

Implementing Forefront Unified Access Gateway 2010

DURATION: 3 DAYS

COURSE OVERVIEW

This three-day instructor-led course prepares you to design and deploy remote access solutions using Microsoft Forefront Unified Access Gateway 2010 (UAG). Forefront UAG provides organizations with unparalleled flexibility in providing access to network resources (such as Web sites and internal applications) with granular access control, custom content protection, and endpoint validation. Forefront UAG also integrates with Direct Access, a new Windows 7 technology that provides seamless remote access to all corporate resources without connecting to a virtual private network. This course is intended for architects, consultants, network administrators, and technical sales professionals who are responsible for selling, designing, and deploying edge access solutions for enterprises

TARGET AUDIENCE

This course is intended for IT security and infrastructure specialists who have experience with Windows networking and authentication protocols. Experience with the IPv6 protocol is desirable but not required

COURSE OBJECTIVES

After completing this course, students will be able to:

1. Install and configure Forefront UAG as a standalone server or an array member.
2. Publish Microsoft Exchange Server, Microsoft Office SharePoint Server, and Remote Desktop Gateway applications to external users.
3. Configure Forefront UAG to authenticate and authorize users, and enforce security policies on clients.
4. Use Forefront UAG as a gateway for Direct Access clients.
5. Understand the design and deployment considerations when building an enterprise access solution using Forefront UAG

COURSE CONTENT

Module 1: Forefront UAG Overview

1. This module provides an overview of the features and capabilities of Forefront UAG, and the role it plays in enabling usage scenarios that are part of the Microsoft Business Ready Security strategy.
2. Module 2: Forefront Unified Access Gateway Setup and Upgrade
3. This module covers the setup and configuration tasks for Forefront UAG, and describes how to migrate from Microsoft Intelligent Application Gateway 2007 (IAG) to Forefront UAG.
4. Module 3: Forefront UAG Portal
5. In this module, you'll understand the concept of a trunk in Forefront UAG, and how the product uses trunks to enable remote users to connect to internal applications. You'll see the role of the Forefront UAG portals as front end interfaces for these users, and how Forefront UAG can be customized during deployments.
6. Module 4: Publishing Web Applications
7. In this module, you will learn how to configure Forefront UAG to enable remote endpoints to have access to internal Web applications. You will see how to enable access to Microsoft Exchange and Microsoft SharePoint, and how to deploy federation using Active Directory Federation Services (AD FS).
8. Module 5: Remote Desktop Gateway Publishing
9. In this module, you will see how Forefront Unified Access Gateway (UAG) allows you to provide access to published RemoteApps and Remote Desktops by integrating a Remote Desktop Gateway (RD Gateway) to provide an application-level gateway for Remote Desktop Services (RDS) and applications.
10. Module 6: Remote Network Access
11. This module explains how you can configure remote access to the corporate network using the legacy Network Connector application or the Secure Sockets Tunneling Protocol (SSTP).
12. Module 7: IPv6 and IPv6 Transition Technologies
13. This module provides an overview of the IPv6 protocol used by Forefront UAG DirectAccess, and the technologies associated with transitioning from IPv4 to IPv6 networking.
14. Module 8: DirectAccess
15. This module gives an overview of DirectAccess, a technology enabled by Forefront UAG that provides seamless network access to Windows 7 clients.
16. Module 9: Endpoint Security Policies and NAP Integration
17. This module presents an overview of the policy evaluation and enforcement technologies for the Forefront UAG endpoints.
18. Module 10: Array Management

19. This module explores how Forefront UAG uses arrays to scale out to large deployments—improving the scalability and availability of the solution while reducing management overhead.
20. Module 11: Enterprise Deployment and Troubleshooting
21. This module covers the considerations involved in designing, deploying, and troubleshooting an enterprise access solution based on Forefront UAG.

COURSE PREREQUISITES

Before attending this course, students must have:

Solid understanding of Windows networking. Experience with IPv6 is desirable but not required.

Working knowledge of Active Directory, LDAP, and RADIUS authentication.

Basic understanding of Microsoft Exchange Server 2007 and Microsoft Office SharePoint Server 2007.