

CORSO 10991

Troubleshooting Core Technologies on Windows Server 2016

Questo corso tratta un ampio spettro di scenari di troubleshooting che un amministratore di rete può incontrare nel proprio lavoro. Buona parte del corso è occupata da laboratori pratici dove l'allievo è chiamato a identificare problemi, errori comuni e soluzioni relative alle principali tecnologie di Windows Server 2016: AD DS, storage, certificati, Hyper-V, load balancing, e failover clustering. Viene trattata anche l'autenticazione in Office 365. Alcuni servizi avanzati quali l'integrazione con Azure, i containers, così come l'integrazione con Linux non sono trattati in questo corso.

Durata del corso: 4 giorni

Destinatari del corso:

- Professionisti IT e amministratori di Windows Server che desiderano aggiornare le loro conoscenze e competenze relativamente al troubleshooting di Windows Server 2016;
- Professionisti IT con conoscenze informatiche generali, che stanno cercando di acquisire conoscenze su Windows Server, in particolare sulle tematiche di risoluzione dei problemi relativamente a Windows Server 2016;

Obiettivi del corso:

Al termine del corso i partecipanti saranno in grado di:

- Understand the common steps in the troubleshooting process, and the commonly used troubleshooting tools. Utilize remote administration tools and how to troubleshoot Windows PowerShell commands and script.
- Troubleshoot network connectivity issues by using Windows Server 2016 tools.
- Troubleshoot network connectivity issues by using Microsoft Message Analyzer. Troubleshoot IPv4 and IPv6 settings, network communication, the configuration of DHCP and client name resolution.
- Troubleshoot authentication issues, including user and computer authentication issues and AD DS replication issues.
- Troubleshoot authentication to Office 365.
- Troubleshoot issues related to application access.
- Troubleshoot issues related to accessing web-based applications.
- Troubleshoot issues related to file access.
- Manage and troubleshoot BitLocker.
- Troubleshoot issues related to server storage.

- Troubleshoot and optimize DFS namespaces and replication.
- Troubleshoot advanced file services.
- Troubleshoot issues related to Group Policy.
- Troubleshoot a Group Policy application.
- Troubleshoot issues related to AD DS.
- Explain control management of AD DS objects and how to backup and restore AD DS objects.
- Troubleshoot issues related to domain controllers and trust relationships between domains and forests.
- Troubleshoot remote access to data and apps.
- Describe remote access options for apps, and how to troubleshoot Remote Desktop Services.
- Troubleshoot issues related to virtualization.
- Troubleshoot high availability.
- Troubleshoot failover clustering and Hyper-V clustering.

Programma del corso 10991:

Module 1: Implement a troubleshooting methodology

- Overview of the troubleshooting process
- Overview of troubleshooting tools
- Use remote administration tools
- Troubleshoot Windows PowerShell commands and scripts

Module 2: Troubleshoot network connectivity

- Troubleshooting with Message Analyzer
- Troubleshooting IP settings
- Troubleshoot network connectivity
- Troubleshooting DHCP
- Troubleshooting client name resolution

Module 3: Troubleshoot authentication issues

- Troubleshoot user and computer account authentication
- Troubleshoot AD DS replication issues
- Troubleshoot authentication to Office 365

Module 4: Troubleshoot application access issues

- Troubleshooting access to Windows Server apps
- Troubleshooting issues with certificates

- Troubleshooting access to web-based apps

Module 5: Troubleshoot file access issues

- Troubleshooting access to files and folders
- Manage and troubleshoot BitLocker

Module 6: Troubleshoot storage issues

- Troubleshooting server storage issues
- Troubleshoot DFS
- Troubleshoot advanced file services

Module 7: Troubleshoot Group Policy

- Group Policy overview
- Troubleshoot Group Policy application

Module 8: Troubleshooting AD DS

- Overview of AD DS administration tools
- Control AD DS administration
- Backup and restore AD DS objects
- Troubleshoot issues related to domain controllers
- Troubleshoot AD DS trusts

Module 9: Troubleshoot remote access to data and apps

- Troubleshoot VPN connectivity
- Overview of remote access for apps
- Troubleshoot Remote Desktop Services

Module 10: Troubleshoot visualization issues

- Issues with VM configuration
- Troubleshoot VM resources

Module 11: Troubleshooting high availability

- Considerations for implementing load balancing
- Troubleshooting failover clustering
- Troubleshooting Hyper-V cluster