



Masterclass: Managing Active Directory Federation Services for Multiple Organizations

Duration: 2 Days Course Code: ADS

Overview:

Multi organization ADFS is a perfect course if you need to implement ADFS across different organizations!

Federated Identity is the most discussed topic in terms of organization cooperation right now, and with this course you will get all the knowledge you will need when you are planning to host services that will connect users across different organizations.

As an add-on course, we will extend previous labs with multi organizations trust, discover problems arising from connecting remote parties and find an automated way to make sure that everything is working smoothly. Using ADFS 3.0 on Windows 2016, we will connect parties using various active directory topologies and versions, to simulate all the problems that you will be facing in real world deployment. As a CQURE course, we will focus on security of ADFS, and show a way to solve common access problems – from hacking the user identity, to solving permission problems.

A good enterprise implementation is not complete if we do not think about backup and scripting – so after implementing business partner connectivity, we will focus on scripting the implementation, which will not only allow us to quickly backup and restore our servers, but also allow us to prepare automatic configuration scripts for remote party.

The last part of this course is focused on large ADFS implementations, where load-balancing client traffic is a must. You will not only learn how to load balance ADFS farm, but also get to know Microsoft load balancer included in IIS.

This course is intended for IT professionals who would like to implement and administer Active Directory Federation Services across the organizations. Prerequisite for the course is to have a medium level knowledge about Active Directory Domain Services, basic knowledge of Windows PowerShell and DNS.

Target Audience:

Enterprise administrators, infrastructure architects, security professionals, systems engineers, network administrators, IT professionals, security consultants and other people responsible for implementing network and perimeter security.

Objectives:

- After you complete this course you will be able to:
 - Script and backup ADFS environment.
 - Automate business partner setup procedure for ADFS.
 - Configure Active Directory for ADFS
 - Deploy AD Federation Services to provide claims-aware authentication for multiple organizations.
 - Implement AD Federation Services high availability and load balancing.
 - Implement Claims filtering and processing, to secure multi-organization enabled application.
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Prerequisites:

Attendees should meet the following prerequisites:

Good hands-on experience in administering Windows infrastructure.

Content:

Module 1

- Working with external parties
- LAB: Installing ADFS in Forest/Domain trust environment
- LAB (optional): Install ADFS in 2003 domain-level environment
- LAB: Testing simple web application
- LAB: Testing thick application

Module 2

- Home Realm Discovery
- LAB: Hacking ADFS Claims
- LAB: Authorizing users
- Working with groups
- LAB: Adding additional claims
- LAB: Multiple roles and claims
- CpT and rules
- LAB: Per-CpT Rules
- LAB: MFA and CpT

Module 3

- Scripting ADFS
- LAB: Backup ADFS Config
- LAB: Export RP and CpT
- LAB: Unattended Installation

Module 4

- Working with clients
- LAB: Creating automatic client configuration scripts
- Working with IE Security Zones
- LAB: Creating GPO for IE zones
- LAB: Creating automated Claim Provided Trust configuration for clients

Module 5

- Load Balancing ADFS
- Setting up ADFS Farm
- LAB: Using IIS ARR to load-balance ADFS
- LAB (optional): Clustering IIS ARR

Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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