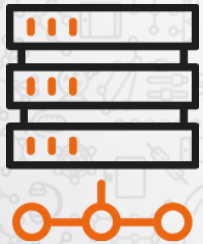
1.3 Why Ansible



Why Ansible

- Commercial vs. Home Grown vs. Open Source
- Has most network vendor support
- RedHat = Established Brand
- Big community and momentum
- Not just for Networks

Being Popular is Good

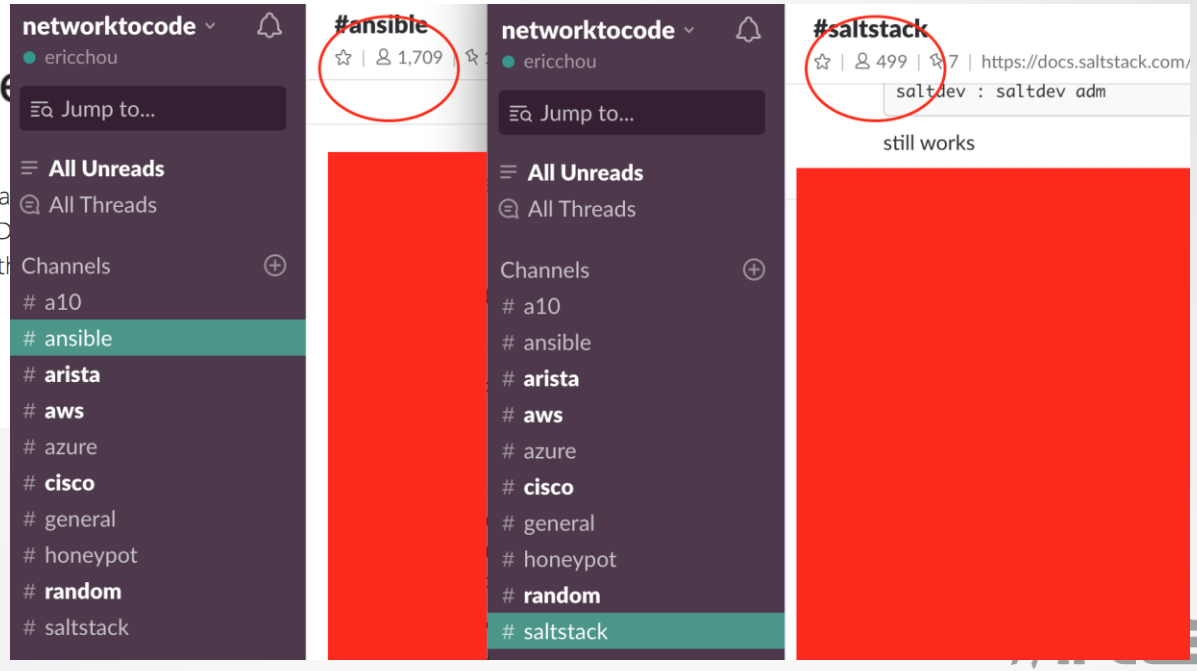
ANSIBLE NAMED A TOP 10 OPEN SOURCE PROJECT BY OPENSOURCE.COM

December 16, 2014 by Dan London

2014 Top 10 Ope

We are pleased to announce that Ansible has been na
2014 by Opensource.com. Be sure to watch Michael D
infrastructure should be boring, read his interview wit
about one of his favorite Star Trek quotes.

View the full list here.



Credit: https://www.ansible.com/

Next: What is new in version 2?

Course Objectives

Introduce Ansible from Beginning

“Up and Running” with Network Devices

Save Time + Be More Productive

Course Overview

- Hands-On, Lab-Based
- Installation to Up and Running
- Variables, Inventory, Playbooks, etc.
- Demonstration with Cisco, Arista, Juniper devices
- Write your own Module

OSPF Configuration Workflow

- Configure Basic OSPF
- Verifying OSPF Adjacencies
- Verifying the OSPF Database

Tracking Topology Changes

- When a new LSA is received it is checked against the database for changes such as...
  - Sequence number is used to:
    - track new vs old LSAs
  - Age is used to:
    - Keep information new
    - Withdraw old information
      - Periodic flooding occurs after 30 minutes
        - "paranoid" update
    - LSAs that reach MaxAge (60 minutes) are withdrawn
  - Checksum
    - Used to avoid transmission & memory corruption

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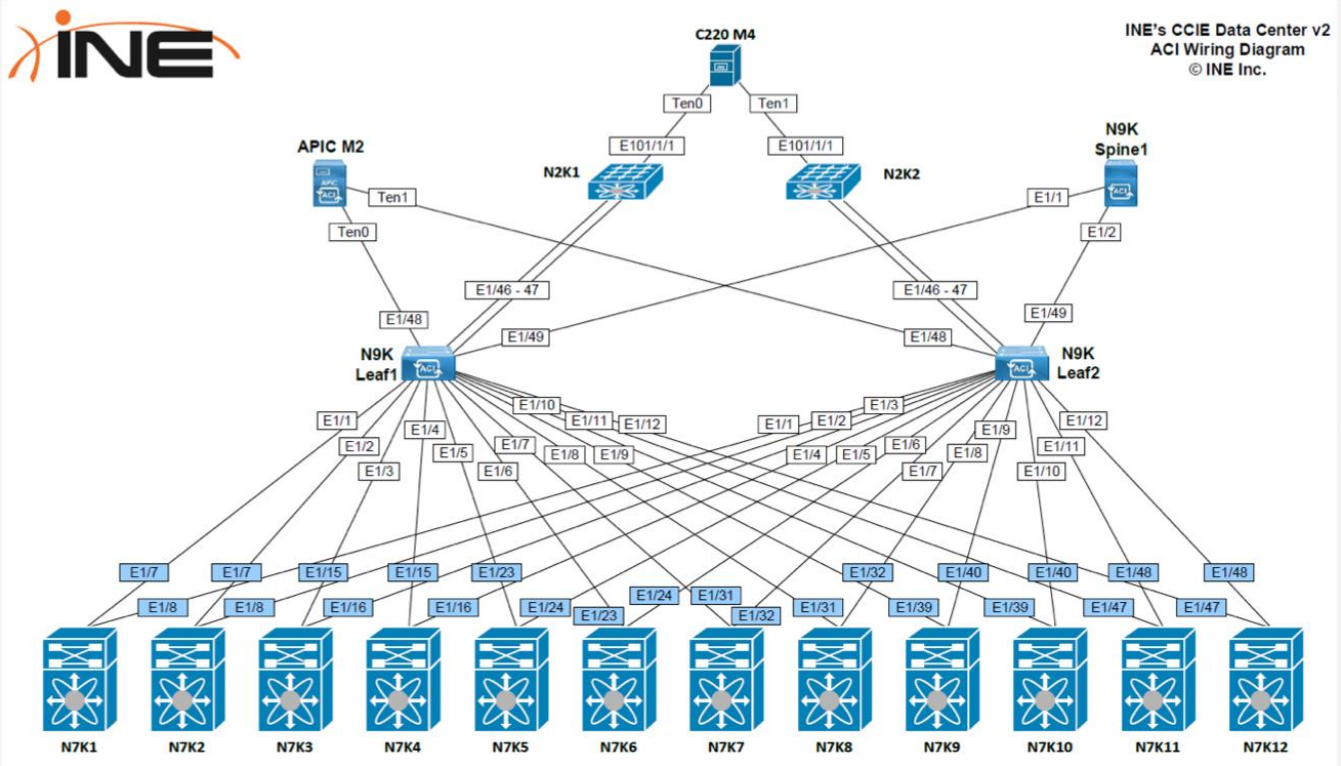
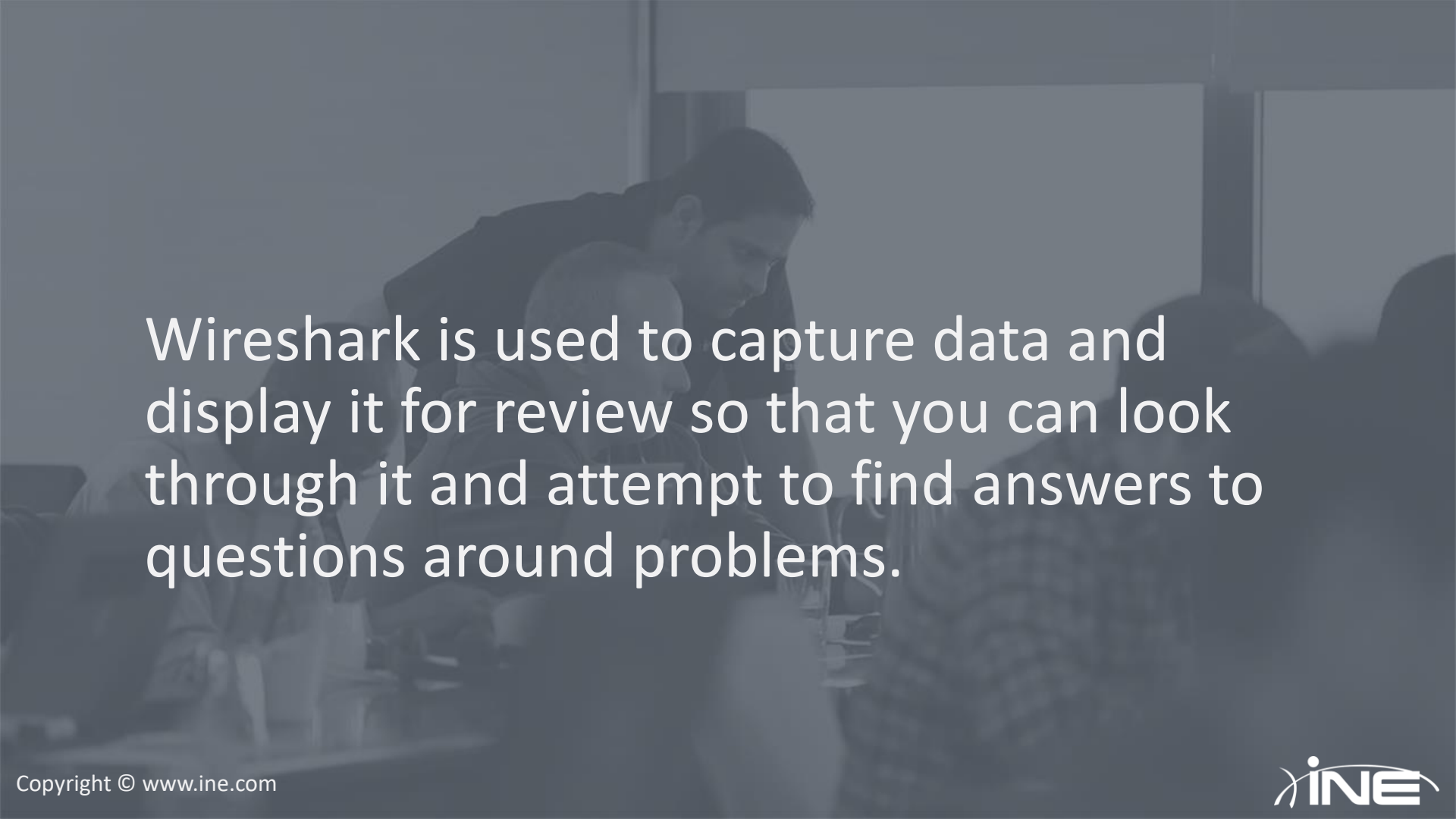


Product/Topology Diagram



Wireshark is used to capture data and display it for review so that you can look through it and attempt to find answers to questions around problems.