



Find Yourself Adventures

Find Yourself Adventures has been providing life defining experiences to its customers for the past 35 years. Their most popular adventure package involves them dropping customers in the middle of the woods with nothing but the clothes on their back forcing them to survive and find themselves. In the ten years that they have offered the “drop you in the woods” package they have had approximately 40% of their customers make their way back to civilization. The company claims that the other 60% has decided to live a simpler life in the woods. Unfortunately, Find Yourself Adventures is having a problem finding some of the components of their network. They would like you to use the APIC-EM API to help them discover the network topology so their network doesn't end up like the other 60%.

Requirements:

Contestants will use the APIC-EM API v 1.2 to get the physical network topology, and then parse the data to display the topology nodes and interfaces in a text based format. Network Hosts may be ignored. For each network device its platform ID, family, label and IP should be displayed. In addition, for each network device its corresponding interface information for each device to which it connects should be displayed and include the port name (both start and end), platform ID, and Link Status. The link data provided for each node shows to what device that node connects to, but not which nodes connect to it. Therefore, the displayed data will not show all connected devices/interfaces for each node.

Additional Information

APIC-EM API Reference Guide is: <http://devnetapic.cisco.com/>

APIC-EM Portal is: <https://developer.cisco.com/site/apic-em/>

The APIC-EM controller DNS and login credentials are below. Developers should turn off security certificate checking when making API calls to this APIC-EM controller.

Judging Criteria

1. Program should run and display data without failure.
2. The displayed data should be easily understood, and contain all of the aforementioned attributes for each network device and interface.