



Active Directory Federation Services 2.0 Accelerated!

Introduction

This accelerated version of the Microsoft AD FS 2.0 course (50412) is intended for Windows IT professionals who want to become quickly acquainted with Active Directory Federation Services 2.0 (AD FS). The full 50412 documentation is provided to all students, and while this accelerated version covers the use of AD FS in detail, minimal time is spent on topics such as pre-requisites and Public Key Infrastructure (PKI). A number of labs are omitted as detailed below.

It is available as an instructor-led or online course.

Audience and Pre-requisites

This course provides students with the knowledge and skills to install and configure AD FS 2.0. It is suitable for students who want rapid coverage of the AD FS technology - inevitably this will mean compromising on depth.

It suits those about to be involved in simple implementations of AD FS (such as BPOS co-existence with federation), and assumes that others are responsible for pre-requisite technologies like IIS and PKI (which are only covered very briefly).

The course focuses on terminology, user interfaces, and common configuration scenarios for AD FS 2.0.

At Course Completion

At the end of the course the student will be able to:

- Define key concepts and terminology relating to AD FS 2.0
- Recognize the pre-requisites for installation, and where to find more details
- Deploy AD FS 2.0 to provide claims-aware authentication in a single organization
- Configure AD FS 2.0 to provide claims-aware authentication in a business-to-business federation
- Design and deploy advanced AD FS 2.0 scenarios, including providing for high availability and SAML interoperability
- Use the AD FS 2.0 claims rule language to create custom claim rules
- Troubleshoot AD FS 2.0

Microsoft Certified Professional Exams

No MCP exam currently exists for this course.

Student Materials

The student kit includes a workbook and other necessary materials for this class.

Course Outline

Module 1: Introducing Claims-Based Identity

This module explains the AD FS terminology and common use cases for AD FS 2.0. The lab described in 50412 is not covered as part of this course.

Module 2: AD FS Pre-requisites

We then include a précis version of the full course's module, which explains Windows pre-requisites for AD FS 2.0, including Windows Server and IIS. This module also explains how AD FS 2.0 utilizes Web services to achieve interoperability. The lab described in course 50412 is not covered as part of this accelerated version - pre-requisites have already been installed for you.

Module 3: Public Key Infrastructure (PKI)

We précis the module which covers the PKI requirements associated with AD FS 2.0. The lab described in 50412 is not covered as part of this accelerated course, and a PKI has already been installed and configured for you.

Module 4: AD FS 2.0 Components

This module explains how to install and configure the Windows Identity Foundation (WIF), and how to install the AD FS 2.0 service in the federation server role. In the lab you install and configure the AD FS 2.0 server software, and verify that the installation completed successfully.

Module 5: Claims-Based Authentication in a Single Organization

This module explains how to design and deploy AD FS 2.0 to provide claims-based authentication within a single organization. In the lab you configure AD FS to provide claims-aware authentication in a single organization.

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Module 6: Claims-Based Authentication in a Business-to-Business Federation

This module explains how to design and deploy AD FS 2.0 to provide claims-based authentication in a business-to-business federation scenario. In the lab you configure the trust and claim rules for claims-based authentication in a business-to-business federation.

Module 7: Advanced AD FS Deployment Scenarios

This module explains how to deploy an AD FS server as a Federation Server Proxy. This module also explains how to design an AD FS deployment to create a high-availability configuration, as well as how to configure AD FS 2.0 to achieve interoperability with SAML 2.0-compatible products and applications. Depending on the time available this lab may be curtailed, or even omitted.

Module 8: The AD FS Claim Rule Language

This module explains how to configure custom AD FS claim rules using the AD FS 2.0 claim rule language. The lab covers creating custom AD FS claim rules using the claim rule language.

Module 9: AD FS Troubleshooting

This module explains how to audit, troubleshoot, and trace AD FS 2.0 components and claims-aware applications, at both the server and client level. The lab described in 50412 is not covered as part of this course - but it should be understood that troubleshooting, being an inevitable feature of most labs, will nevertheless have been substantially covered in other labs.



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