

MSCE-11 - MOC 10996 - HYBRID CLOUD AND DATACENTER MONITORING WITH OPERATIONS MANAGEMENT SUITE (OMS)

Categoria: **System Center**

INFORMAZIONI SUL CORSO



Durata:
5,00000 Giorni



Categoria:
System Center



Qualifica Istruttore:
Microsoft Certified
Trainer



Dedicato a:
Professionista IT



Produttore:
Microsoft

OBIETTIVI

- Capire i componenti e le funzionalità di System Center 2016.
- Aggiornare System Center 2012 R2 a System Center 2016.
- Integrare System Center 2016 con Operations Management Suite.
- Configurare le impostazioni di base in Operations Management Suite.
- Configurare e gestire l'automazione e il controllo in Operations Management Suite.
- Configurare e gestire Insight e Analytics in Operations Management Suite.
- Configurare e utilizzare Protezione e ripristino in Operations Management Suite.
- Configurare e utilizzare la sicurezza e la conformità in Operations Management Suite.

PREREQUISITI

- Esperienza di 1 anno di System Center 2012 R2 o System Center 2016.
- Conoscenza di lavoro di SQL Server 2012, 2014 o 2016.
- Conoscenza di lavoro di Windows Server 2012 R2 e Windows Server 2016.

CONTENUTI

Module 1: Overview of System Center 2016

- Overview of Operations Manager.
- Overview of Orchestrator.
- Overview of Data Protection Manager.
- Overview of Virtual Machine Manager.
- Overview of Service Manager.

Lab : Reviewing System Center Components

- Review the Operations Manager Console and confirm version information.
- Review the Orchestrator Console and confirm version information.
- Review the Data Protection Manager Console and confirm version information.
- Review the Virtual Machine Manager Console and confirm version information.
- Review the Service Manager Console and confirm version information.
- After completing this module, students will be able to:
 - Describe the key features and functionality of Operations Manager.

Describe the key features and functionality of Orchestrator.
Describe the key features and functionality of Data Protection Manager.
Describe the key features and functionality of Virtual Machine Manager.
Describe the key features and functionality of Service Manager.

Module 2: Upgrading to System Center 2016

Upgrading Orchestrator.
Upgrading Service Manager.
Upgrading Data Protection Manager.
Upgrading Operations Manager.
Upgrading Virtual Machine Manager.

Lab : Upgrading to System Center 2016

Upgrading Orchestrator to System Center 2016.
Upgrading Service Manager to System Center 2016.
Upgrading Data Protection Manager to System Center 2016.
Upgrading Operations Manager to System Center 2016.
Upgrading Virtual Machine Manager to System Center 2016.
After completing this module, students will be able to:
Upgrade Orchestrator to System Center 2016.
Upgrade Service Manager to System Center 2016.
Upgrade Data Protection Manager to System Center 2016.
Upgrade Operations Manager to System Center 2016.
Upgrade Virtual Machine Manager to System Center 2016.

Module 3: Integrating System Center 2016 with Operations Management Suite

Overview of Operations Management Suite.
Overview of System Center 2016 Integration with OMS.
After completing this module, students will be able to:
Describe the key features and functionalities of OMS.
Describe the integration of System Center with OMS.

Module 4: Introducing Operations Management Suite

Core Concepts of Managing a Hybrid Cloud.
Overview of Operations Management Suite.
Overview of System Center 2016 Integration with OMS..
Overview of Key Azure Concepts in Relation to OMS
After completing this module, students will be able to:
Describe the core concepts relating to managing a hybrid cloud.
Describe the key features and functionalities of OMS.
Describe the integration of Microsoft System Center with OMS.
Describe the key concepts of Microsoft Azure in the context of OMS.

Module 5: Configuring Operations Management Suite

Configuring an OMS Workspace.
Configuring Data Sources.
Configuring Accounts.
Configuring Other Features.
Windows PowerShell and OMS.

Lab : Configure Operations Management Suite for first-time use

Initial Configuration.
Advanced Configuration.

Confirm the OMS Agent and Operations Manager are connected to OMS.

Add Solution Packs to OMS.

After completing this module, students will be able to:

Configure an OMS workspace.

Configure data sources in OMS

Configure accounts in OMS.

Configure other features in OMS.

Configure Windows PowerShell for OMS.

Module 6: Operating Operations Management Suite

Operating Log Search.

Analyzing OMS Search Data.

Integrating with OMS.

Lab : Operating OMS

Operating OMS Log Analytics.

Creating custom visualizations in OMS.

Log search, alerts, and Power BI

After completing this module, students will be able to:

Use Log Search to filter and alert on data collected in OMS.

Analyze OMS search data and create custom views.

Use Windows PowerShell and the REST API to integrate with OMS.

Module 7: Overview of Operations Management Suite Automation and Control

Overview of the Change Tracking solution in OMS.

Overview of the Update Management solution in OMS.

After completing this module, students will be able to:

Understand the key features of the Change Tracking solution in OMS.

Understand the key features of the Update Management solution in OMS.

Module 8: Configuration of Operations Management Suite Automation and Control

Configuring the Change Tracking solution in OMS.

Configuring the Update Management solution in OMS.

Lab : Configuring Operations Management Suite Automation and Control

Configure the Change Tracking Solution Pack.

Configure the Update Management Solution Pack.

After completing this module, students will be able to:

Configure the Change Tracking solution in OMS.

Configure the Update Management solution in OMS.

Module 9: Operating Operations Management Suite Automation and Control

Operating the Change Tracking solution in OMS.

Operating the Update Management solution in OMS.

Lab : Operating Operations Management Suite Automation and Control

Operate the Change Tracking Solution Pack.

Operate the Update Management Solution Pack.

After completing this module, students will be able to:

Operate the Change Tracking solution in OMS.

Operate the Update Management solution in OMS.

Module 10: Overview of Operations Management Suite Insight and Analytics

Overview of the Service Map solution in OMS.

Overview of the Network Performance Monitor solution in OMS.

After completing this module, students will be able to:

Understand the key features of the Service Map solution in OMS.

Understand the key features of the Network Performance Monitor solution in OMS.

Module 11: Configuring Operations Management Suite Insight and Analytics

Configuring the Service Map Solution in OMS.

Configuring the Network Performance Monitor Solution in OMS.

Lab : Configuring the Operations Management Suite Insight and Analytics Solution Packs

Adding the Insight and Analytics Solution Pack and deploying Agents.

Configuring Networks in the Network Performance Monitor dashboard.

Configuring Network Performance Monitor Rules.

After completing this module, students will be able to:

Configure the Service Map solution in OMS.

Configure the Network Performance Monitor solution in OMS

Module 12: Operating Operations Management Suite Insight and Analytics

Operating the Service Map Solution in OMS.

Operating the Network Performance Monitor Solution in OMS.

Lab : Operating the Operations Management Suite Insight and Analytics Solution Packs

Using Network Performance Monitor to troubleshoot a networking issue.

Using Service Map to review application dependency.

After completing this module, students will be able to:

Operate the Service Map solution in OMS.

Operate the Network Performance Monitor solution in OMS

Module 13: Overview of Operations Management Suite Protection and Recovery

Overview of the OMS Backup Solution.

Overview of the Azure Site Recovery Solution.

After completing this module, students will be able to:

Understand the key features of the Backup solution in OMS.

Understand the key features of the Azure Site Recovery solution in OMS

Module 14: Configuring Operations Management Suite Protection and Recovery

Configuring the OMS Backup Solution.

Configuring the Azure Site Recovery Solution.

Lab : Configuring the environment for the Protection and Recovery Solution Pack

Configure OMS Backup.

Configure Azure Site Recovery.

After completing this module, students will be able to:

Configure the OMS Backup Solution.

Configure the Azure Site Recovery Solution

Module 15: Operating Operations Management Suite Protection and Recovery

Operating the OMS Backup Solution.

Operating the Azure Site Recovery Solution.

Lab : Operating the environment for the Protection and Recovery Solution Pack

Protect and Recover Data in Azure Backup Server.

Replicate on-premises virtual machines to Azure using Azure Site Recovery.

After completing this module, students will be able to:

Operate the OMS Backup Solution.

Operate the Azure Site Recovery Solution

Module 16: Overview of Operations Management Suite Security and Compliance

Overview of the Security and Audit solution in OMS.

Overview of the Antimalware Assessment solution in OMS.

After completing this module, students will be able to:

Understand the key features of the Security and Audit solution in OMS.

Understand the key features of the Antimalware Assessment solution in OMS

Module 17: Configuring Operations Management Suite Security and Compliance

Configuring OMS to Collect Security Logs from Third Party Applications and Appliances.

Mapping Security Log data with Operations Manager Audit Collection Services.

After completing this module, students will be able to:

Collect Security Logs from third-party applications and appliances.

Map Security Log data in OMS with Operations Manager Audit Collection Services

Module 18: Operating Operations Management Suite Security and Compliance

Operating the Security and Audit Solution.

Operating the Antimalware Assessment Solution.

Lab : Operating the Security and Compliance Solution Pack

Adding the Security and Compliance Solution Pack to OMS.

Reviewing the Antimalware Assessment Solution Pack.

Reviewing the Security and Audit Solution Pack.

Reviewing data collected from Operations Manager.

After completing this module, students will be able to:

Operate the Security and Audit Solution in OMS.

Operate the Antimalware Assessment Solution in OMS.

INFO

Manuale: Il Materiale Didattico Ufficiale per tutti i corsi Microsoft MOC può essere richiesto, se disponibile, in forma elettronica (DMOC) invece che cartacea e lo studente iscritto potrà scaricarlo dal sito Microsoft. Chi acquista un DMOC ha diritto a consultare tutte le versioni del manuale, sia quelle precedenti a quella che acquista sia quelle che usciranno successivamente, dove troverà corretti eventuali errori e/o le novità del prodotto.

Prezzo manuale: 250 € incluso nel prezzo del corso

Natura del corso: Operativo (previsti lab su PC)