

# ZTP

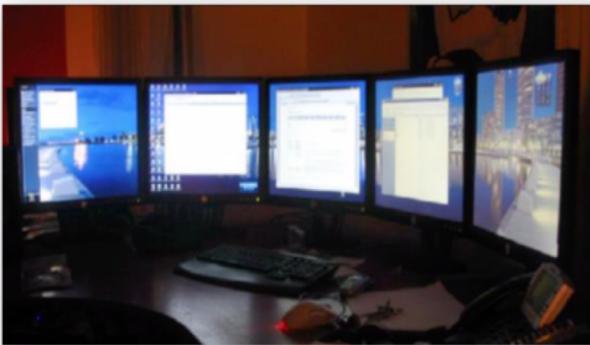
# Why Programmability?



**Reduction of human error**



**Enables Innovation**

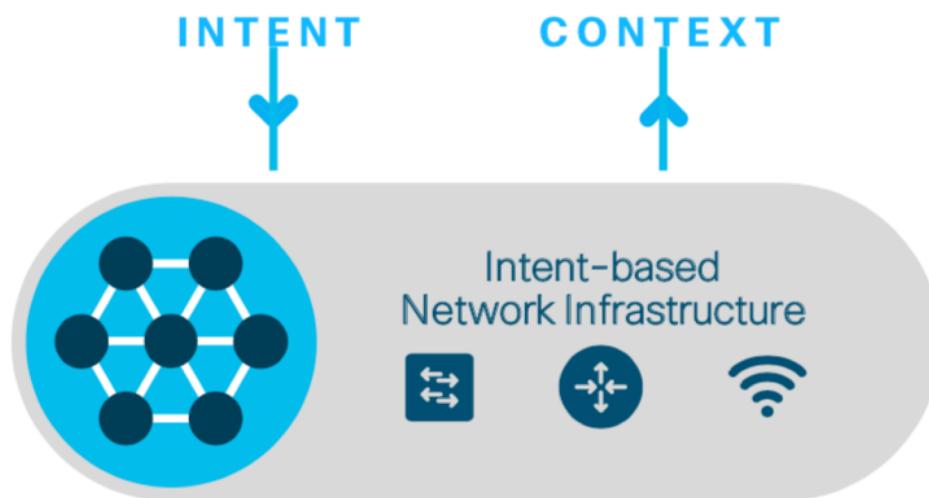


**Easier Troubleshooting**



**Time and money cost savings**

# IOS XE 16.x: Intent-based Network Operating System



IOS XE 16.x

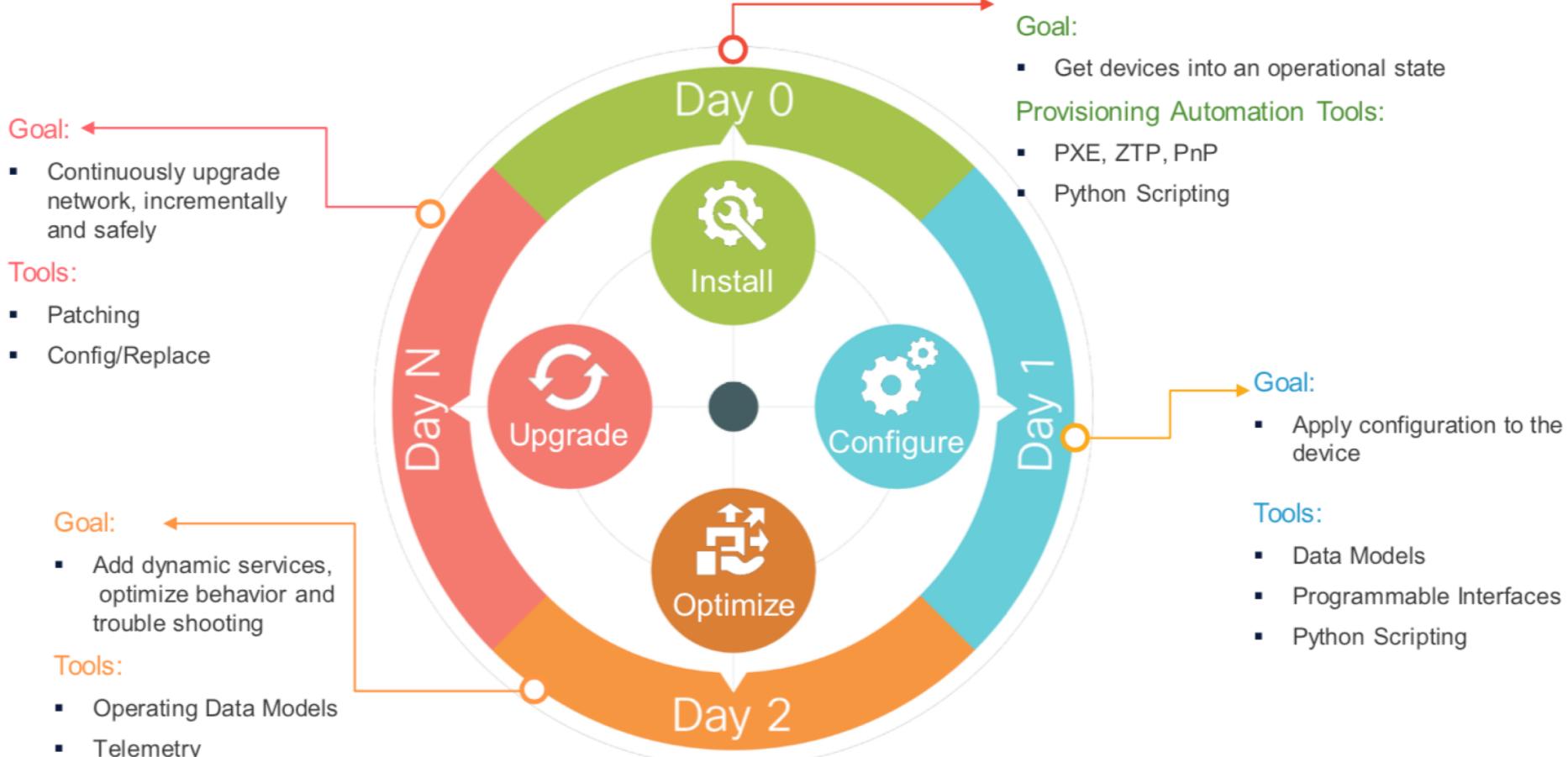
optimized for enterprise networks

wired and wireless access, aggregation, core, and WAN

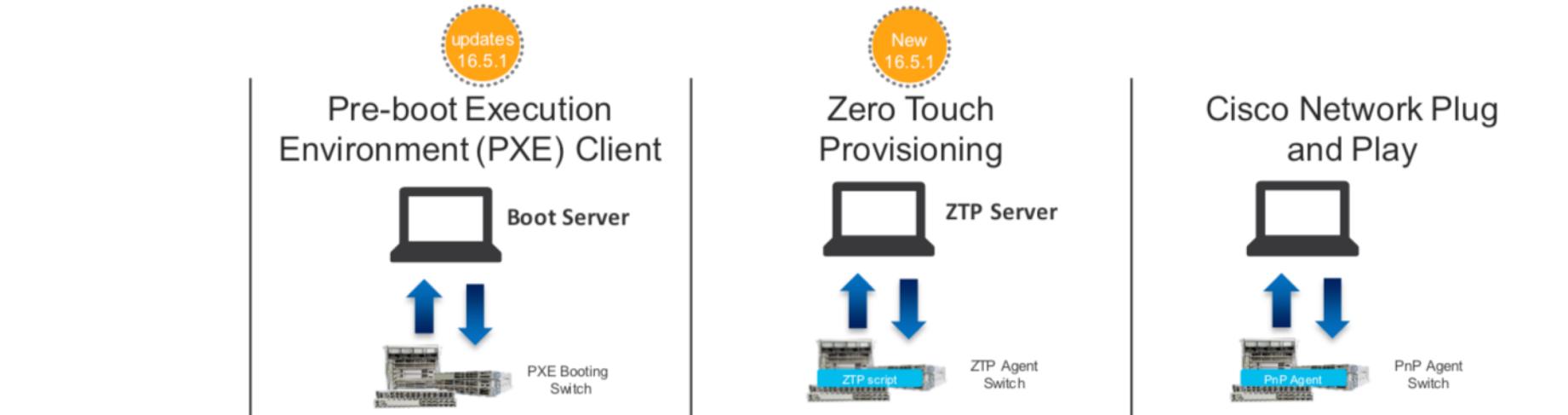
open and flexible

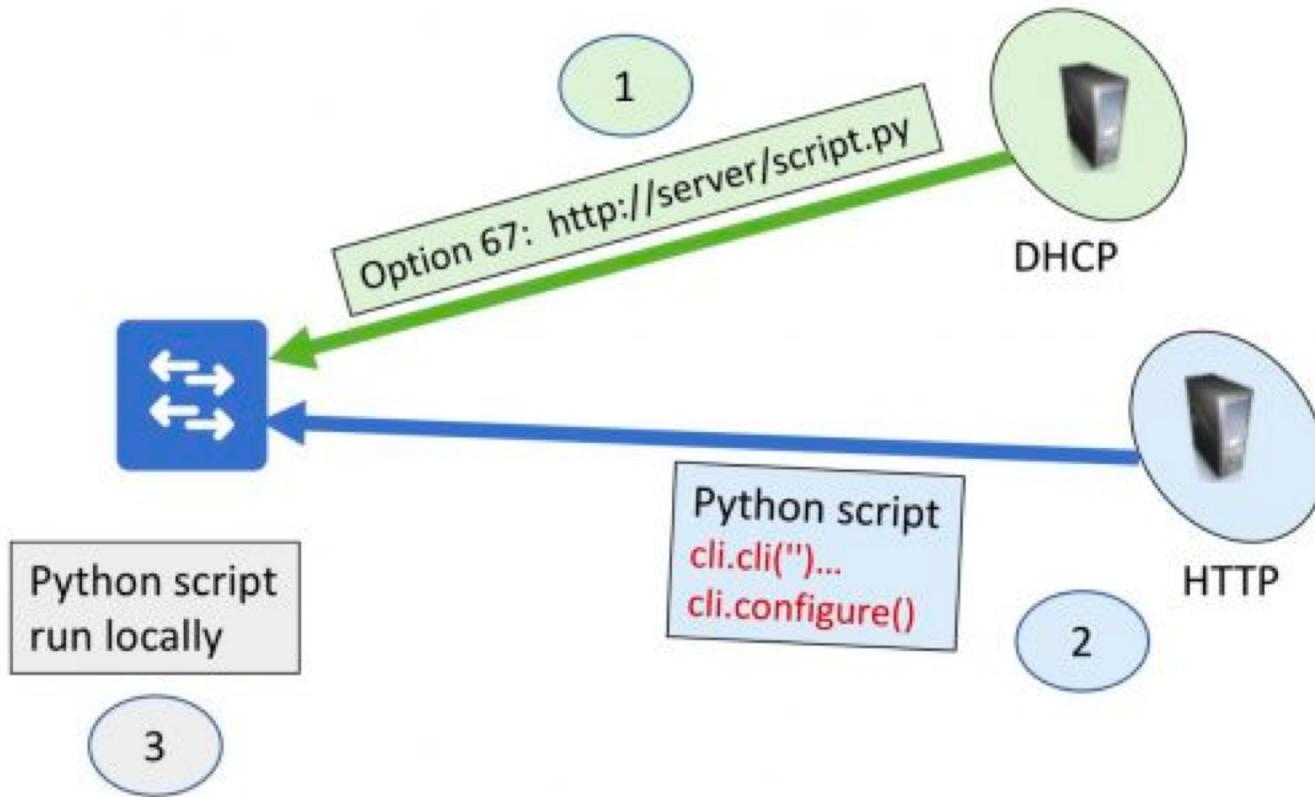
standards-based APIs

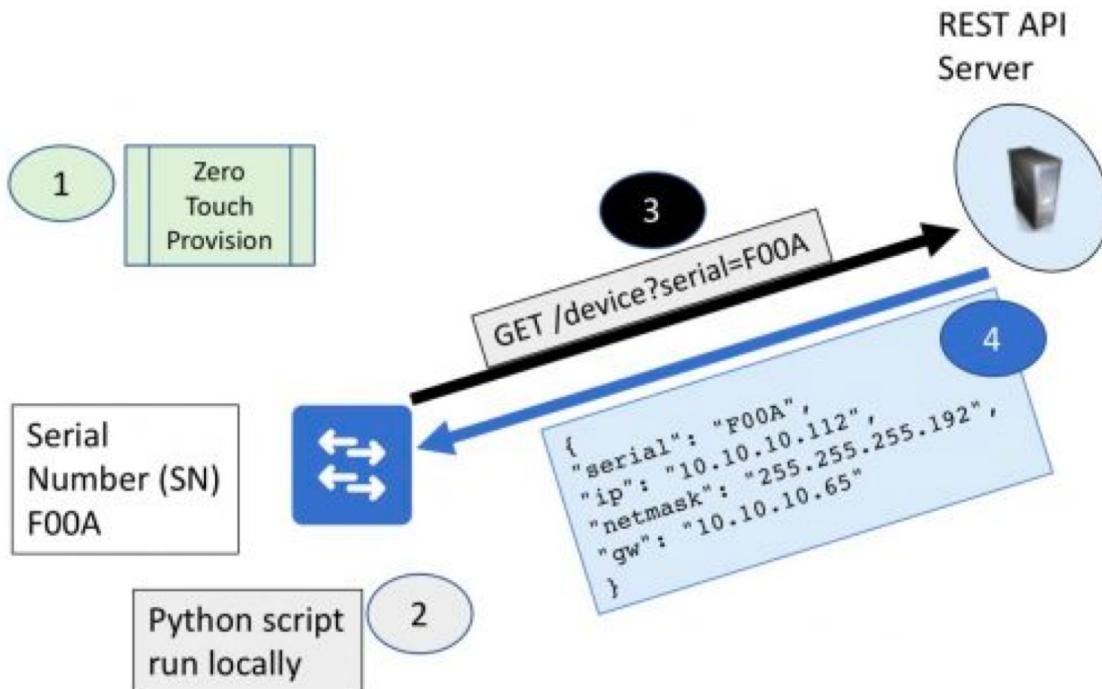
# IOS XE: Automating Network Device Lifecycle



# Day 0 Provisioning Automation

			
Boot Image Source	Network	Device	Device
Programmable Interfaces	Open	Open	Open (via DNAC)
<i>Ideal for heterogeneous / multi-vendor network environments</i>		<i>Optimized for Cisco networks (highly secure and scalable)</i>	





IP/netmask/gw used to configure the management interface on the device  
Other attributes might be passed (such as a configuration file)