Instructor Sessions –

Automation with Dell Networking

Session Duration
4 Hours

Modality
Live Learn

Audience
Networking practitioners and administrators interested in acquiring specialist skills in automation

Prerequisite Requirements
Familiarity with OS10 and Ansible is recommended

OVERVIEW

Dell Networking solutions are based on an open ecosystem, enabling organizations to choose from industry-standard network applications, network operating systems and network hardware. Using standard automation tools, like Ansible allows data center and IT administrators to automate and orchestrate the configuration, deployment, and maintenance of their Dell PowerSwitch environment.

The traditional box-by-box approach often incurs high labor costs when scaling out deployments and troubleshooting network environments. Ansible offers flexibility with Ansible modules and Ansible Tower which enables IT administrators to automate and orchestrate configuration tasks to simplify, automate, and validate many repeatable tasks.

In this Instructor Session, we will leverage Dell PowerSwitch automation capabilities to enable systematic and programmatic management of the network environment. Following the session, you will be able to programmatically automate operations of your networking environment.

This session will include automation on OS10 and Enterprise SONiC

During the session you will:

- Learn about the Dell PowerSwitch ecosystem and its automation options including support for REST API's, SmartFabric Services, Ansible Controller and Ansible Tower
- Experience live lab demonstrations using automation use cases that enable you to automate repetitive tasks, collect information about network devices and deploy network changes
- Explore Ansible modules to audit and change network configurations across multiple switches
- Test and validate your existing network state and investigate how to roll changes back to a previous configuration
- Receive bonus material and access to hands-on-labs to support you in your automation journey

DELL Technologies

SUBJECT MATTER EXPERT

Barry O'Sullivan – Global Lead Instructor, Dell Networking

Barry is the Global Lead Instructor for Networking at Dell Technologies Education Services. In this learning consultancy role, he focuses on developing and delivering intermediate & advanced networking courses, covering routing and switching technologies on Dell network operating systems.

With over 20 years of experience in IT and adult learning, Barry provides educational and technical thought leadership in curricular planning, certification upskilling and training delivery within the networking domain.

Barry holds a bachelor's degree in Law, Diploma in Psychology, and a master's degree in organizational behavior with a thesis on applying knowledge after attending learning events

Live chat moderated by **Brian Forget – Networking Technical Instructor**

Brian Forget is a Technical Instructor with more than 20 years of technical expertise at Dell Technologies. Brian is a subject matter expert on Networking.