Emerging Technologies Workshop: Model Driven Programmability

For completing the Cisco Networking Academy® Emerging Technologies Workshop on Model Driven Programmability, and demonstrating the ability to perform the following:

- Explain the concept of APIs and the importance of RESTful APIs for software integration.
- Explain how network programmability enhances network management and automation.
- Explain the advantages of using model based device APIs, compared with a traditional CLI based approach for network automation.

- Explain how YANG device models define the structure, syntax and validation rules for device data.
- Interact with networking devices using RESTCONF and NETCONF API interfaces.
- Use Python with combination of RESTCONF and NETCONF APIs to retrieve and update the device's configuration.

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Date