# MS20489 - Developing Microsoft SharePoint Server 2013 Advanced Solutions

Microsoft - Sharepoint - Sistemistica

| Durata: | Lingue: | Certificazione: |
|---|---|---|
| **5 Giorni** | **Italiano** | **-** |

## Descrizione del corso

This course provides SharePoint developers the information needed to implement SharePoint solutions using Enterprise Search, Managed Metadata Service (MMS), Business Connectivity Services (BCS), Enterprise Content Management (ECM), Web Content Management (WCM), Social Computing features and SharePoint Apps.

## Programma

1. Creating Robust and Efficient Apps for SharePoint
    - Communicating with SharePoint from an App
    - Authenticating and Authorizing Apps for SharePoint
    - Designing Apps for Performance
    - Lab : Monitoring SharePoint Health Scores
    - Creating and Deploying an App Part
    - Add Health Score Polling Functionality
2. Developing Managed Metadata Solutions
    - Managed Metadata
    - Configuring Managed Metadata Term Sets
    - Working with Managed Metadata Fields
    - Developing Managed Metadata Solutions (Part 1)
    - Creating and Configuring the Corporate Structure App
    - Displaying the Existing Taxonomy Groups
    - Creating a Group, a Term Set, and Terms
    - Developing Managed Metadata Solutions (Part 2)

- Obtaining the Host Web
- Adding Metadata Site Columns

3. Interacting with the Search Service
    - Understanding the SharePoint 2013 Search Service
    - Building Search Queries with KQL and FQL
    - Executing Search Queries from Code
    - Executing Search Queries from SharePoint Apps
    - Submitting Search Queries from Client-Side Code
    - Using a Custom Action to Launch A Search App
4. Customizing the Search Experience
    - Customizing Search Results
    - Customizing Content Processing
    - Configuring Result Types and Display Templates
    - Configuring and Test Result Type
    - Customizing an Item Display Template
    - Customizing a Hover Panel Display Template
    - Configuring Entity Extraction
    - Create and Deploy an Entity Extractor
5. Implementing Enterprise Content Management
    - Working with eDiscovery
    - Working with Content Management
    - Automating Records Management
    - Implementing Content Management Functionality
    - Creating a Custom Document ID Provider
    - Registering a Custom Document ID Provider
    - Applying a Custom Audit Policy
6. Developing a Publishing Site for Web Content
    - Programming with the Web Content Publishing API
    - Developing Page Components for Web Content Publishing
    - Customizing a SharePoint Publishing Site
    - Building a Custom Page Field Control
    - Building a Page Layout
7. Structuring and Publishing Websites for All Users
    - Website Structure and Navigation
    - Publishing Content
    - Publishing to Mobile Devices
    - Multi-language sites using Variations

- Structuring a SharePoint Publishing Site
- Creating a Navigation Term Set
- Publishing for Multiple Devices and Languages
- Creating a Device Channel
- Using the Device Panel Control
- Creating a French Variation

8. Developing Optimized Internet Sites
   - Optimizing a SharePoint Site for Search Engines
   - Optimizing Performance and Scalability
   - Optimizing SharePoint Publishing Sites
   - Optimizing a Site for Search Engines
   - Maximizing the Performance of a Publishing Site
9. Working with Business Connectivity Services
   - Business Connectivity Services in SharePoint 2013
   - Creating BDC Models in SharePoint Designer
   - Creating BDC Models in Visual Studio 2012
   - Working with Business Connectivity Services
   - Creating Farm-Scoped External Content Types
   - Creating App-Scoped External Content Types
10. Creating Advanced Business Data Connectivity Models
    - Configuring BDC Models for Search
    - Developing Custom Connectivity Components
    - Working with External Events and Notifications
    - Creating and Deploying a .NET Connectivity Assembly
    - Create a .NET Connectivity Assembly
    - Implementing Entity Methods
    - Deploying and testing a .NET Connectivity Model
11. Working with Business Connectivity Services
    - Business Connectivity Services in SharePoint 2013
    - Creating BDC Models in SharePoint Designer
    - Creating BDC Models in Visual Studio 2012
    - Working with Business Connectivity Services
    - Creating Farm-Scoped External Content Types
    - Creating App-Scoped External Content Types
12. Managing and Accessing User Profile Data
    - Overview of User Profile Data in SharePoint 2013
    - Understanding Options for Accessing User Profile Data

- Managing User Profile Data
- Managing User Profile Properties
- Accessing User Profile Data
- Add People Search Functionality to an App
- Display User Properties in the App
- Managing User Profile Properties
- Add Code to Display User Profile Properties
- Add Code to Manage User Profile Properties

13. Customizing the Social Workload
    - Overview of the Social Workload
    - Developing Social Solutions
    - Working with Feeds
    - Creating a Social App Part
    - Displaying a Project Site Newsfeed
    - Posting a Message to a Newsfeed
    - Using Search to Retrieve Newsfeed Posts
14. Monitoring and Troubleshooting Custom SharePoint Solutions
    - Debugging SharePoint Apps in Visual Studio
    - Diagnosing Faults in Deployed Apps
    - Testing Performance and Scalability
    - Enabling ASP.NET Tracing
    - Adding a Diagnostics Page to a SharePoint App
    - Configuring ASP.NET Tracing
    - Using Trace Logs