Event Description:
The tasks will require knowledge of the initial setup, layer 2 switching and layer 3 inter VLAN routing onsite in the provided lab environment. The lab environment is provided based on Cisco Packet Tracer. Teams will be tested on their understanding of Intercloud and networking security. Student teams will be given the opportunity to demonstrate their networking skills. Teams will work to secure their network and prepare for a competition practice attack.

Disciplines/Skills Recommended:
- Basic WiFi SSID setup and security settings
- Basic data center interconnect
- Intermediate routing and switching configuration (spanning tree, OSPF routing, IP addressing, sub netting)
- Networking security skill (access lists, control plane policing)

Technical Parameters:
- Configure general networking (virtual routing and switching on PC)
- Establish Data Center Interconnect (DCI) from the lab (PC) to the Cloud (D-Cloud, Amazon, Azure, etc.)
- Configure security policies on DCI
- Configure wireless SSID on the controller
- Configure security on wireless SSID
- Configure security inside the Cloud
- Configure security (ACL, CPP, etc.) inside virtual lab (PC)

Equipment Requirements:
Students
- Reference materials

Venue
- 1 laptop per team
- Cisco Packet Tracer
- All Cabling and power
- (Local Cisco office will provide WiFi access points, virtual server for all designs, switches needed, etc.)

Schedule:
This is an all-day event, which will be held Saturday, April 2, 2016.

Awards:
Each winning team member will receive a $1,000 scholarship.