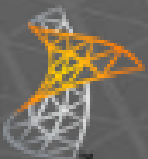


SharePoint 2010 IT Administration Features and Enhancements

David B. Haver
Managing Consultant
TCSC



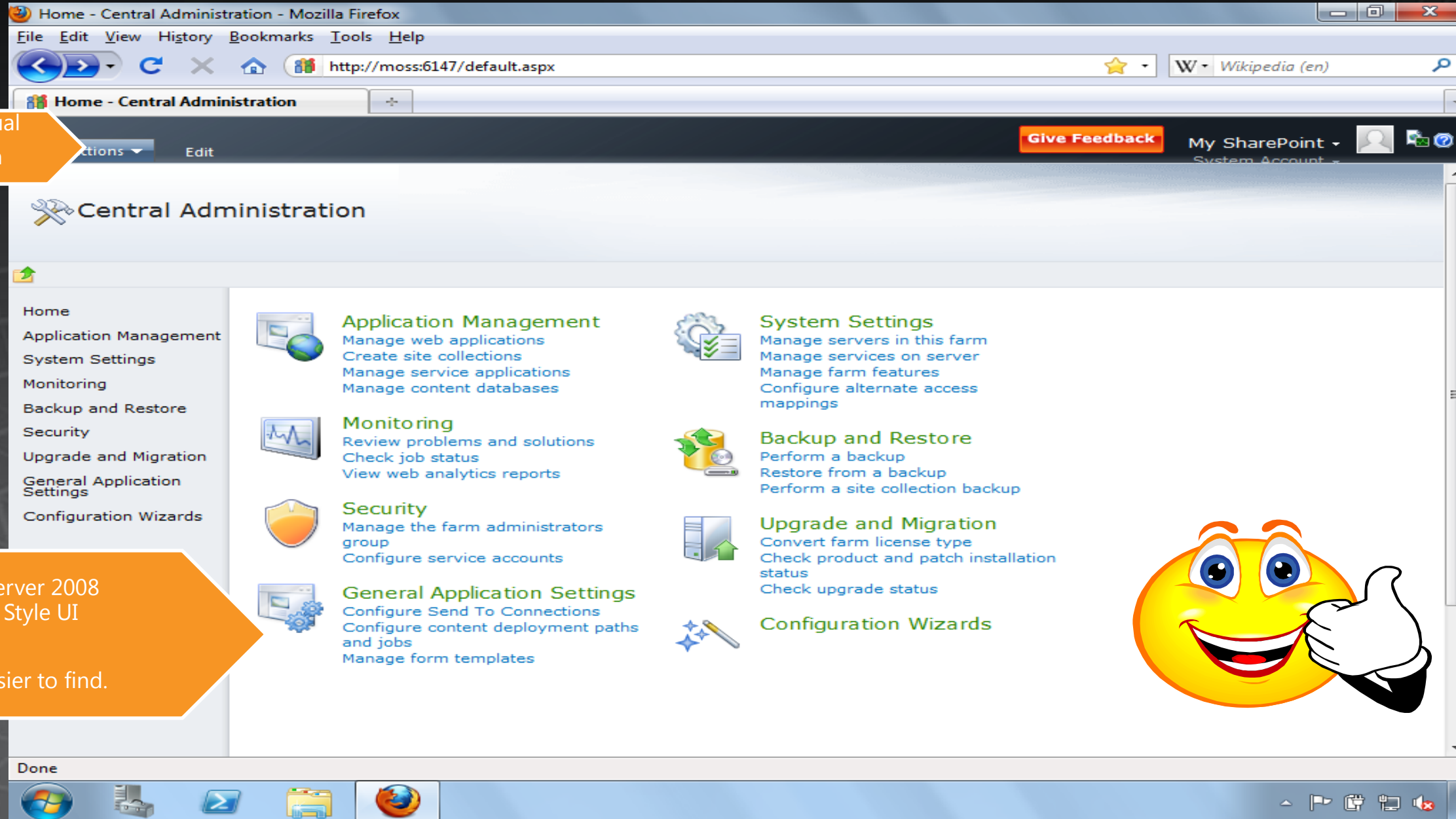
Microsoft®
SharePoint® 2010

TCSC
The Computer Solution Company

Agenda

- Improved Central Admin UI
- Large Lists
- Backup and Recovery
- Permissions Reporting Tool
- Service Applications
- Best Practices Analyzer
- PowerShell

Improved Central Admin UI



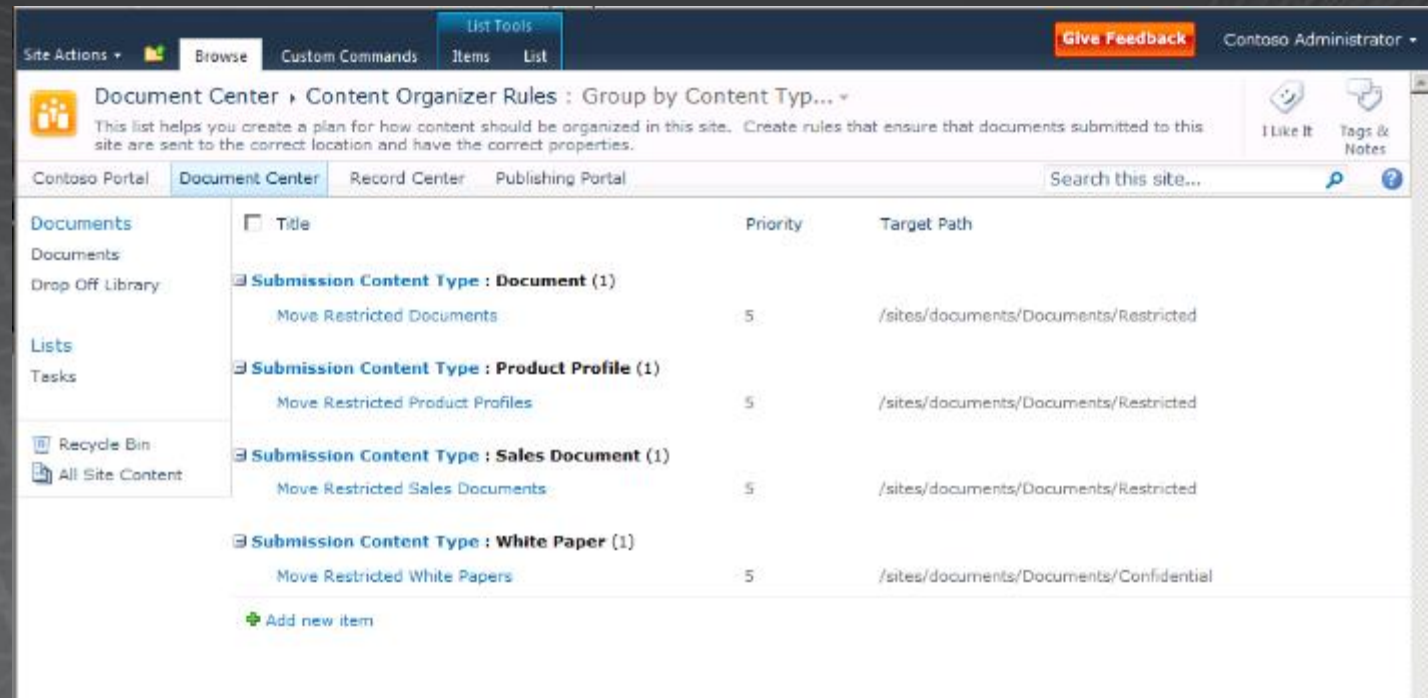
Contextual Ribbon

Server 2008 Style UI
Easier to find.



Large Lists

- Lists/libraries can now contain multi-million items.
- Throttling - Result sets are trimmed down
 - Users and admins have different settings
 - Happy hour settings
- Content Organizer
 - User defined rules
 - Automatic Foldering



The screenshot shows the SharePoint Content Organizer Rules configuration page. The page title is "Document Center > Content Organizer Rules : Group by Content Typ...". The page description states: "This list helps you create a plan for how content should be organized in this site. Create rules that ensure that documents submitted to this site are sent to the correct location and have the correct properties." The page is divided into a left-hand navigation pane and a main content area. The navigation pane includes sections for "Documents" (with sub-items "Documents" and "Drop Off Library"), "Lists", "Tasks", "Recycle Bin", and "All Site Content". The main content area displays a table of rules with columns for "Title", "Priority", and "Target Path".

Title	Priority	Target Path
Submission Content Type : Document (1) Move Restricted Documents	5	/sites/documents/Documents/Restricted
Submission Content Type : Product Profile (1) Move Restricted Product Profiles	5	/sites/documents/Documents/Restricted
Submission Content Type : Sales Document (1) Move Restricted Sales Documents	5	/sites/documents/Documents/Restricted
Submission Content Type : White Paper (1) Move Restricted White Papers	5	/sites/documents/Documents/Confidential

At the bottom of the table, there is a link to "Add new item".

Metadata based navigation

- List specific
- Managed Metadata or list specific

Configure Navigation Hierarchies

Select from the list of available fields to use them as navigation hierarchies for this list. Selected fields will appear under this list in the Site Hierarchy tree view. You can expand these fields and select one of their values to filter your current view to show only items matching that value.

Fields that are available for use as navigation hierarchies include columns on this list that are one of the following types:

- Content Type
- Choice Field
- Managed Metadata Field

Available Hierarchy Fields:

- Content Type
- Folders

Selected Hierarchy Fields:

- Priority
- Status

Description: Content Type Id - No Description

Configure Key Filters

Select from the list of available key filter fields to use as filter input controls on the list views.

Available Key Filter Fields:

- % Complete
- Content Type
- Created
- Created By
- Modified
- Modified By
- Priority
- Start Date
- Status
- Task Group

Selected Key Filter Fields:

- Assigned To
- Due Date

Description: Number - No Description

Automatically manage indices for Metadata-Driven Navigation

Specify whether to automatically create indices on this list that will increase the performance of queries using the Navigation Hierarchy and Key Filter columns specified above. [Learn about managing a large list or library and ensuring that items display quickly.](#)

You can view the current list indexing configuration at this link: [Indexed Columns](#)

Automatically manage column indexing.

Do not modify list column indices.

OK Cancel

The screenshot shows a SharePoint library interface. The top navigation bar includes 'Site Actions', 'Browse', 'Custom Commands', 'Documents', and 'Library'. The 'Documents' ribbon is active, showing options like 'New Document', 'Upload Document', 'New Folder', 'Edit Document', 'Check Out', 'Check In', 'Discard Check Out', and 'View Properties'. The left navigation pane shows a hierarchy: Documents, Reports, Lists, and Tasks. The main area displays a list of documents with columns for 'Document ID' and 'Type'. The 'Documents' folder is expanded, showing sub-folders like 'Camping' and 'Tents'. The 'Camping' folder is selected, and the 'Tents' sub-folder is also selected. The list of documents includes items like 'CONTOSO-2-48', 'CONTOSO-2-103', 'CONTOSO-2-104', 'CONTOSO-2-106', 'CONTOSO-2-105', 'CONTOSO-2-15', 'CONTOSO-2-11', 'CONTOSO-2-12', 'CONTOSO-2-18', 'CONTOSO-2-14', 'CONTOSO-2-17', 'CONTOSO-2-13', 'CONTOSO-2-16', 'CONTOSO-2-19', 'CONTOSO-2-20', 'CONTOSO-2-21', 'CONTOSO-2-22', 'CONTOSO-2-87', 'CONTOSO-2-82', and 'CONTOSO-2-97'. At the bottom, there is a 'Key Filters' section with 'Apply' and 'Clear' buttons, and an 'All Tags' section with a search box.

Backup and Recovery

Backup

- Config Only
- Granular Level
 - Site Collection
 - Site
 - List

Recovery

- Unattached Database
- Granular Level

Site Actions

Give Feedback My SharePoint David Haver

Central Administration > Browse content

Use this page to browse the contents of a site collection.

Home
Application Management
System Settings
Monitoring
Backup and Restore
Security
Upgrade and Migration
General Application Settings
Configuration Wizards

Site Collection
Select the site collection, site, or list that you wish to browse. First start by selecting a site collection, then you will be able to select a site that belongs to that site collection, and you have the option to choose a specific list under that site.

Site Collection: Site: List:

Operation to Perform
Select an operation to perform on the content database you selected. You can browse the content of the content database, perform a site collection backup, or export a site or list.

Choose operation:
 Backup site collection
 Export site or list

Previous Next Cancel

Permissions Reporting Tool

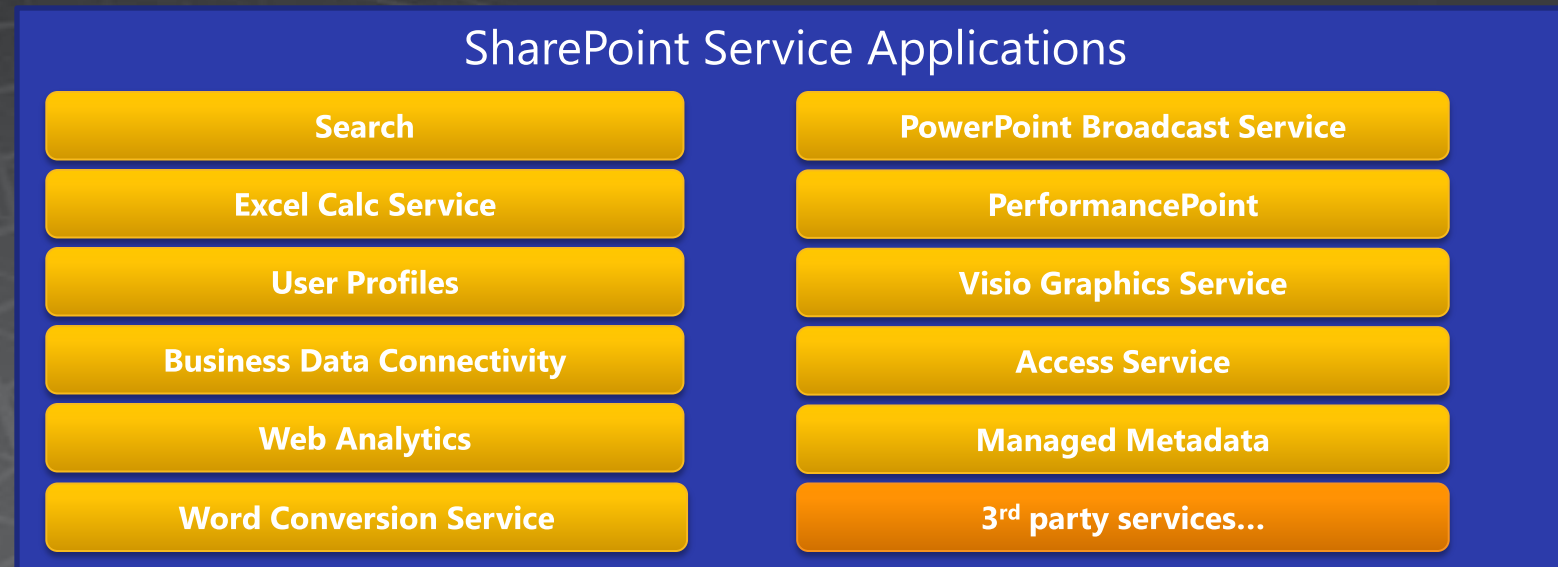
- Now able to determine what an individual has rights to within a site.
- Limited but better than before.

The screenshot displays the 'Permissions: Orion Systems' web interface. The 'Permission Tools' tab is active, showing options like 'Add Users/Groups', 'Create Group', 'Edit user permissions', 'Remove user permissions', 'Check Permissions', 'Permission Levels', 'Manage Access Requests', and 'Site Collection Administrators'. A 'Home' button is visible in the top left. An Internet Explorer window titled 'Check Permissions - Windows Internet Explorer' is open, showing a dialog box for checking permissions. The dialog box contains the text 'Check Permissions' and 'To check permissions for a user or group, enter their name or email address.' The 'User/Group' field is populated with 'Kevin MacMillan'. Below the dialog box, the permissions for 'Kevin MacMillan (ORION\kdm)' are listed, showing 'Read' permissions granted through the 'Orion Systems Visitors' group.

Permissions for Kevin MacMillan (ORION\kdm)	
Read	Given through the "Orion Systems Visitors" group.

Service Applications

- SSP goes away and gets replaced by Service Applications



SharePoint Best Practices Analyzer

- Timer Based Scheduled Rules Check
- Category based
- Ability to self heal and take action automatically!
 - Example: Daily fix fragmented databases

Best Practices Analyzer

Health Rules Runs on a
Timer Job

Create your own!

Health Rule Definitions - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://moss:6147/Lists/HealthRules/AllItems.aspx

Health Rule Definitions

Site Actions Browse Share & Track Items List

Give Feedback My SharePoint System Account

View Item Edit Item Version History Item Permissions Delete Item Attach File Change Item Order Approve/Reject Manage Workflow

This List Search

Title	Schedule	Enabled	Repair Automatically
Category : Security (2)			
The server farm account should not be used for other services.	Weekly	Yes	No
Visio Graphics Service has an invalid default secure store target application id.	Daily	Yes	No
Category : Performance (16)			
Application pools recycle when memory limits are exceeded.	Weekly	Yes	No
Databases used by SharePoint have fragmented indices.	Daily	Yes	Yes
<input checked="" type="checkbox"/> Databases exist on servers running SharePoint services.	Weekly	Yes	No
The paging file size should exceed the amount of physical RAM in the system.	Weekly	Yes	No
Databases used by SharePoint have outdated index statistics.	Hourly	Yes	Yes
The timer service failed to recycle.	Weekly	Yes	No
One or more property databases have fragmented indices.	Weekly	Yes	Yes
Visio Graphics Service has a maximum cache age setting that will adversely impact performance.	Daily	Yes	No
Visio Graphics Service has a maximum diagram size setting that will adversely impact performance.	Daily	Yes	No
The MaximumRecalcDuration service setting has a value that will adversely impact user perceived performance of Visio Graphic Services.	Daily	Yes	No
Visio Graphics Service has a minimum cache age setting that will adversely impact performance.	Daily	Yes	No

Done

Repair Auto-
magically!

Powershell Your New Best Friend

- The command line tool of choice for the SharePoint 2010 Administrator
- Fully supported in SharePoint 2010
- Two ways to join in on the fun
 - SharePoint Management Shell link
 - Add the SharePoint Snapin to an existing console
- Everything STSADM could do, Windows PowerShell can do better

Powershell Your New Best Friend

- Best way to learn powershell & SharePoint... `get-help cmdlet -full`
- run `Import-SPWeb -?`
- `$webapp = Get-SPWebApplication`
`<web app url>`
- `get-help get-SP*` / `get-help *Add*` /
`get-help *Remove*` - the * is
wildcard.
- `get-help new-SPSite`
`-examples`
- Things to know `get-help`, -
`examples`, `-full`
- 500+ Commands

```
Administrator: SharePoint 2010 Management Shell
PS C:\Users\davidpae> get-spdatabase
```

Name	Id	Type
StateService_6e6bcee3...	38368e20-37c8-490e-9b09-fb0f37d8db01	Microsoft.Offi...
Secure_Store_Service_...	2cee8b86-a40b-41e3-82a2-1c13f35053b6	Microsoft.Offi...
Word Automation Servi...	00344654-6015-400e-9276-81f28dd59cd8	Microsoft.Offi...
User Profile Service ...	ad3025b3-a005-43cc-a225-25624708a0bb	Microsoft.Offi...
Bdc_Service_DB_05e5f3...	45d5ea1d-1c71-478f-9093-be2573d345f1	Microsoft.Shar...
WebAnalyticsServiceAp...	4c1e99cb-bee6-43d0-95e2-17b07bcb57f8	Microsoft.Offi...
SharePoint_Config	4b9d77a6-2782-4af6-b453-e7ee7b1313c5	Configuration ...
PerformancePoint Serv...	5901c39e-c01c-4409-aa36-869651687399	Microsoft.Perf...
Search_Service_Applic...	9d745275-4b80-4b62-8791-35fb3970b9db	Microsoft.Offi...
Search_Service_Applic...	08ad553f-6615-4c03-8944-d4e077f6c1ef	Microsoft.Offi...
Application_Registry_...	da039ea6-694a-4548-b056-30ce93f9b1bd	Microsoft.Offi...
SharePoint_AdminConte...	f006883b-chd5-425d-ac1d-5b4cb0c6171b	Content Database
MSS_Content	6842812f-f8ba-40a2-886e-7ec8b0ed4236	Content Database
MSS_Content_1561f9a30...	269ad940-3c23-4afa-b15e-075e865d05a4	Content Database
MSS_Content_2a98e8958...	4435d4da-4a63-4a25-be31-2a55e0ff4a5e	Content Database
MSS_Content_3cb98a472...	d1376d0e-790c-4378-aff7-85422c487177	Content Database
MSS_Content_5111	9a50136e-9b3b-4415-9ae0-35c64b516d2d	Content Database
Search_Service_Applic...	96b655e2-c14c-44f8-ac9a-14f2231718a5	Microsoft.Offi...
Managed Metadata Serv...	bb714df4-e0e8-47fe-a4f1-174fea7d3608	Microsoft.Shar...
User Profile Service ...	780523ff-ac8f-4d4e-a463-d3b74b1e3976	Microsoft.Offi...
MSS_Logging	4a45c8a5-7c26-4b21-a790-110dc9149404	Microsoft.Shar...
User Profile Service ...	ce31dead-3fc8-4265-8a21-e2e37f74b0ef	Microsoft.Offi...
WebAnalyticsServiceAp...	831f6f65-d6f7-414d-bef8-cefc63407963	Microsoft.Offi...

```
PS C:\Users\davidpae> _
```

Questions

