



Tech Update – Routing

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Agenda

- Polaris Introduktion, Per
- Router overblik og nyheder, Per
- PnP og zero-touch deployment, incl demo, Rene
- IWAN overblik, Per
- iWAN demo, Rene
- Afslutning



16.1 release (Polaris)

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Overview of IOS XE 16.x (Polaris)

Manageability



Prime Infra.



APIC-EM



WebUI



CLI, SNMP, RESTConf*, NETConf*

Operating System

Unified Software Stack (Polaris)



Switches



Wireless



Routers

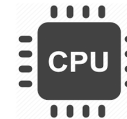


IoX

Platform ASICs/CPU

CPP

UADP

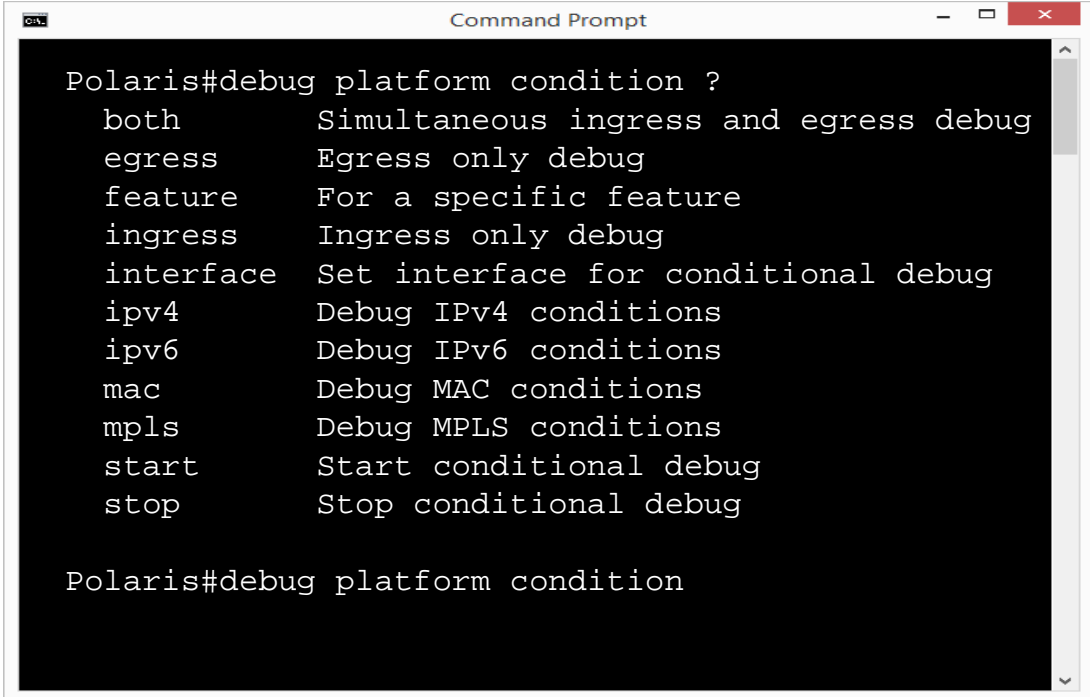


One Operating System across Enterprise platforms

Object/Event Tracing

Conditional Debugging based on IP or MAC generates a UUID

Filtering Logs with UUID reveals only **relevant debug messages**



```
Command Prompt
Polaris#debug platform condition ?
  both          Simultaneous ingress and egress debug
  egress        Egress only debug
  feature       For a specific feature
  ingress       Ingress only debug
  interface     Set interface for conditional debug
  ipv4          Debug IPv4 conditions
  ipv6          Debug IPv6 conditions
  mac           Debug MAC conditions
  mpls          Debug MPLS conditions
  start         Start conditional debug
  stop         Stop conditional debug

Polaris#debug platform condition
```

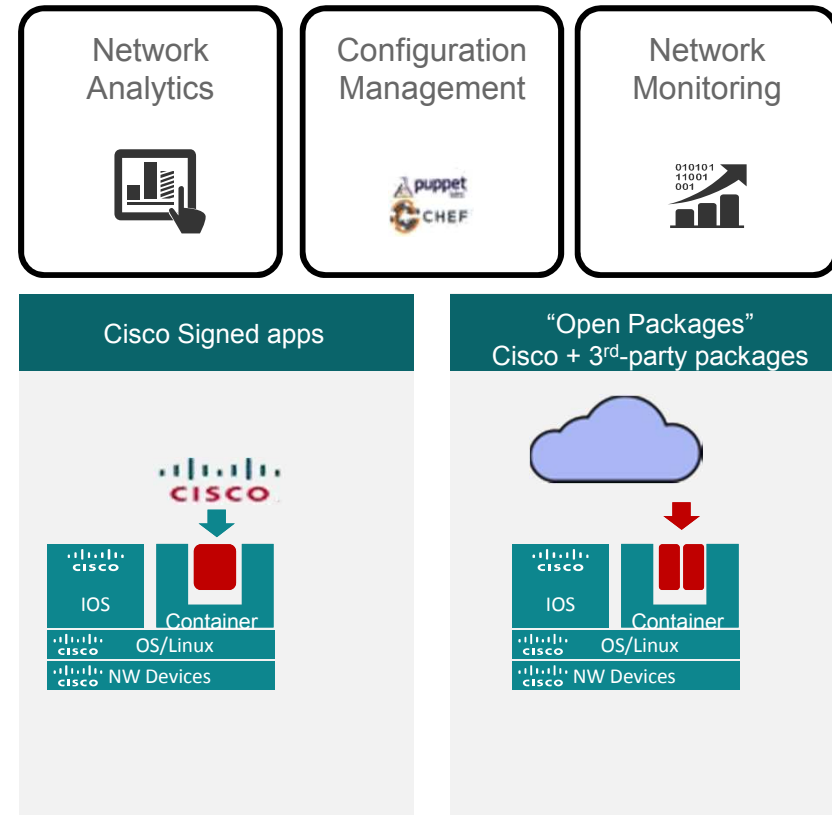
Application Platform

Kernel Support for **Multiple Containers** exist in Polaris Phase-I

Depending on the Platform Capabilities, Apps can run in Containers

netconf/restconf/yang/rest-api Interfaces

Life Cycle Management



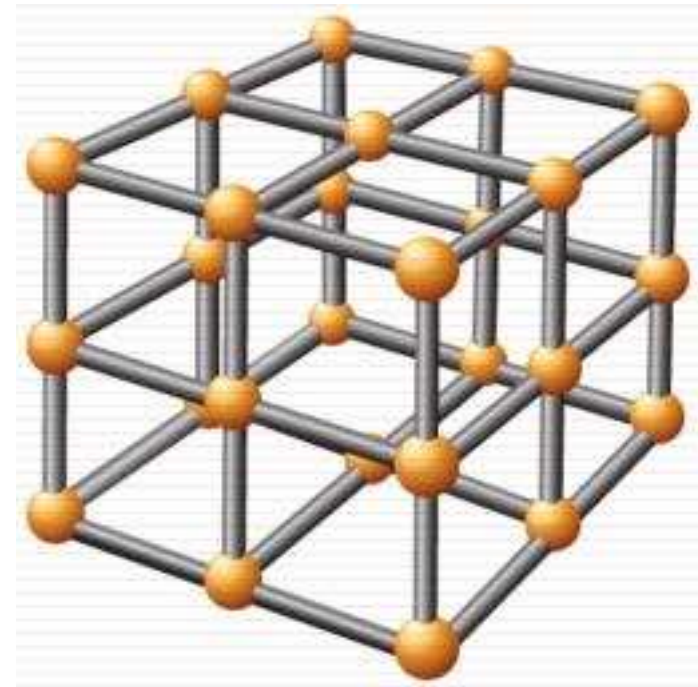
AVC will be available

for

Wired & Wireless

AVC Framework & CLI

AVC **Technique** can vary from platform to platform, depending on the system capabilities. However, **Framework and CLI** remains the same



What do we have in Polaris Phase 1 (16.1)?

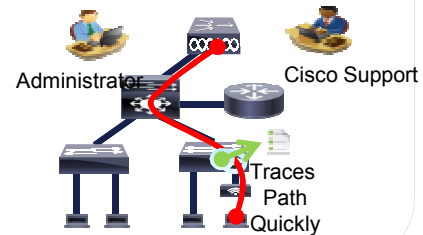
Sub Package Upgrade
for WCM



WebUI
Day0, Day1
Faster Device Onboarding



Radioactive Tracing for
Wired & Wireless



Smart Licensing



Feature Parity with 3.7*

Targeted for 16.2

- X MACSEC
- X CISP/NEAT
- X SGT over FNF

Targeted for 16.3

- X CTS Dot1X
- X Critical Auth

Deprecated

- X Medianet
- X Flexlink