Course Content

Course Description:
This three day course prepares IT Professionals to administer enterprise search solutions using Microsoft SharePoint Server 2010 and Microsoft FAST Search Server 2010 for SharePoint. All aspects of administration are covered including search topologies, search sites, content crawling, federation, monitoring, and search reporting.

Prerequisites:

This course is intended for IT Professionals responsible for administering the search features of SharePoint Server 2010 and FAST Search Server 2010 for SharePoint.
Before attending this course, students should have experience:
- Administering Active Directory: creating and managing user and group accounts, delegation of administration, and configuring Group Policy.
- Administering SQL Server 2005 or 2008: creating logons, assigning roles, and using SQL Management Studio.
- Experience using Windows PowerShell cmdlets and scripts.
- SharePoint Server 2010 experience using Central Administration and creating site collections.

Topics

Module 1: SharePoint Search Lesson 1: Search Planning
- Lesson 2: Crawl Architecture
- Lesson 3: Query Architecture and Topologies

Lab : SharePoint Search Architecture
- Exercise 1: Identify Search Components
- Exercise 2: Configure the Search Service Application
- Exercise 3: Expanding the Search Topology

Module 2: PowerShell and Content

Lessons
- Lesson 1: Windows PowerShell
- Lesson 2: Content Crawling

Lab : Crawling Content and an Introduction to Windows PowerShell
- Exercise 1: Crawl Content Sources
- Exercise 2: Test Drive Windows PowerShell

Module 3: Configuring Search Sites Lessons
- Lesson 1: Keyword Syntax
- Lesson 2: Introducing the Search Site
- Lesson 3: Search Web Parts

Lab : Configuring Search Sites
- Exercise 1: Create a Custom Search Site

Module 4: SharePoint Search Enhancements Lessons
- Lesson 1: Managed Properties and Keywords
- Lesson 2: SharePoint Scope

Lab : SharePoint Search Enhancements
- Exercise 1: Add a Keyword, Best Bet, and Query Suggestion

- Exercise 2: Add a Search Scope

Module 5: Configuring Lessons
- Lesson 1: Federated Search Basics
- Lesson 2: Creating New Federated Locations
- Lesson 3: Adding Metadata to a Federated Location
- Lesson 4: Security Options

Lab : Federated Web Parts
- Exercise 1: Configuring Federated Web Parts

Module 6: Search Reporting and Analytics Lessons
- Lesson 1: Configure Monitoring
- Lesson 2: Search Administration Reports
- Lesson 3: Web Analytics Reports
- Lesson 4: Other Search Reporting Tools

Lab : Search Reporting and Analytics
- Exercise 1: Configure and View Search Reports

Module 7: FAST Search Architecture Lessons
- Lesson 1: Architecture Components
- Lesson 2: Topology Options

Lab : FAST Search Architecture Diagram
- Exercise 1: FAST Search Architecture Diagram and Concepts

Module 8: FAST Search Installation Lessons
- Lesson 1: Prepare for Installation
- Lesson 2: Standalone Deployments
- Lesson 3: Multiple Server Deployments
- Lesson 4: Search Service Applications
- Lesson 5: Post Installation Steps

Lab : Installing and Configuring FAST Search Server
- Exercise 1: Install FAST Search Server 2010 for SharePoint
- Exercise 2: Create and Configure the FAST Search Content SSA and the FAST Query SSA

Module 9: FAST Specific Connectors
Lessons
- Lesson 1: Capabilities and Usage
- Lesson 2: FAST Specific Connectors

Lab : FAST Search Web Crawler
- Exercise 1: Crawling Content with FAST Search
- Exercise 2: Crawling Content with the FAST Search Web Crawler

Module 10: FAST Search Enhancements
Lessons
- Lesson 1: Keywords
- Lesson 2: FQL and Scopes
- Lesson 3: Business Based Ranking

Lab : FAST Search Enhancements
- Exercise 1: Business Based Ranking
- Exercise 2: Create and Use a Managed Property

Module 11: FAST Search Backup and Restore
Lessons
- Lesson 1: Backup and Restore Planning
- Lesson 2: Backup
- Lesson 3: Restore

Lab : Backup and Restore
- Exercise 1: Backup and Restore

Module 12: FAST Search Monitoring and Tools
Lessons
- Lesson 1: Monitoring
- Lesson 2: Tools

Lab : FAST Search Tools and Logs
- Exercise 1: FAST Search Tools and Logs