Ducara Info Solutions (P) Ltd.

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W10|IS

Window 10 Infrastructure Security

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WHY W10|IS?

- **W**indows **10 Security Training** Learning Path will covers all security mitigations that are built into Windows **10**, as well as those you can configure it.

- Windows 10 has a defense stack that carries customers through pre and post-breach activities, with pre-breach including device **Protection**, **Threat Resistance**, **Identity Protection** and **Information Protection**, and post-breach including breach detection investigation and their response.
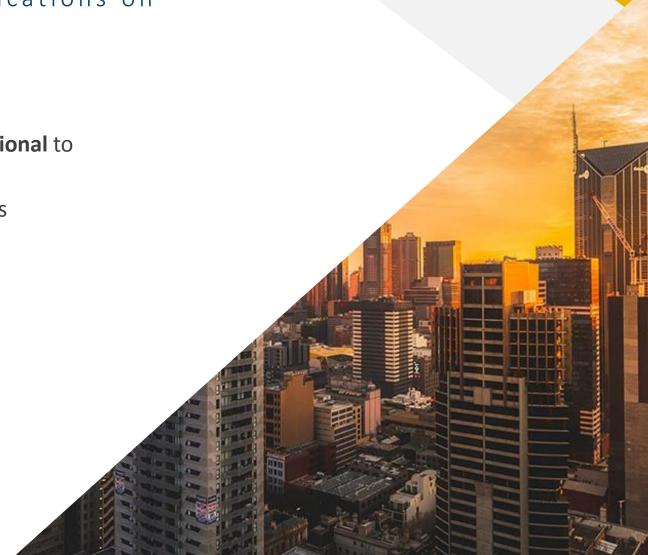
Are you in Trends?

The W10|IS is one of the hottest certifications on the market today.

- Certifications also ensure your credibility as a **Professional** to carry out their assigned jobs efficiently.

- A competitive edge over your non-certified colleagues

- Better chances of getting **hired**

- Better career advancement **opportunities**

- Higher wages and better perks

- Higher chances of **job** retention and promotions

What is the Objective?

Outcome Of this Course

- This certification is a quick and a recognized benchmark mapped to a particular skill set based on standardized testing. Holding a certification denotes that you not only possess comprehensive knowledge of that technology but you are also motivated enough about your own career to spend resources and get certified.

What you'll learn

- The current nature of the **security threat** landscape

- The new security architecture and features of Windows **10** that mitigate threats

- Insights into the security services bundled with Windows 10 latest edition

- Knowledge of the supporting security **E**xternal **I**nfrastructure
- The new security baseline configurable using **G**roup **P**olicy **O**bjects (GPO)

Target Audience

Who earns W10|IS?

The **W10|IS** certification for high-end IT skills is a surefire way to advance your career. A certificate proves your mastery of a particular skill or discipline. This certifications can help an **E**ngineering **S**tudent or a recent **G**raduate or a **P**rofessional by providing additional skills and training in their field.

- Project Management Professional
- Information Technology Professional
- Enterprise Architect
- Security Administrator

- Microsoft Security Engineers
- Microsoft Professionals
- Security Manager
- Systems Architect

Duration: 32Hrs

TOPICS THAT WILL BE COVERED

Module 01:

Cyber Threat Landscape

- Current Scenario

- Need to be more secure

- Mitigate threats by using Windows 10 security features

Module 02:

Overview of Threat Resistance

- Windows Defender Antivirus

- Microsoft Edge

- Device Guard

- Override Process Mitigation Options to help enforce app-related security policies

- Use Windows Event Forwarding to help with intrusion detection

- Block untrusted fonts in an enterprise

Module 3:

Windows Defender Antivirus in Windows 10

- Windows Defender AV
- Features for Windows Defender AV in Windows 10
- Windows Defender AV compatibility
- Evaluate Windows Defender AV protection
- Deploy Windows Defender AV
- Manage Windows Defender AV updates
- Report on Windows Defender AV protection
- Configure Windows Defender AV features
- Customize, initiate, and review the results of scans and remediation
- Review event logs and error codes to troubleshoot issues
- Configuration Tools
- Windows Defender SmartScreen

Module 4:

Windows Defender Application Guard for Microsoft Edge

- Overview of Microsoft Edge

- Understanding targeted attacks against large Enterprises

- Digging deeper into Application Guard

- Defense-in-depth isolation for enterprises

Module 05:

Device Guard in windows 10

- AppLocker
- Overview of BitLocker
- Control the health of Windows 10-based devices
- Security auditing
- Security policy settings
- Trusted Platform Module Overview
- Windows security baselines

Module 06:

Windows Defender Advanced Threat Protection

- Advantages of Windows Defender ATP
- Advance Security and Tools
- Protect your business from advanced threats
- Windows Defender ATP portal
- Pull alerts to your SIEM tools
- Use the threat intelligence API to create custom alerts
- Check sensor state
- Configure Windows Defender ATP preferences settings
- Windows Defender ATP settings
- Windows Defender ATP service health
- Troubleshoot Windows Defender ATP
- Review events and errors on endpoints with Event Viewer
- Windows Defender Antivirus compatibility

Module 07:

Windows 10 Identity Protection

- Windows Hello

- Credential Guard

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Module 08:

Information Protection in Windows 10

- BitLocker

- Protect your enterprise data using Windows Information Protection

  (WIP)

- Azure Information Protection

Module 09:

Secure the Windows 10 boot process

- The threat: rootkits

- The countermeasures

- Secure Boot

- Trusted Boot

- Early Launch Anti-Malware

- Measured Boot

Module 10:

Trusted Platform Module

- TPM fundamentals

- TPM Group Policy settings

- Back up the TPM recovery information to AD DS

- Manage TPM commands

- Manage TPM lockout

- Change the TPM owner password

- View status, clear, or troubleshoot the TPM

- Understanding PCR banks on TPM 2.0 devices

Module 11:

How Hardware-based containers help protect Windows 10

- What security threats do containers protect against

- How containers help protect Windows 10

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Any Query?

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The Technology is changing every day and we at Ducara are committed to demonstrating values. Embracing a digital transformation strategy which drive returns on IT security investment.