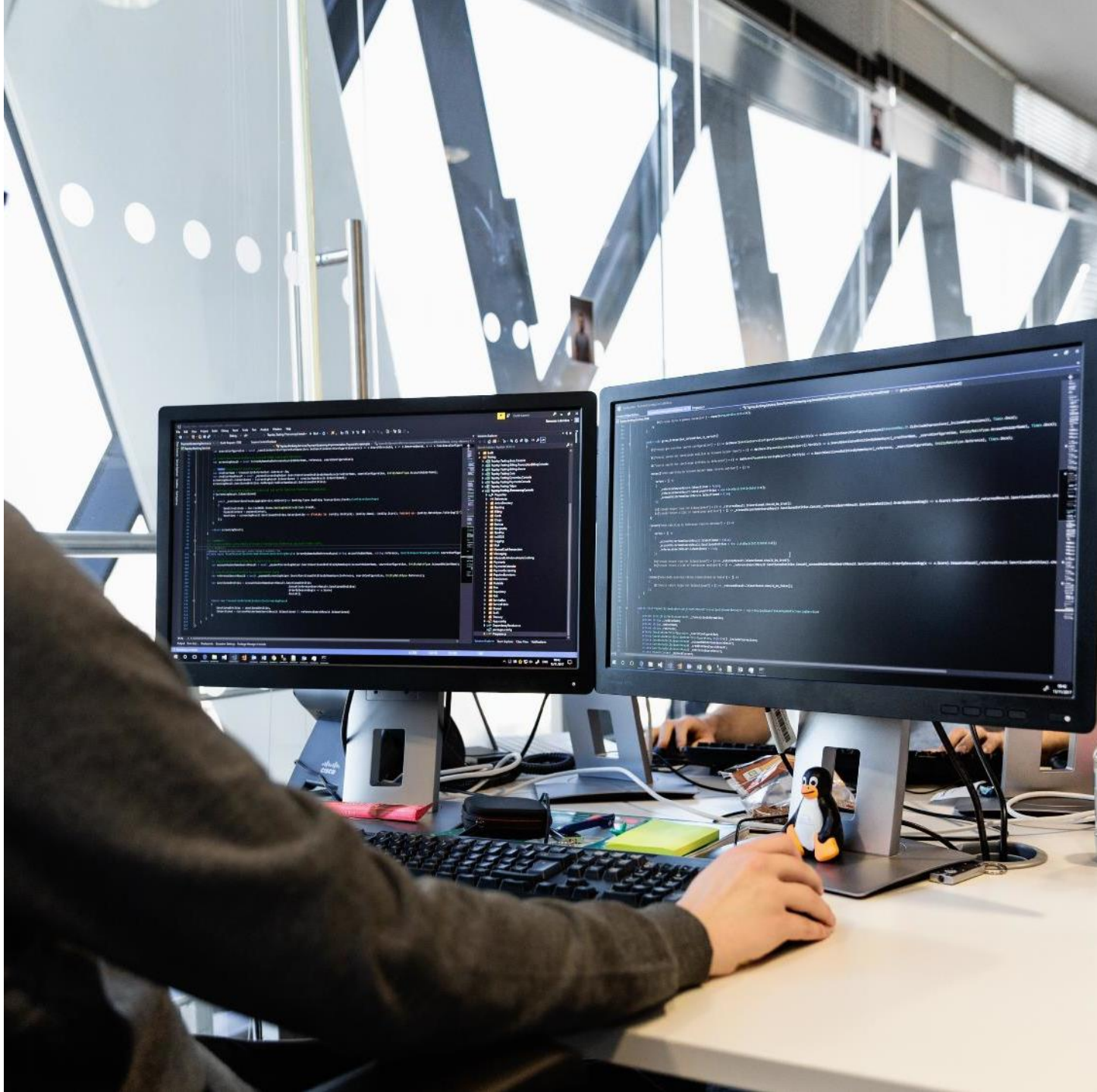
Microsoft

WorkshopPLUS: SharePoint Server Administration

Administration: Monitoring



Agenda - Chapter 1

1 Monitoring

Why Monitoring?

Proactive vs. Reactive work

Analyzing logs and events

Capacity planning

Security and audit

Maintain SLA - avoid outage

Available monitoring tools

- SharePoint Health Analyzer
- Logging database
- Built-in reports
- PowerShell
- Developer tools
- System Center Operations Manager

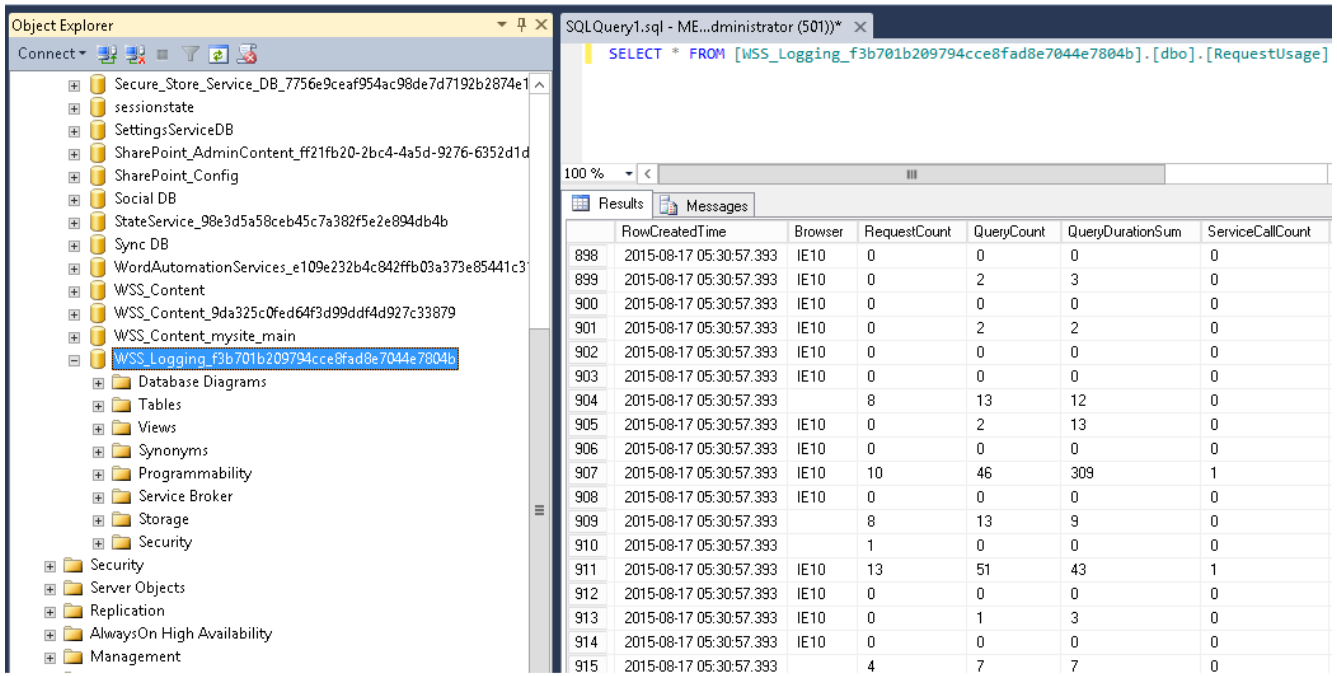
SharePoint Health Analyzer

SharePoint Health Analyzer

Built-in feature in Central Administration to analyze and resolve problems in the following areas:

- Security, performance, configuration and availability

Logging database



	RowCreatedTime	Browser	RequestCount	QueryCount	QueryDurationSum	ServiceCallCount
898	2015-08-17 05:30:57.393	IE10	0	0	0	0
899	2015-08-17 05:30:57.393	IE10	0	2	3	0
900	2015-08-17 05:30:57.393	IE10	0	0	0	0
901	2015-08-17 05:30:57.393	IE10	0	2	2	0
902	2015-08-17 05:30:57.393	IE10	0	0	0	0
903	2015-08-17 05:30:57.393	IE10	0	0	0	0
904	2015-08-17 05:30:57.393		8	13	12	0
905	2015-08-17 05:30:57.393	IE10	0	2	13	0
906	2015-08-17 05:30:57.393	IE10	0	0	0	0
907	2015-08-17 05:30:57.393	IE10	10	46	309	1
908	2015-08-17 05:30:57.393	IE10	0	0	0	0
909	2015-08-17 05:30:57.393		8	13	9	0
910	2015-08-17 05:30:57.393		1	0	0	0
911	2015-08-17 05:30:57.393	IE10	13	51	43	1
912	2015-08-17 05:30:57.393	IE10	0	0	0	0
913	2015-08-17 05:30:57.393	IE10	0	1	3	0
914	2015-08-17 05:30:57.393	IE10	0	0	0	0
915	2015-08-17 05:30:57.393		4	7	7	0

Logging database

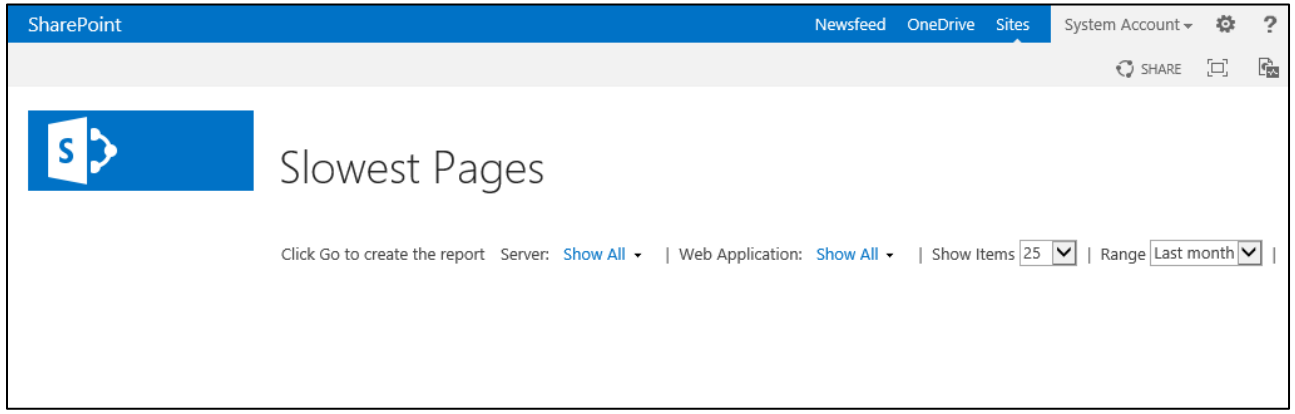
Timer jobs collect health data of the farm.

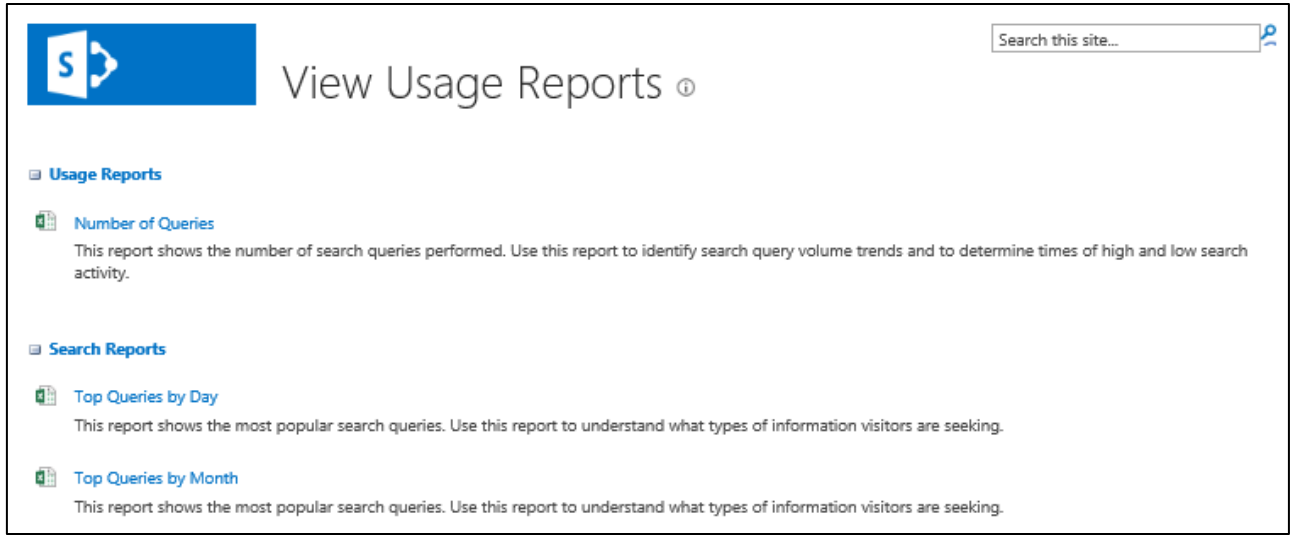
Data is initially stored in the logging folder before being moved to the logging database.

Logging data is used in reports to display the health status of the farm.

It is allowed to query the database directly (only logging database).

Built-in reports





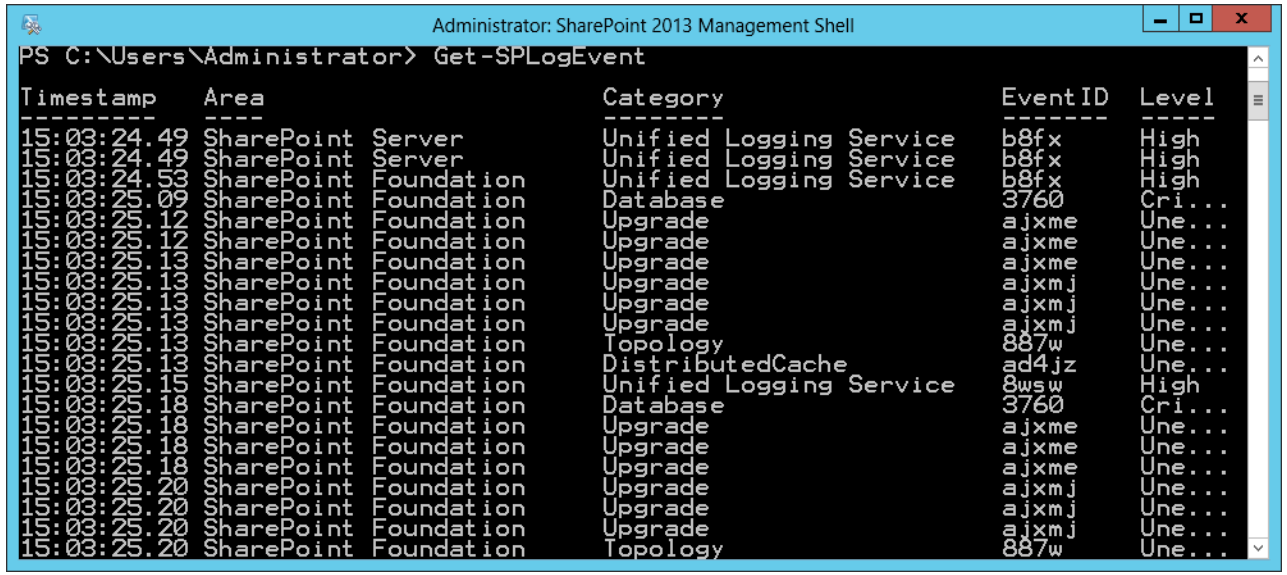
Built-in reporting

This feature lets you configure diagnostic logging, **data** collection, view administrative, and health reports.

It informs you about:

- Slowest Pages
- Search Usage Reports
- Search Health Reports

PowerShell

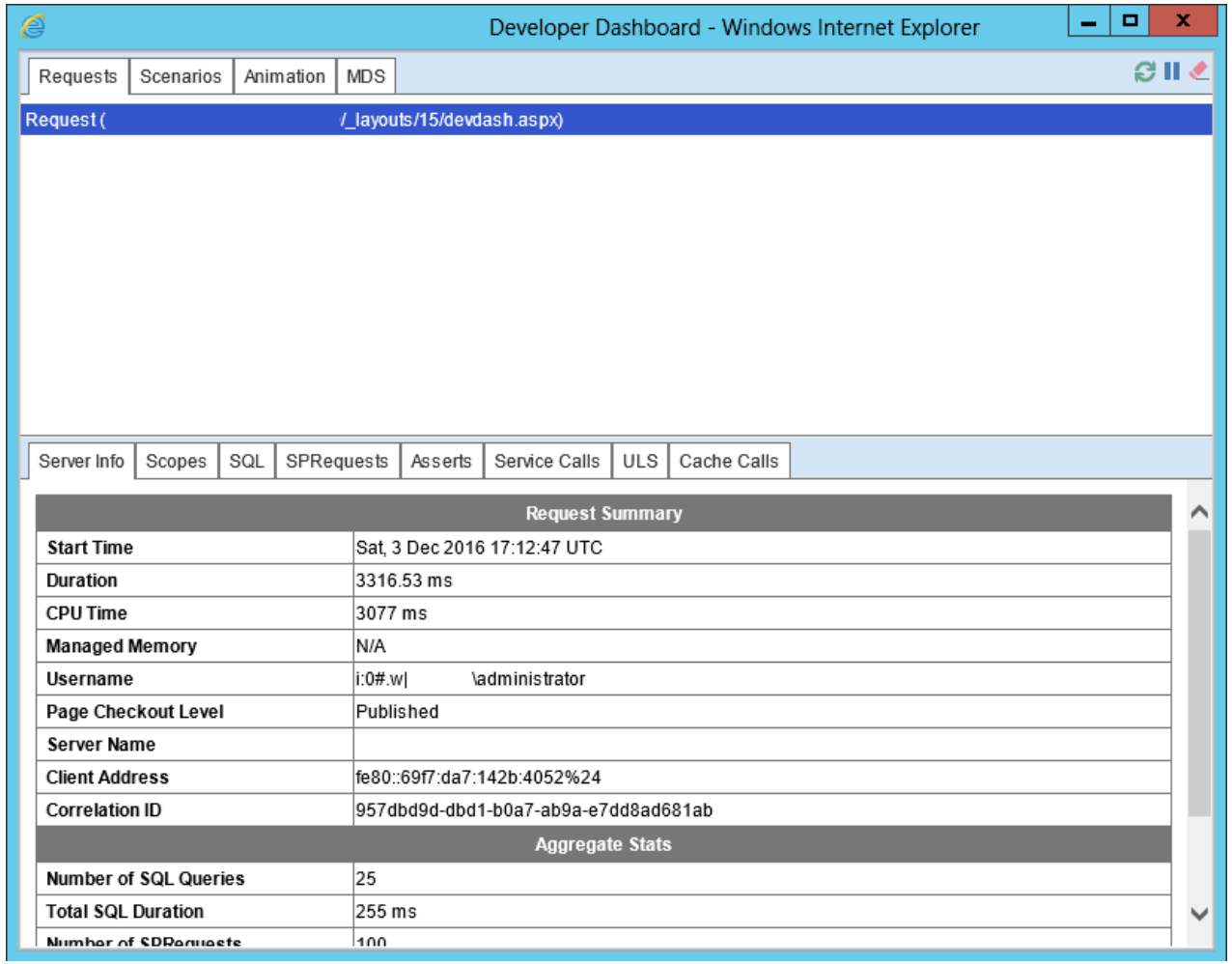


PowerShell

Windows PowerShell is a powerful tool for monitoring SharePoint. You can run commands to obtain the exact logs that you want to view.

Example > Get-SPLogEvent

SharePoint Developer Dashboard

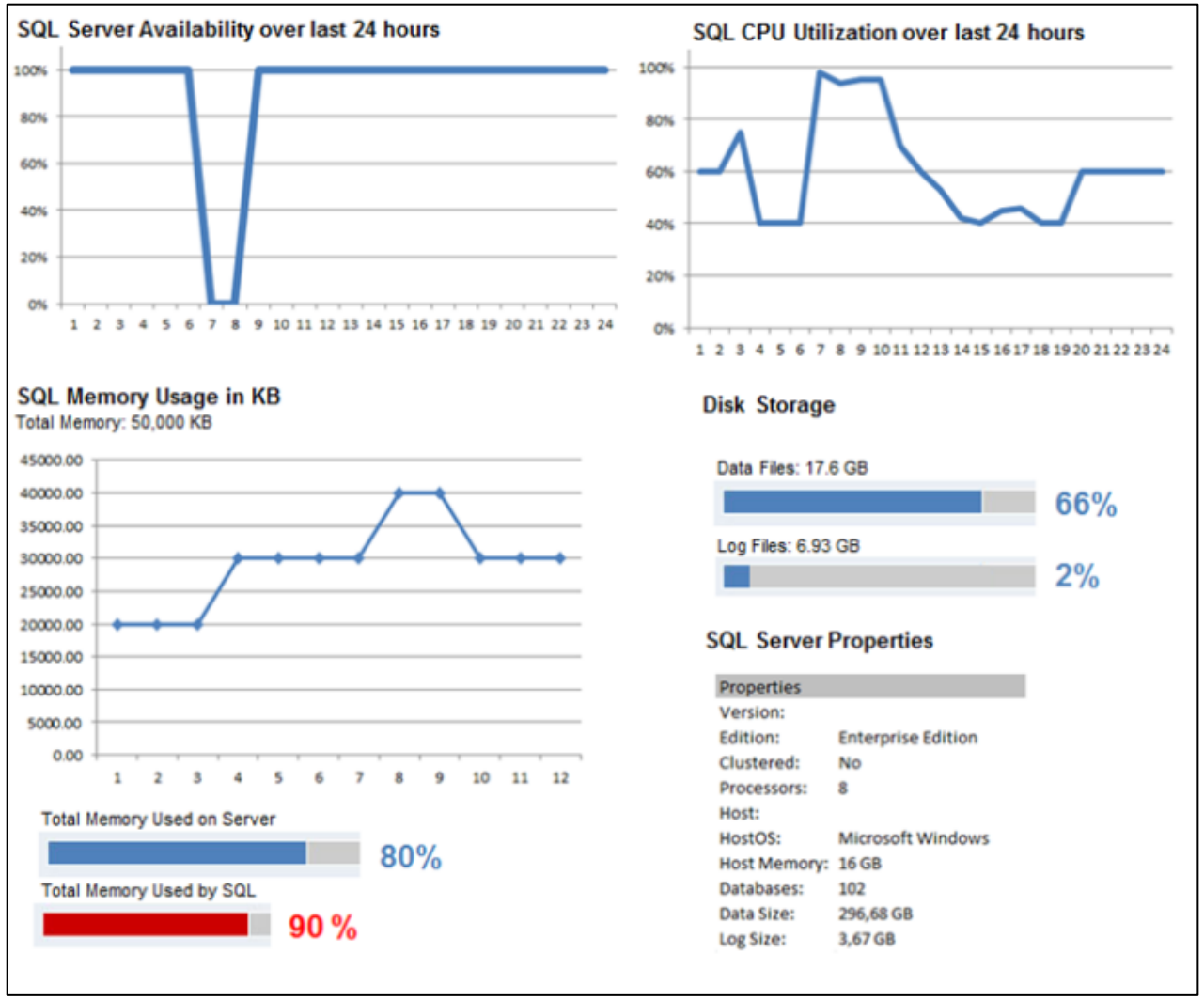


SharePoint Developer Dashboard

Built-in tool provides diagnostic information that can help a developer or system administrator analyze performance of SharePoint webpages.

Help troubleshoot when a page is loading slowly, a Web Part is not performing, or if a database query on the page is not performing.

System Center Operations Manager



System Center Operations Manager (SCOM)

Powerful monitoring platform that lets you monitor services, devices, and operations for many computers in a single console.

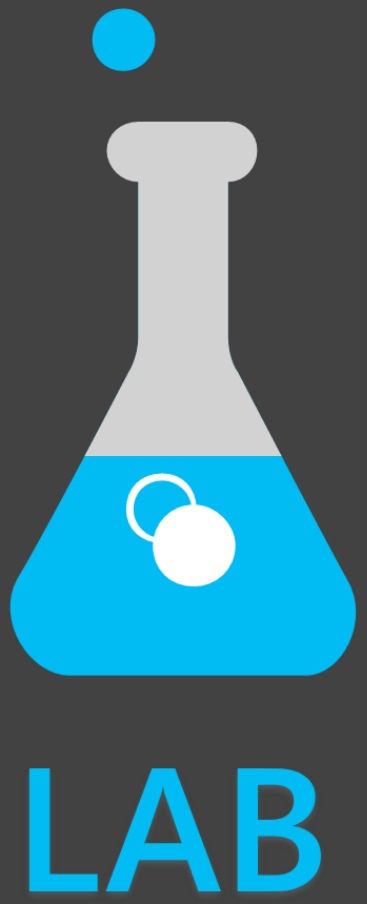
By using Operations Manager, you can view status, health, performance information, and alerts generated for availability, performance, configuration, and security situations.

Lab 4:
Using the SharePoint Health Analyzer

Objectives

After completing this lab, you will be able to:

- Work with the SharePoint Health Analyzer to monitor SharePoint



Knowledge Check

Which tool would you use to monitor slow pages?

- Built-in reports, Logging database

For customization slowness, which tool to recommend?

- SharePoint Developer Dashboard

True or False? System Center is a built-in tool in SharePoint.

- False

Questions?

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