10988: Managing SQL Business Intelligence Operations (SQL Server 2016)

Course Details

Course Outline

1. **Module 1: Introduction to Operational Management in BI Solutions**
   - Rationale for BI Operations
   - Roles in BI Operations
   - Technologies Used in BI Operations
   - Environment and Operational Standa
   - o **Lab : Introduction to Operational Management in BI Solutions**
   - Roles in BI Operations
   - Using Term Explorer in Visual Studio

2. **Module 2: Configuring BI Components**
. **The Importance of Standardized Builds**
   - Configuration Considerations for BI Technologies
   - BI Architectures
   - SharePoint BI Environments
   - o **Lab : Configuring BI Components**
   - Standardizing the Data Platform
   - Configuring the Operating System
   - Configuring the Database Engine
   - Configuring Reporting Services

3. **Module 3: Managing Business Intelligence Security**
   - Security Approach to BI Solutions
   - Security Components
   - Security Approach for BI Components
   - The Security Approach in Different BI Environments
   - o **Lab : Managing Business Intelligence Security**
   - Setting up Security in SQL Server
   - Setting up Security in SQL Server Analysis Services
   - Setting up Security in SQL Server Reporting Services

4. **Module 4: Deploying BI Solutions**
   - Application Life Cycle Management for BI Solution
   - Stand-Alone Deployments
   - Team-Based Deployments
   - o **Lab : Deploying BI Solutions**
   - Creating a Standalone DACPAC
   - Managing Builds in Team Foundation Server
   - Exploring Deployment Methods

5. **Module 5: Logging and Monitoring in BI Operations**
   - The Need for Logging and Monitoring
   - Logging Options
   - Monitoring Options
   - Setting Up Alerts
   - o **Lab : Monitoring BI Solutions**
   - Setting Up General Logging and Monitoring
   - Setting Up Targeted Logging and Monitoring

6. **Module 6: Troubleshooting BI Solutions**
   - Troubleshoot Failed BI Solutions
   - Troubleshooting the Data Warehouse
   - Troubleshooting SQL Server Analysis Services
   - Troubleshooting SQL Server Reporting Services
   - o **Lab : Troubleshooting BI Solutions**
   - Troubleshooting Data Warehouse Loads
   - Troubleshooting SQL Server Analysis Services

7. **Module 7: Performance Tuning BI Queries**
   - The Need for Performance Tuning
   - BI Queries to Performance Tune
   - Tools for Performance Tuning
   - Remediating Performance Issues
   - o **Lab : Performance Tuning a BI Solution**
   - Performance Tuning BI Queries
   - Exploring SQL Server Query Store
   - Remediating Performance Issues