



Workshop:

What's new in Windows Server 2019

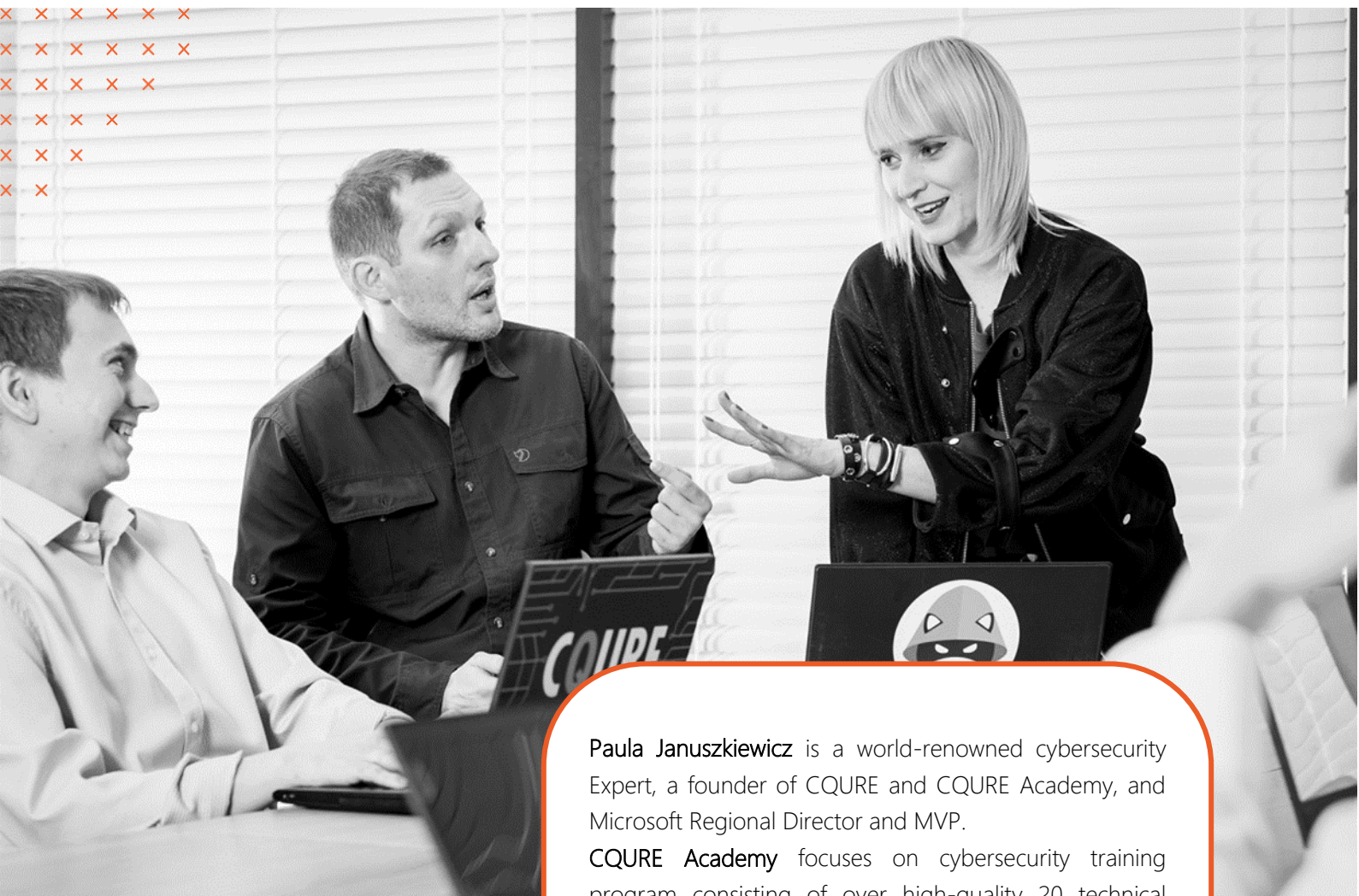
Duration: 2 days

CQURE

Warsaw New York Dubai Zug

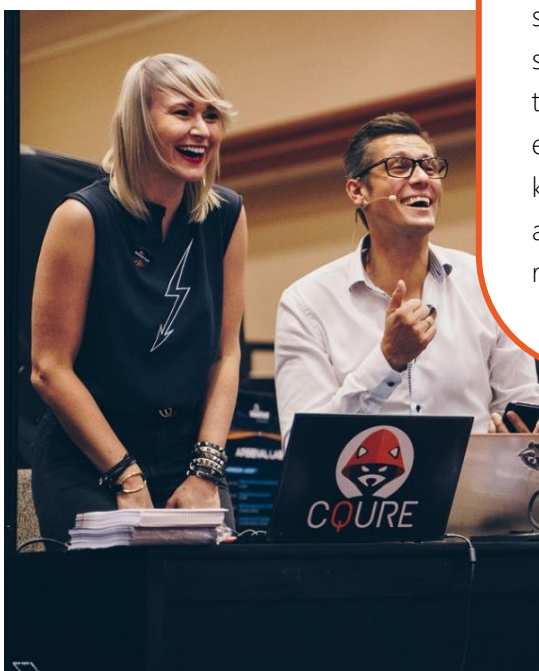
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Paula Januszkiewicz is a world-renowned cybersecurity Expert, a founder of CQURE and CQURE Academy, and Microsoft Regional Director and MVP.

CQURE Academy focuses on cybersecurity training program consisting of over high-quality 20 technical workshops and seminars and providing certification to specialists. Additionally, in October 2016 CQURE has successfully launched online and subscription-based training. **CQURE Experts** speak at international events and engage in multiple cybersecurity projects – they bring their knowledge and experience to trainings. CQURE Academy also involves R&D – that is why CQURE Team is recognizable in the cybersecurity field.



About the course

How will the business or end users benefit from the new features of **Windows Server 2019**? Learn about the new enhanced capabilities of the Windows 2019 starting from server virtualization, storage, software-defined networking, server management and automation, web and application platform, access to information protection, virtual desktop infrastructure, and many more.

During this 2-day course you will expand your knowledge in terms of all the novelties in the newest version of Windows server 2019!



Target audience

System administrators, infrastructure architects, systems engineers, network administrators, IT professionals and other people responsible for implementing and managing Windows Servers and are eager to get up and running with Windows Server 2019

Prerequisites

To attend this training, you should have good hands-on experience in administering Windows infrastructure.

Materials

After the workshop, you will receive presentation slides.

Agenda

Module 1: Windows Subsystem for Linux

1. Architecture and Security
2. WSL integration with Windows - file systems, networking, processes
3. Empower your developers with Windows Subsystem for Linux
4. Update Management

Module 2: Containers

1. The concept of containers and microservices
2. Speed up development process with containers
3. Docker deployment
4. Combat constantly changing IT infrastructure with Docker
5. From development, through testing to production - Build modern agile development workflow
6. Deep dive into Docker Engine:
 - a. Images
 - b. Dockerfile
 - c. Networking
 - d. Storage
 - e. Resource Management
 - f. Management through PowerShell
7. Docker Swarm

Module 3: System Insights

1. Configuration
2. Integration with Admin Center
3. Management with PowerShell

Module 4: Hidden gems

1. LEDBAT
2. RSC and d.VMMQ
3. Changes to Windows Time
4. Internal Platform Changes

Module 5: Windows Defender ATP

1. Architecture
2. Onboarding
3. Deep dive into Exploit Guard
4. Changes to Code Integrity aka Application Control
5. SDN – Encrypted networks

Module 6: Shielded VMs enhancements

1. Shielded VMs concepts
2. Fabric and Workload Administrator
3. Attacks on your virtualization infrastructure
4. Host Guardian Service Enhancements in Windows 2019
5. Backup and restore operations
6. Shielded VMs for Linux
7. Put it on the next level with encrypted networks

Module 7: Windows Admin Center

1. Architecture and requirements
2. Manage Cloud and on-prem environment with WAC
3. Integrate with Azure Backup and Azure Site Recovery