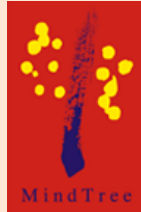


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Sarbjit Singh

Raymond Chou

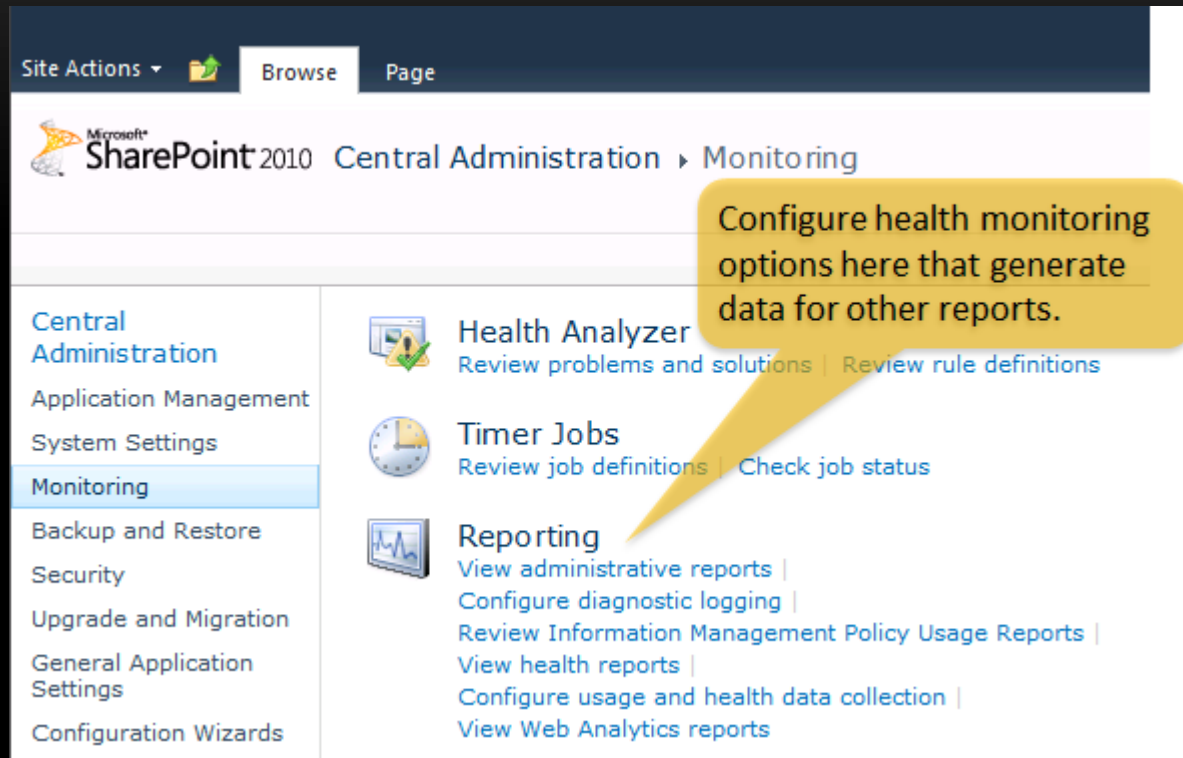
STRATEGIC CHESS MOVES IN MONITORING SHAREPOINT 2010




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IN BUILT MONITORING TOOLS



Site Actions  Browse Page

Microsoft SharePoint 2010 Central Administration > Monitoring

- Central Administration
- Application Management
- System Settings
- Monitoring**
- Backup and Restore
- Security
- Upgrade and Migration
- General Application Settings
- Configuration Wizards

Health Analyzer
[Review problems and solutions](#) | [Review rule definitions](#)

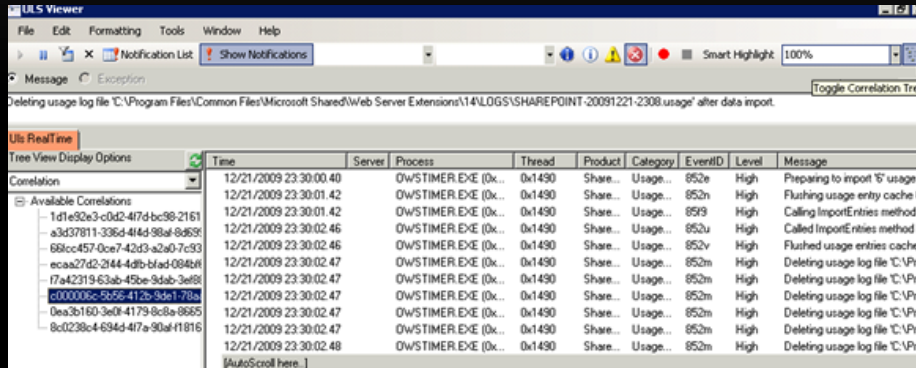
Timer Jobs
[Review job definitions](#) | [Check job status](#)

Reporting
[View administrative reports](#) |
[Configure diagnostic logging](#) |
[Review Information Management Policy Usage Reports](#) |
[View health reports](#) |
[Configure usage and health data collection](#) |
[View Web Analytics reports](#)

Configure health monitoring options here that generate data for other reports.

ULS LOGGING SERVICE

- ULS Log Viewer



- Powershell cmdlets
- Correlation ID tracing
- Manageability improvements

DEVELOPER DASHBOARD

Developer Dashboard

- Request (GET:http://dev10:80/SitePages/Home.aspx) (1116.39 ms)
 - BeginRequestHandler (0.09 ms)
 - PostAuthenticateRequestHandler (0.05 ms)
 - PostResolveRequestCacheHandler (22.41 ms)
 - GetWebPartPageContent (20.71 ms)
 - GetFileAndMetaInfo (20.45 ms)
 - Wiki Edit OnInit (0.09 ms)
 - Wiki Edit OnInitComplete (1.71 ms)
 - Add WebParts (1.26 ms)
 - Shared Documents (0.72 ms)
 - WebPart1 (0.06 ms)
 - Wiki Edit OnLoad (26.47 ms)
 - EnsureListItemData (21.88 ms)
 - ToolBarMenuButton.CreateChildControls for SiteActions (0.26 ms)
 - ToolBarMenuButton.CreateChildControls for PersonalActions (0.08 ms)
 - SearchBoxEx.OnLoad (0.10 ms)

Web Server	
Execution Time	1116.64 ms
Current User	SHAREPOINT\system
Page Checkout Level	Published
Current SharePoint Operations	1
Log Correlation Id	fbe0072b-1db4-4b9c-9c10-ca00f42f3597

Asserts and Critical Events	

Database Queries	
proc_FetchDocForHttpGet	19.94 ms
proc_GetListMetaDataAndEventReceivers	7.55 ms
SELECT t13.[ntext2],	7.73 ms
DECLARE @DocParentIdForRF	5.86 ms



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SHAREPOINT HEALTH ANALYZER (SPHA)

- New feature in SharePoint Foundation 2010
- Enables SPS administrator to create “Health Rules”
- Health Rules check for potential problems related to
 - Configuration
 - Performance
 - Availability
 - Security
 - Custom

Raymond Chou

USING OPERATIONS MANAGER FOR SHAREPOINT 2010 MONITORING



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KEY FEATURES IN THE SHAREPOINT 2010 MANAGEMENT PACK



Monitoring and Knowledge

- Major increase in unit monitors versus SharePoint 2007 MP
- Product Knowledge links to TechNet Knowledge articles
- Monitoring services controlling client application access
- SPHA support built in



High Availability Support

- Built to monitor your entire SharePoint infrastructure
- Support for monitoring multiple SPS farms
- Supports SLA monitoring and reporting for high availability infrastructure



Detailed Class Model

- Significantly more detailed class model
- Adds granularity to health model and monitor targeting
- More than 130 defined classes

CHANGE IN FOCUS

Shift from physical to logical monitoring

- Health State focus on **Services** not **Servers**
 - Shared Services
 - Server Groups
 - Site Collections
 - Relevant Applications
- 150 knowledge articles shifted to TechNet
- Monitors every SharePoint service and SPHA rules out-of-the-box

MONITORING

- Percentage-based Aggregation for Service Availability
- Availability monitoring for Client Applications
- Reduction in rules monitoring non-SPS components

Core Services

- ✓ MS SharePoint Server 2010
- ✓ MS Search Server 2010
- ✓ Search Server Express 2010
- ✓ MS Project Server 2010
- ✓ Access Services • Bus Data Catalogue
- ✓ Document Conversion & Taxonomy
- ✓ Excel Services
- ✓ InfoPath Forms Server

Other Services

- ✓ Social / User Profiles
- ✓ Performance Point Services
- ✓ Secure Store Services
- ✓ SharePoint Designer – User Code
- ✓ Visio Graphics Service
- ✓ Word Services
- ✓ Claims Authorization

demo

VISUALIZING ROOT CAUSE IN SHAREPOINT FOUNDATION 2010



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SHAREPOINT 2010 SLA



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Q&A
ASK AWAY!



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RESOURCES

- Monitoring Sharepoint with SPMonitored Scope
<http://www.wictorwilen.se/Post/Improve-your-SharePoint-2010-applications-with-monitoring-using-SPMonitoredScope.aspx>
- Health Monitoring for Sharepoint
<http://blogs.msdn.com/b/markarend/archive/2010/05/27/health-monitoring-for-sharepoint-2010.aspx>

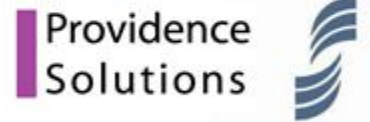
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Monitoring

Configuration Databases (1)

- Data Warehouse
- Dell Server PROPack
- Microsoft Audit Collection Services
- Microsoft Host Integration Server
- Microsoft Host Integration Server
- Microsoft SQL Server
- Microsoft System Center Configuration Man...
- Microsoft Windows Active Directory
- Microsoft Windows DNS Server
- Microsoft Windows Hyper-V
- Microsoft Windows Internet Information Ser...
- Microsoft Windows Remote Desktop Servic...
- Microsoft Windows Server
- Network Device
- Operations Manager
- Power Management
- SharePoint 2010 Products
 - Active Alerts
 - Administration
 - Configuration Databases
 - Content Databases
 - Diagram View
 - Events
 - Farms
 - Performance
 - Servers
 - Service Front Ends
 - Services
 - Shared Services
 - SPHA Rules
 - Task Status
 - Unidentified Machines
 - Web Applications

Look for: Find Now Clear

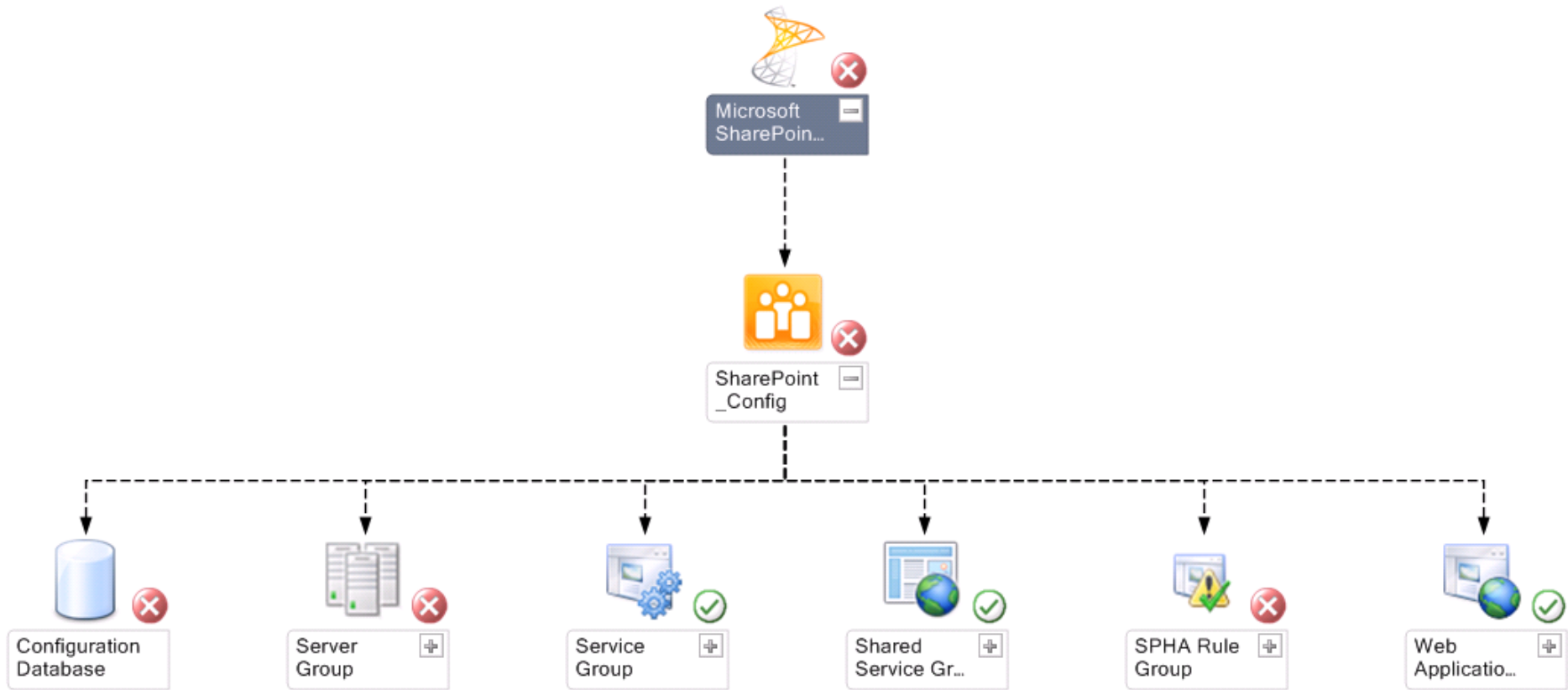
State	Farm ID	Farm Configura...	Configuration D...
Critical	18de8c52-fb78-...	SPSVR	SharePoint_Config

Detail View

SharePoint Configuration Database properties of Configuration Database

Name	Configuration Database
Path name	Configuration Database





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