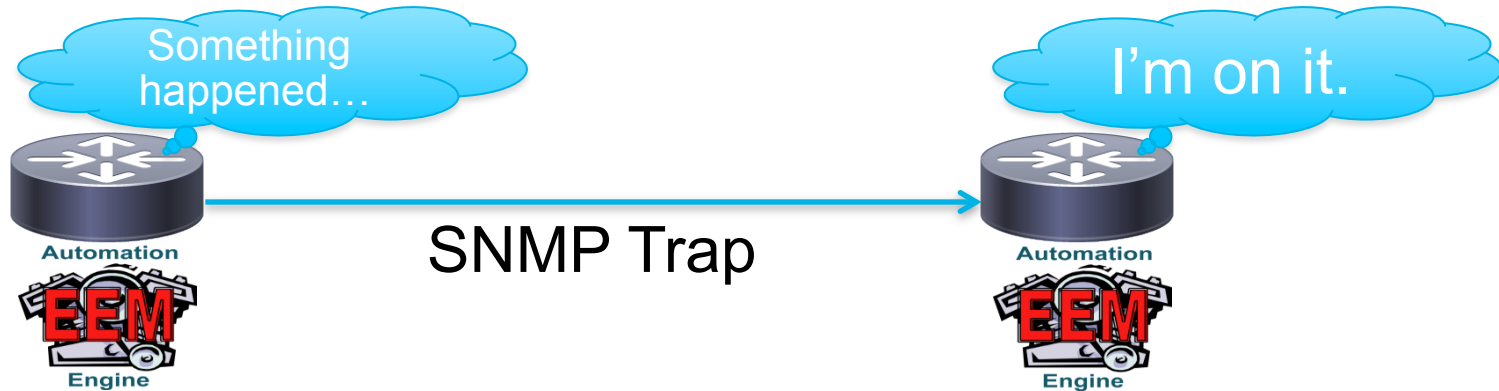# Enabling Debug on a Remote Device

- It is possible to to trigger an EEM on one device from another device.

- This is most easily done by sending an EEM trap from one device, and intercepting the trap using the SNMP-Notification ED on the second device

- Requires EEM 2.4 or higher on the second device, but only EEM 1.0 on the device sending the trap

Something happened…

I'm on it.

SNMP Trap

1

Enabling Debug on a Remote Device (cont.)

- When one device detects a condition, use SNMP traps to enable debugging on a peer device

Source Router:

```
event manager applet ospf-change
 event syslog pattern "OSPF-5-ADJCHG"
 action 1.0 cli command "enable"
 action 2.0 cli command "debug ip ospf packet"
 action 3.0 snmp-trap intdata1 424242
!
snmp-server enable traps event-manager
snmp-server host 10.1.1.1 traps public event-manager
```

Enabling Debug on a Remote Device (cont.)

- Receive the EEM trap on the peer device

Peer Router:

ceemHistoryPolicyIntData1

```
event manager applet ospf-change
 event snmp-notification oid 1.3.6.1.4.1.9.10.91.1.2.3.1.9.
oid-val "424242" op eq src-ip-address 10.1.1.2
 action 1.0 cli command "enable"
 action 2.0 cli command "debug ip ospf packet"
!
snmp-server manager
```

MIB Object Navigator : http://tools.cisco.com/squish/7f7ef