

Deloitte Advanced Cyber Training: PowerShell Foundations

PowerShell Foundations presents the fundamentals of scripting, PowerShell, and a baseline of techniques and terminology for network defenders. The course is delivered using a balance of instructor lecture, class discussion, and practical, hands-on exercises for participants. Each lesson progresses participant knowledge, leveraging information learned from previous lessons to create a steady flow of development and concept reinforcement.



Course length

Forty (40) hours of course work, ideally provided over five (5) consecutive business days.



Program overview

Module 1: PowerShell introduction
Module 2: Using cmdlets
Module 3: Scripts
Module 4: Variables
Module 5: Control flow
Module 6: Error handling
Module 7: Providers
Module 8: Data parsing
Module 9: Modules
Module 10: Cyber operations



Value to participants

Deloitte's Advanced Cyber Training courses are designed to be interactive, realistic, and to emphasize hands-on application of presented concepts and material. Additionally, all courses align with the National Institute of Standards and Technology (NIST)/National Initiative for Cyber Security Education (NICE) Workforce frameworks.



Target audience

IT and security professionals with limited experience or formal training with PowerShell. The program is relevant to server/desktop administrators, network defenders, or a position that interacts with PowerShell.



Prerequisites

There are no pre-requisites for attending; however, to ensure maximum participation and training value Deloitte recommends that attendees have a basic understanding of Windows and PowerShell functions.



Delivery options

This course is live/instructor-led and available either virtually or on-site. The course blends multiple instructional methods including lecture, discussion, and extensive hands-on practical lab exercises.

What makes Deloitte's Advanced Cyber Training different?

Deloitte's advanced cyber training includes validated courseware facilitated by accomplished instructors and backed by Deloitte's reputation serving US commercial, defense, and intelligence communities. Whether in-person or virtual, Deloitte's Advanced Cyber Training courses are designed to help participants and organizations develop and mature their defensive cyber capabilities.

Approach

- Deloitte's mission is to help participants to attain an **advanced** level of cybersecurity knowledge, skills and abilities (KSAs)
- **Delivery methods** are based on US Department of Defense (DoD) and Intelligence Community (IC) training protocols
- Operations and **real-world scenario** directed training
- KSAs are developed via **lecture, discussion, and various hands-on exercises**

Talent

- Deloitte's **experienced training team** provides more than content facilitation; instructors present the mindset associated with offensive and defensive cyber operations and provide real-world mission insight and experience
- Instructors have participated in and developed national-level **offensive and/or defensive cyber operations**

Trusted

- Deloitte's Advanced Cyber Training combines **root9B's (R9B)** training catalog and experience with Deloitte's high-quality reputation and resources
- Prior to acquisition by Deloitte in 2021, R9B was a **trusted training provider** for the DoD for more than (7) years providing training and mission qualification evaluations to DoD cyber operations organizations
- Mature and well-defined training program providing learning objectives that map to **NIST/NICE** job work role frameworks

Accessible

- Training fees are **competitive** with industry peers
- All courses are live, instructor-led and delivered either **in-person** or **virtually** via live video conferencing
- **Flexible** course schedule designed to meet client demands
- Diverse catalog of offerings that can be **tailored to custom requirements**
- Training is operations focused, but caters to professionals serving **multiple security roles and specialties**

Multifaceted

- **Modular content design** that allows for clients to define training requirements based upon need and known gaps in learner KSAs
- **Deloitte's evolving content** presents learners with exposure to emerging adversary tactics, techniques, and procedures (TTPs) and industry leading practices
- Current course catalog includes **Cyber Threat Intelligence Analysis, Adversary Tactics and Techniques, Hunt Methodology, Threat Methodology, Active Cyber Analytics**, and more

Contact usadvancedcybertraining@deloitte.com or one of the professionals below to learn more about Deloitte's Advanced Cyber Training opportunities and capabilities.



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