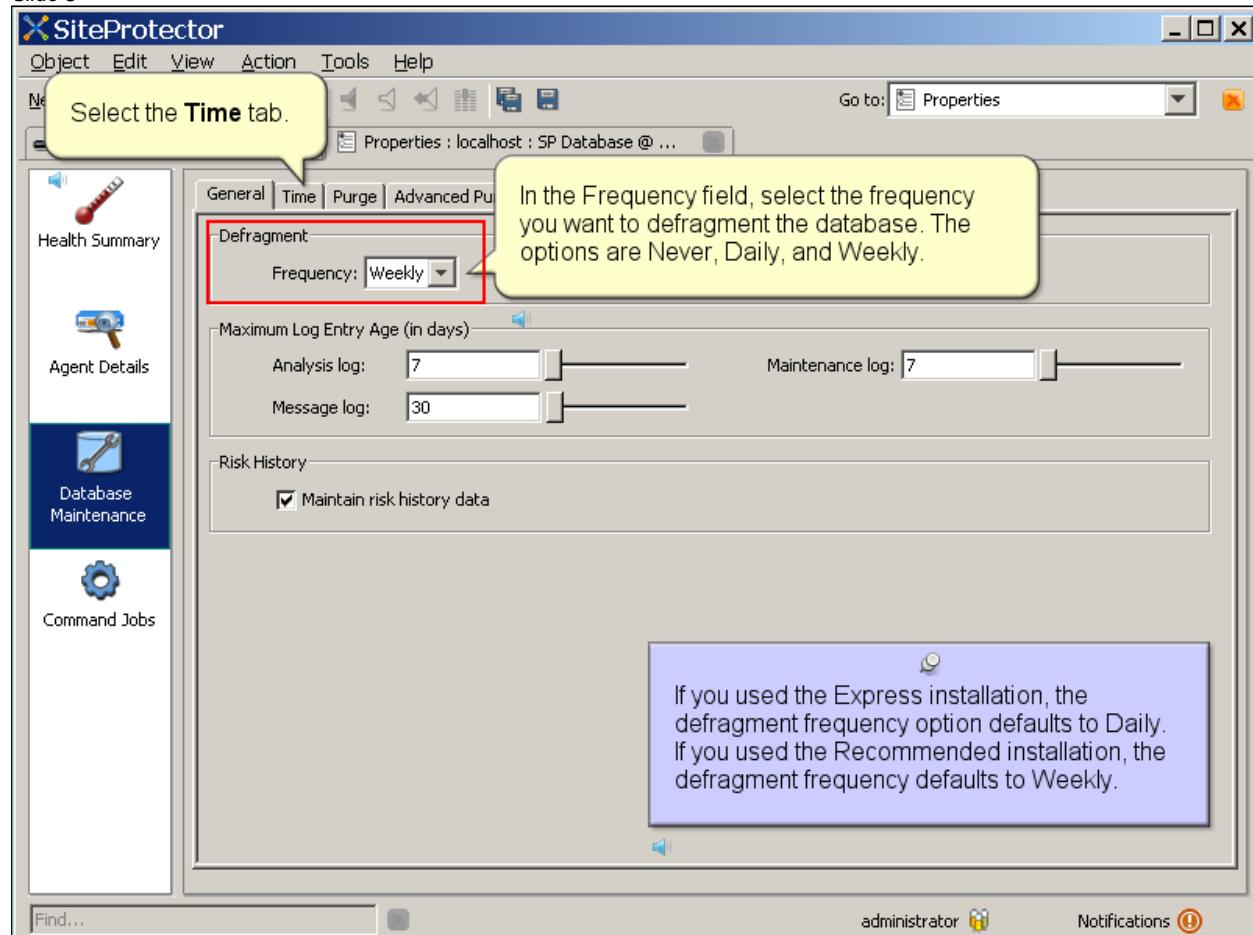
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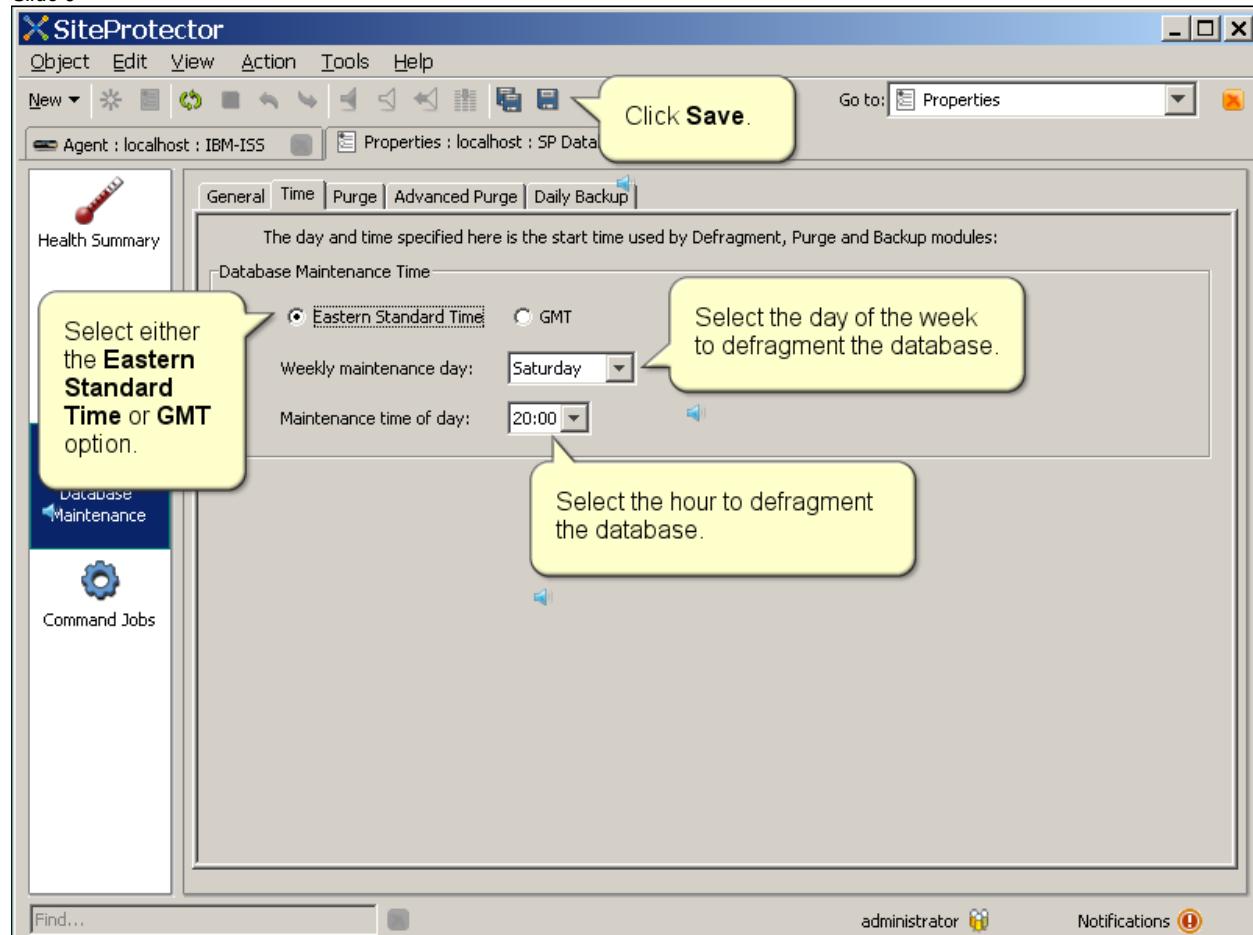
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Defragmenting the database manually

You can manually perform a defragment job by running this command from SQL while in Single User mode:

```
EXEC sp_MSForEachTable 'DBCC DBREINDEX (''?'', '''', 80)'
```

The screenshot shows the SQL Server Management Studio interface. A yellow callout box highlights the command text. The results pane below shows multiple rows of execution messages for each table in the database, all indicating successful completion of the DBREINDEX command.

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Defragmenting the database manually

- You should stop all Event Collectors or place SQL into Single User mode before you manually defragment the database
 - This stops events from writing to the SiteProtector Database during the job
 - If you do not, the defragment job takes an inordinate amount of time
- When the defragment job is complete, restart the issDaemon or place SQL back into Multiple User mode

For more information: <http://msdn.microsoft.com/en-us/library/ms345598.aspx>

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