55095: SharePoint 2010 and 2013 Auditing and Site Content Administration using PowerShell

Course Details

Course Outline

1. **SharePoint and PowerShell**
   - History of PowerShell in SharePoint
   - PowerShell vs. Search
   - PowerShell, SharePoint Management Shell and cmdlets
   - Security and Permissions Needed
   - Getting Started with PowerShell: Counting Items, Custom Columns, Reformatting Numbers, Saving Results to a File
   - Changing and Updating Content: Creating SharePoint Objects, Changing Objects
   - Lab: SharePoint and PowerShell

2. **Working with SharePoint CMDLETs and Objects**
   - GUIDs
   - Sites vs. Webs
   - The SharePoint Object Hierarchy
   - Lab: Working with SharePoint CMDLETs and Objects

3. **Managing Memory and Limiting Performance Impact**
   - Memory Management and Disposing Objects
   - Limiting Impact on Production Servers
   - Lab: Managing Memory and Limiting Performance Impact

4. **Working with Content**
   - Getting Farm Information: version, services, services, features
   - Getting Web Application information
   - Exploring Site Collections: retrieve Site Collections, Site Collection Administrators, quotas
   - Working with the Recycle Bins: finding items, getting file counts and bytes, deleted sites

- Exploring Webs: web templates, finding webs, finding webs based on template, Quick Launch and Top Link Bar navigation
- Exploring Lists and Libraries: finding all lists, lists by type, lists by Content Type, columns/fields, document count by web or library
- Exploring Content Types
- Finding documents: by a word in the title, file type, content type, size, date age, checked out status, approval status and many more…
- Deleting content
- Downloading and uploading files
- Lab: Working with Content

5. **Users and Security**

- Users: find a user, get a list of all users, working with Active Directory groups
- 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
- Expanding users lists that include Active Directory groups
- Documenting Broken Inheritance / Unique Permissions: webs, lists, libraries, folders, items
- Working with Role Assignments
- Lab: Users and Security

6. **Managing Sites**

- Finding Inactive Webs
- Creating and Deleting Site Collections
- Getting Site Collection Data
- Creating and Deleting Subsites
- Working With SharePoint Designer Settings
- Lab: Managing Sites