Windows Server - terminal services

Course code: GOC209

The course covers all the essential tasks of an IT administrator managing Remote Desktop Services (RDS), focusing on planning, deploying individual components and roles, ensuring high availability, monitoring, PowerShell scripting, configuration, GPO, and infrastructure troubleshooting. It also addresses providing access to the infrastructure for external users, implementing security measures, and configuring user roles within RDS (printing, profiles, clipboard, cache, profile disks, and applications...)

Who is the course for

This course is intended for administrators of Terminal Services (Remote Desktop Services – RDS) on the Windows Server platform versions 2025, 2022, and 2019

Prerequisite knowledge

- Knowledge equivalent to the courses listed in the Previous Courses and Related Courses sections
- Good understanding of TCP/IP and DNS technologies

Course outline

- Overview of Remote Desktop Services technologies and options – RD, RD Gateway, RD Host, RD Connection Broker, RD Web Access
- Planning and deployment of individual components and roles
- High availability and server farms
- Performance and stability monitoring
- PowerShell scripting
- Configuration management using GPO
- GPO loopback processing mode
- Troubleshooting
- External user access
- Access security and TLS operation, certificates and their parameters
- User authentication – Kerberos, NTLM, NLA, smart cards and TPM, RestrictedAdmin and RemoteGuard modes
- Printing user profiles
- Clipboard sharing and file transfers
- Access restrictions when handling sensitive data
- Profile disks and user settings
- Installation and management of RD Gateway applications and Internet access
- Operation in Hyper-V virtualization with RemoteFX
- Advanced deployment scenarios and integration with MFA and Azure Application Proxy

Preparation for certification exams

For Microsoft certification exams, except for the MCM certification, attending an official MOC course is not a mandatory requirement to take the exam. Official MOC courses from Microsoft, as well as our own GOC courses, are suitable components of preparation for Microsoft certification exams such as MTA, MCP, MCSA, MCSE, or MCM. However, the primary goal of this course is not to directly prepare participants for certification exams, but to provide a solid understanding of theoretical principles and to develop the practical skills needed to work effectively with the product. MOC courses typically cover nearly all the areas required for the respective certification exams. However, the depth and emphasis of topics covered in the course may not always exactly match the requirements of the exam. Additional preparation for certification exams can include resources such as MS Press books (so-called Self-Paced Training Kits) and electronic self-test software.

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