COURSE OVERVIEW

Course Name:
(AZ-500) Microsoft Azure Security Technologies

COURSE DURATION: 4 Days

Gauteng:
3rd Floor, 34 Whitely Road
Melrose Arch
Johannesburg
2196

Gauteng:
192 on Bram
192 Bram Fischer Drive
Ferndale, Randburg
Johannesburg
2160

Cape Town:
3rd Floor, Thomas Pattullo Building
19 Jan Smuts St
Cape Town
8000

Durban:
9 Mountview Close
Broadlands
Mount Edgecombe
Durban
4302

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INTRODUCTION

This course provides IT Security Professionals with the knowledge and skills needed to implement security controls, maintain an organization's security posture, and identify and remediate security vulnerabilities. This course includes security for identity and access, platform protection, data and applications, and security operations.

DELIVERY METHOD

Our courses have flexible delivery options:

- In-person classroom training at the Impactful training facilities
  - Johannesburg, Durban, Cape Town
- Virtual instructor-led training
- Nationally: on-site at the client

IMPACTFUL
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INTENDED AUDIENCE

This course is for Azure Security Engineers who are planning to take the associated certification exam, or who are performing security tasks in their day-to-day job. This course would also be helpful to an engineer that wants to specialize in providing security for Azure-based digital platforms and play an integral role in protecting an organization's data.

PREREQUISITES

Successful learners will have prior knowledge and understanding of:

- Security best practices and industry security requirements such as defense in depth, least privileged access, role-based access control, multi-factor authentication, shared responsibility, and zero trust model.
- Be familiar with security protocols such as Virtual Private Networks (VPN), Internet.
- Security Protocol (IPSec), Secure Socket Layer (SSL), disk and data encryption methods.
- Have some experience deploying Azure workloads. This course does not cover the basics of Azure administration, instead the course content builds on that knowledge by adding security specific information.
- Have experience with Windows and Linux operating systems and scripting languages.
- Course labs may use PowerShell and the CLI.

COURSE CONTENT

Module 1: Identity and Access
Lessons
Configure Azure Active Directory for Azure workloads and subscriptions
Configure Azure AD Privileged Identity Management
Configure security for an Azure subscription

Module 2: Platform Protection
Lessons
Understand cloud security
Build a network
Secure network
Implement host security
Implement platform security
Implement subscription security

Module 3: Security Operations
Lessons
Configure security services
Configure security policies by using Azure Security Center
Manage security alerts
Respond to and remediate security issues
Create security baselines

Module 4: Data and applications
Lessons
Configure security policies to manage data
Configure security for data infrastructure
Configure encryption for data at rest
Understand application security
Implement security for application lifecycle
Secure applications
Configure and manage Azure Key Vault