



MS 55095 SharePoint 2010/2013 Auditing and Site Content Administration Using PowerShell

Price: \$660

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Length: 2 days

Introduction: This two day instructor-led class is designed for SharePoint 2010 and 2013 server administrators and auditors who need to query just about anything in SharePoint. The class handout is effectively a cheat sheet with over 175 PowerShell scripts plus the general patterns to create your own scripts. These scripts cover:

- using the SharePoint Management Shell and the ISE
- general tips for counting, reformatting and exporting results
- understand and drilling up and down the SharePoint object model
- getting lists / inventories of servers, services web applications, sites, webs, lists, libraries, items, fields, content types, users and much more
- finding lists by template type, content type and types of content
- finding files by user, content type, file extension, checked out status, size and age
- finding inactive sites
- finding and changing SharePoint Designer settings and finding and resetting customized pages
- inventorying and managing features
- deleting and recycling files and list items
- inventorying users and user permissions and finding out “who can access what”
- creating sites, lists and libraries
- uploading and downloading files

Target Audience: This course is intended for SharePoint server administrators, SharePoint auditors, SharePoint developers

Prerequisites: Before attending this course, students must have:

- Very good knowledge of SharePoint and its features.
- Good experience using PowerShell 2 or later or recent completion of a PowerShell class such as 10961 or 50414.

Objectives: After completing this course, students will be able to:

- Use PowerShell to query just about anything inside of SharePoint.
- Understand the core SharePoint object model and object hierarchy as seen from PowerShell.
- Format PowerShell output in to reports.
- Manage resources to limit the impact on production servers.
- Create and delete Site Collections, subsites, lists, libraries and content.



Course Outline

- I. SharePoint and PowerShell**
 - A. History of PowerShell in SharePoint
 - B. PowerShell vs. Search
 - C. PowerShell, SharePoint Management Shell and cmdlets
 - D. Security and Permissions Needed
 - E. Getting Started with PowerShell: Counting Items, Custom Columns, Reformatting Numbers, Saving Results to a File
 - F. Changing and Updating Content: Creating SharePoint Objects, Changing Objects
- II. Working with SharePoint CMDLETS and Objects**
 - A. GUIDs
 - B. Sites vs. Webs
 - C. The SharePoint Object Hierarchy
- III. Managing Memory and Limiting Performance Impact**
 - A. Memory Management and Disposing Objects
 - B. Limiting Impact on Production Servers
- IV. Working with Content**
 - A. Getting Farm Information: version, services, services, features
 - B. Getting Web Application information
 - C. Exploring Site Collections: retrieve Site Collections, Site Collection Administrators, quotas
 - D. Working with the Recycle Bins: finding items, getting file counts and bytes, deleted sites
 - E. Exploring Webs: web templates, finding webs, finding webs based on template, Quick Launch and Top Link Bar navigation
 - F. Exploring Lists and Libraries: finding all lists, lists by type, lists by Content Type, columns/fields, document count by web or library
 - G. Exploring Content Types
- H. Finding documents: by a word in the title, file type, content type, size, date age, checked out status, approval status and many more...**
- I. Deleting content**
- J. Downloading and uploading files**
- V. Users and Security**
 - A. Users: find a user, get a list of all users, working with Active Directory groups
 - B. SharePoint groups: Get lists of groups, get the members of a group, find all groups a user belongs to, find the groups associated with a web
 - C. Expanding users lists that include Active Directory groups
 - D. Documenting Broken Inheritance / Unique Permissions: webs, lists, libraries, folders, items
 - E. Working with Role Assignments
- VI. Managing Sites**
 - A. Finding Inactive Webs
 - B. Creating and Deleting Site Collections
 - C. Getting Site Collection Data
 - D. Creating and Deleting Subsites
 - E. Working With SharePoint Designer Settings