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Sign up

Microsoft Entra ID training

2 days (14 hours)

Presentation

Microsoft Entra ID (formerly Azure AD) training will teach you how to manage cloud-based access and identities. You'll be able to access various external resources such as Microsoft 365. Azure Active Directory became Microsoft Entra ID in 2024, but its functionalities remain much the same.

During your training, you'll learn how to master the Entra ID environment with Azure by setting up a directory. Discover all aspects offered Entra ID and Entra Connect extensions.

Control, manage and monitor access within your organization. Our training courses will enable your staff to develop their skills in the cloud.

Easy to use, Entra ID can be integrated into a wide range of platforms and applications. It's a feature that could work wonders for your different types of project.

Objectives

- Understand the fundamentals of Microsoft Entra ID and its use cases
- Manage users, groups, roles and licenses
- Securing the environment with MFA and Conditional Access
- Discover hybrid identity with Entra Connect
- Integrate SaaS applications into your Entra ID ecosystem

Target audience

- Systems / cloud administrators
- IT Architects
- DevOps engineers

- Technical project managers
- Developers integrating an authentication solution

Prerequisites

- Basic knowledge of Microsoft Azure (fundamental concepts)
- Basic knowledge of Active Directory (accounts and groups)
- Security and authentication concepts

Technical requirements

- Computer with stable Internet connection
- Personal (free) or business Microsoft account Modern web browser (Edge, Chrome recommended)
- A second device (smartphone) to test authentication
- Microsoft developer account or Azure subscription with administrative rights

Microsoft Entra ID training program

Introduction to Microsoft Entra ID

- Positioning in the Microsoft 365 and Azure ecosystems
- Differences between Entra ID and local Active Directory
- Editions and features (Free, P1, P2)
- Overview of authentication flows
- Introduction to multi-tenant and migration scenarios

Environment creation and configuration

- Entra ID tenant structure
- Adding and verifying a personalized domain name
- Overview of the administration portal
- Practical workshop: Setting up a test tenant, customizing the interface

Identity management

- User creation and management
- Group types and allocation methods
- Licensing (direct vs. group-based)
- Practical workshop: graphical and PowerShell user creation, group organization, license allocation

Safety fundamentals

- Available authentication methods
- Configuring and deploying multi-factor authentication
- Default security settings and best practices
- Practical workshop: Activating the MFA, testing the main methods, consulting safety reports

Multi-tenant scenarios and migration fundamentals

- Basic concepts of multi-tenant environments
- Use cases for multi-tenant environments (mergers, acquisitions, spin-offs)
- Introduction to migration strategies between tenants
- Licensing and security considerations
- Planning and phases of a migration between tenants
- Extended practical workshop: Migration scenario analysis and strategy development for a fictitious case study

Conditional access

- Fundamentals of Conditional Access
- Create location- and device-based policies
- Access control configuration (block, require MFA)
- Practical workshop: Creating conditional access policies, testing and validation

Introduction to hybrid identity

- Introducing Microsoft Entra Connect
- Authentication models (PHS, PTA, federation)
- Practical workshop: Planning an Entra Connect deployment (simulation)

Application integration with multi-tenant focus

- Application gallery overview
- Multi-tenant applications and sharing between tenants
- SSO configuration for multi-tenant applications
- Application authorization between tenants
- Setting administrator consent
- Extended practical workshop: SaaS application integration and configuration for multi-tenant access

Migration between tenants and service continuity

- Tools and methods for migration between Entra ID holders
- Migration of users, groups and permissions
- Application management during migration
- Strategies for temporary coexistence

- Maintaining application access during the transition
- Case studies in successful migration
- Managing external identities during migration
- Extended practical workshop: Simulation of a complete migration plan for a critical application

Supervision and best practices

- Specific scripts and automation for multi-tenant management
- Simplified hands-on workshop: Handling a pre-designed script for multi-tenant management

Conclusion and resources

- Summary of key points
- Resources for further study
- Final questions/answers

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire enabling us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives with regard to the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.