

Getting Started with ZTP using IOS-XR and Cisco Crosswork

Network automation from Day 0!

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 @irakshat



<https://github.com/akshshar>

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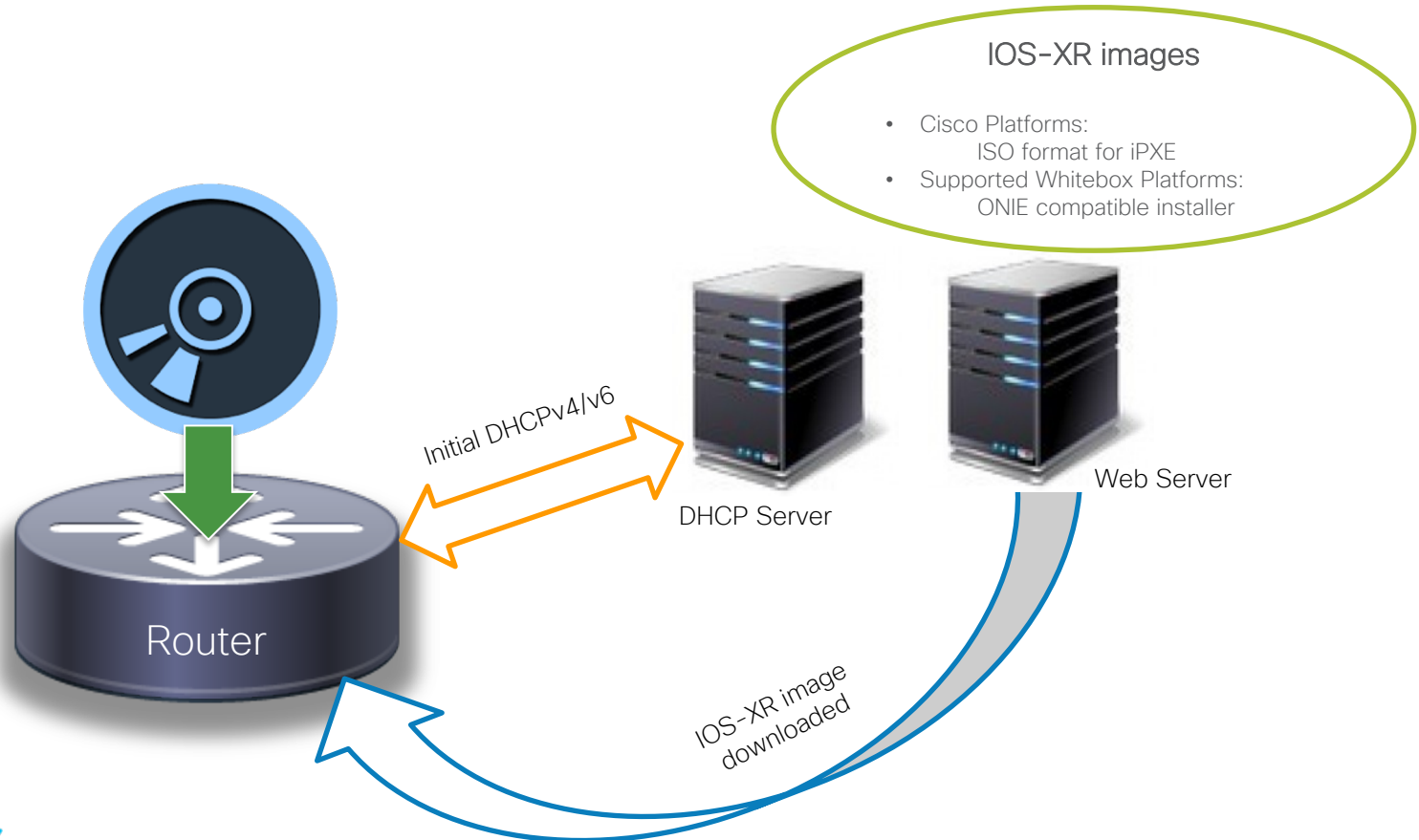


Agenda

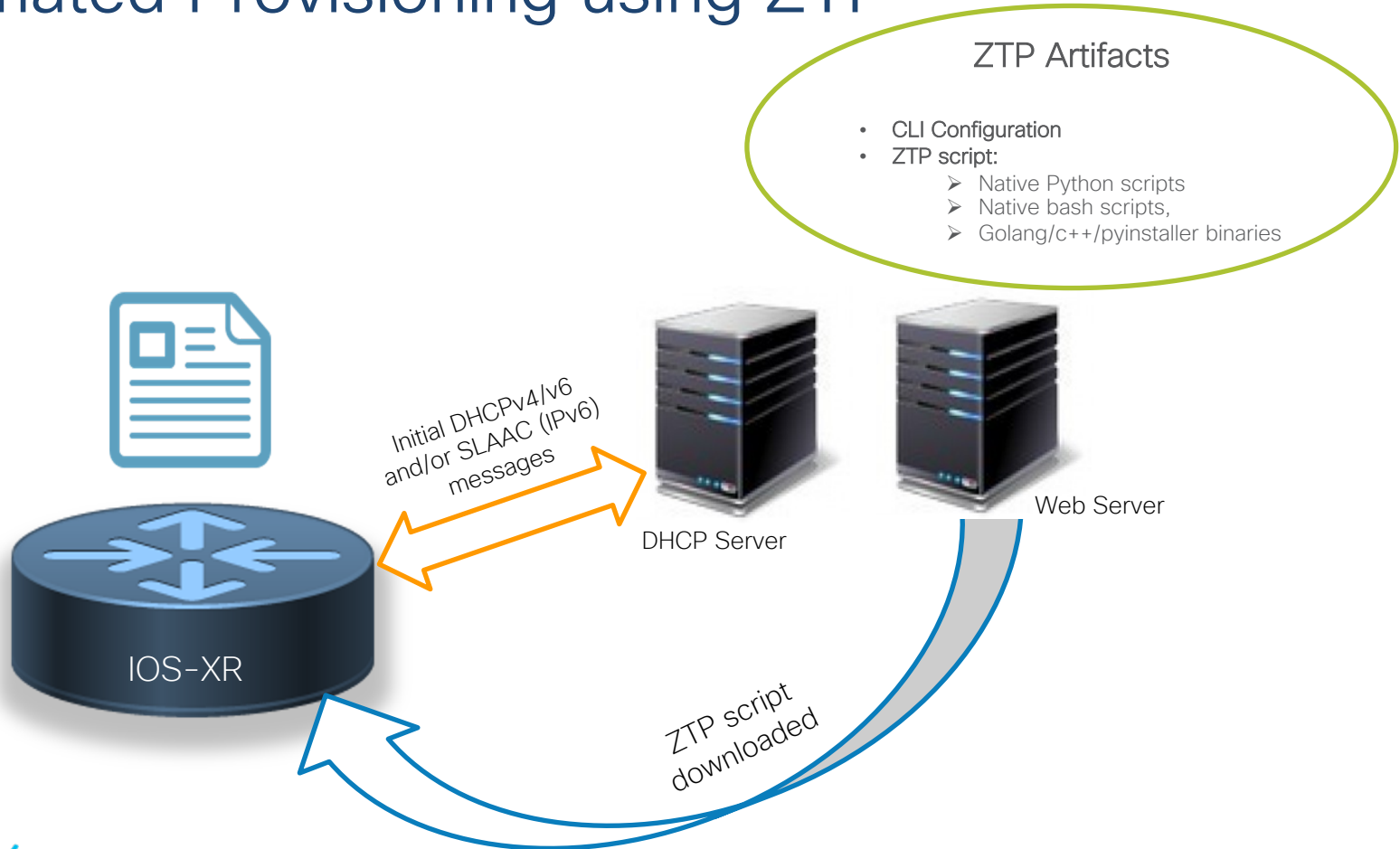
- IOS-XR ZTP Crash Course
- Introducing Cisco Crosswork
- Cisco Crosswork ZTP Server
- Demo!
- Learn More!

IOS-XR ZTP Crash Course

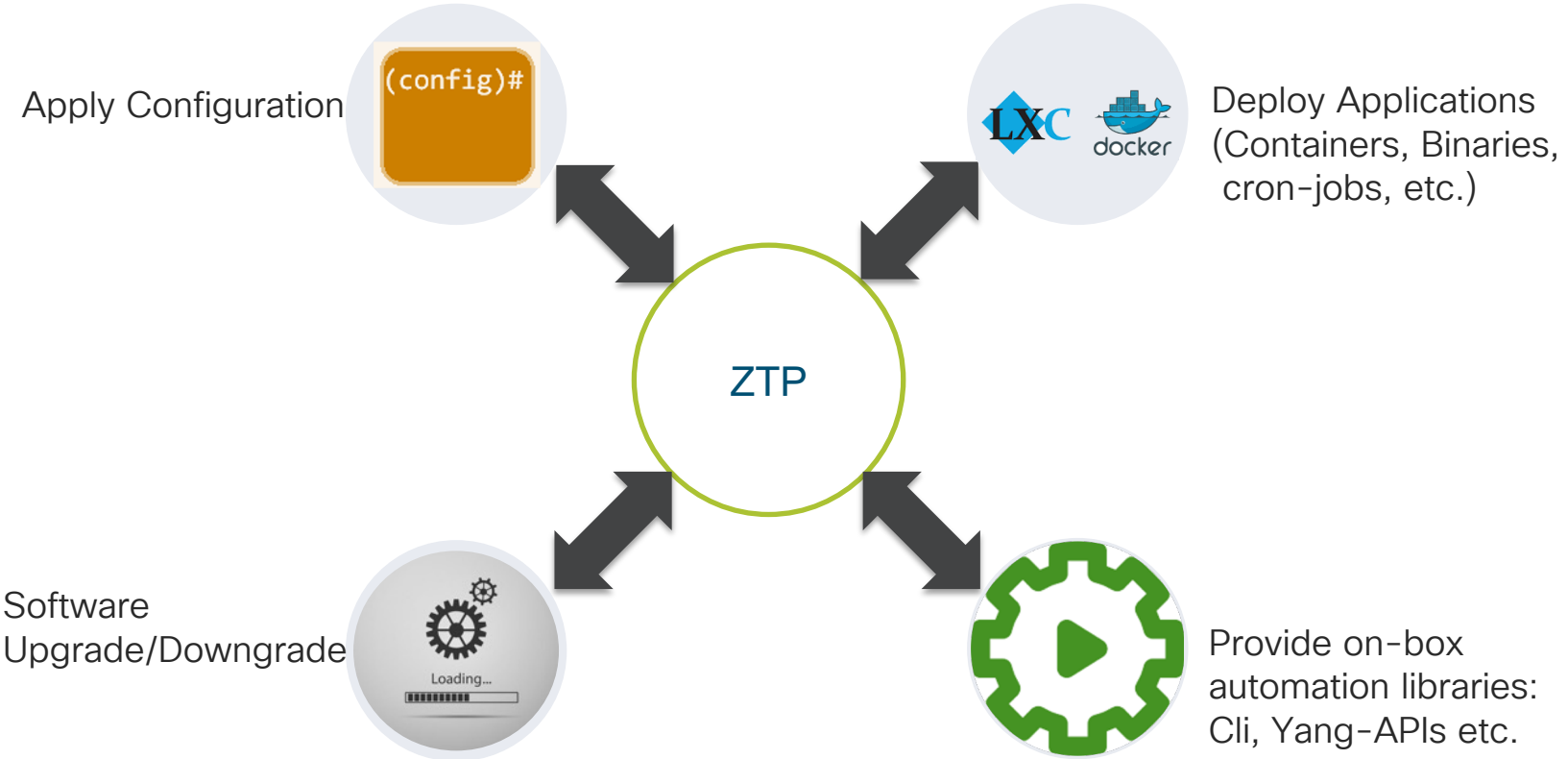
Automated Installation of IOS-XR images



Automated Provisioning using ZTP



ZTP Functions

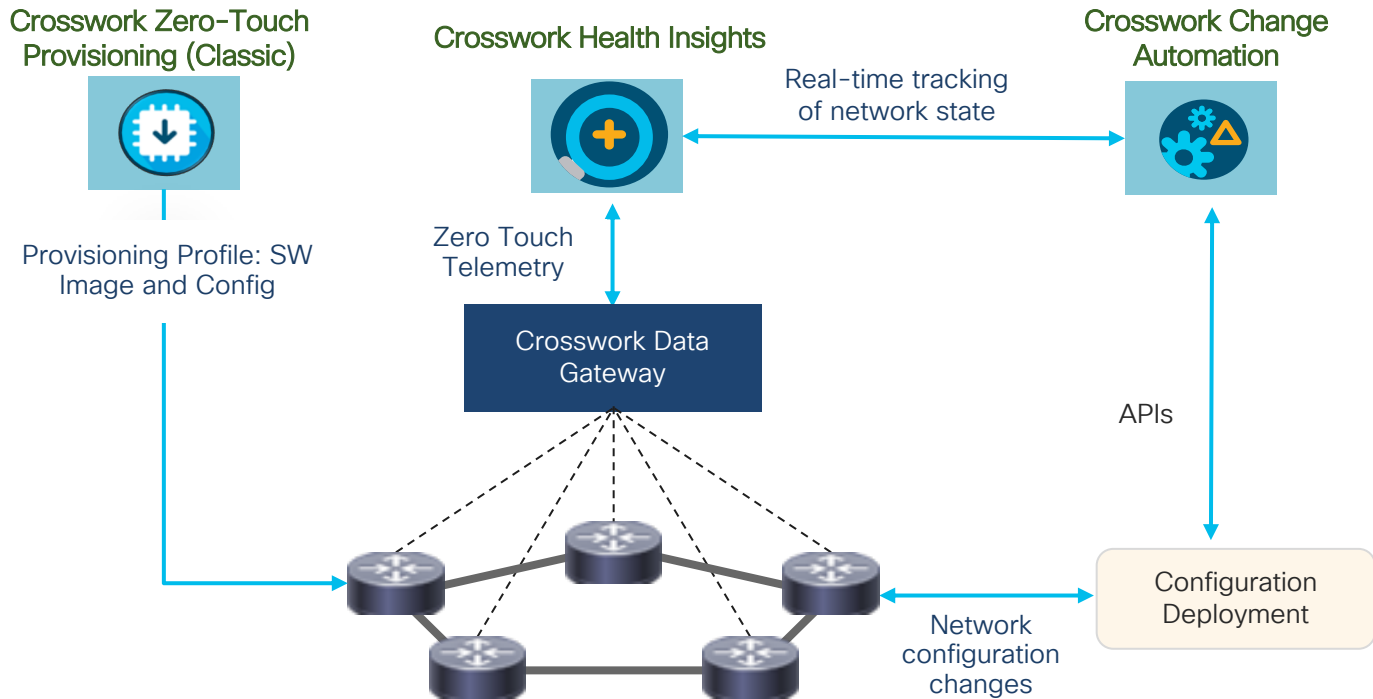




Introducing Cisco Crosswork

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Cisco Crosswork: Automation and Analytics at every stage of the Device Lifecycle

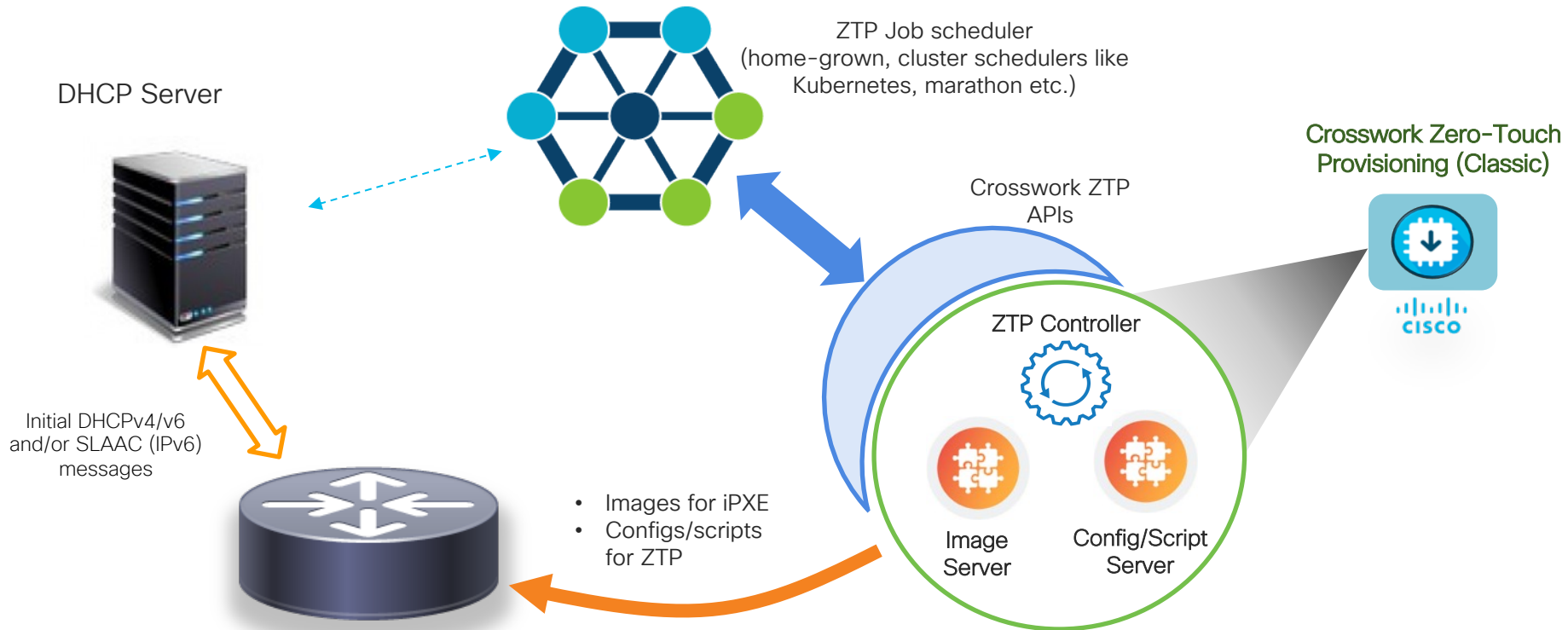




Cisco Crosswork ZTP Server

Enter Crosswork ZTP Server

Enabling dynamic scheduling of ZTP workflows



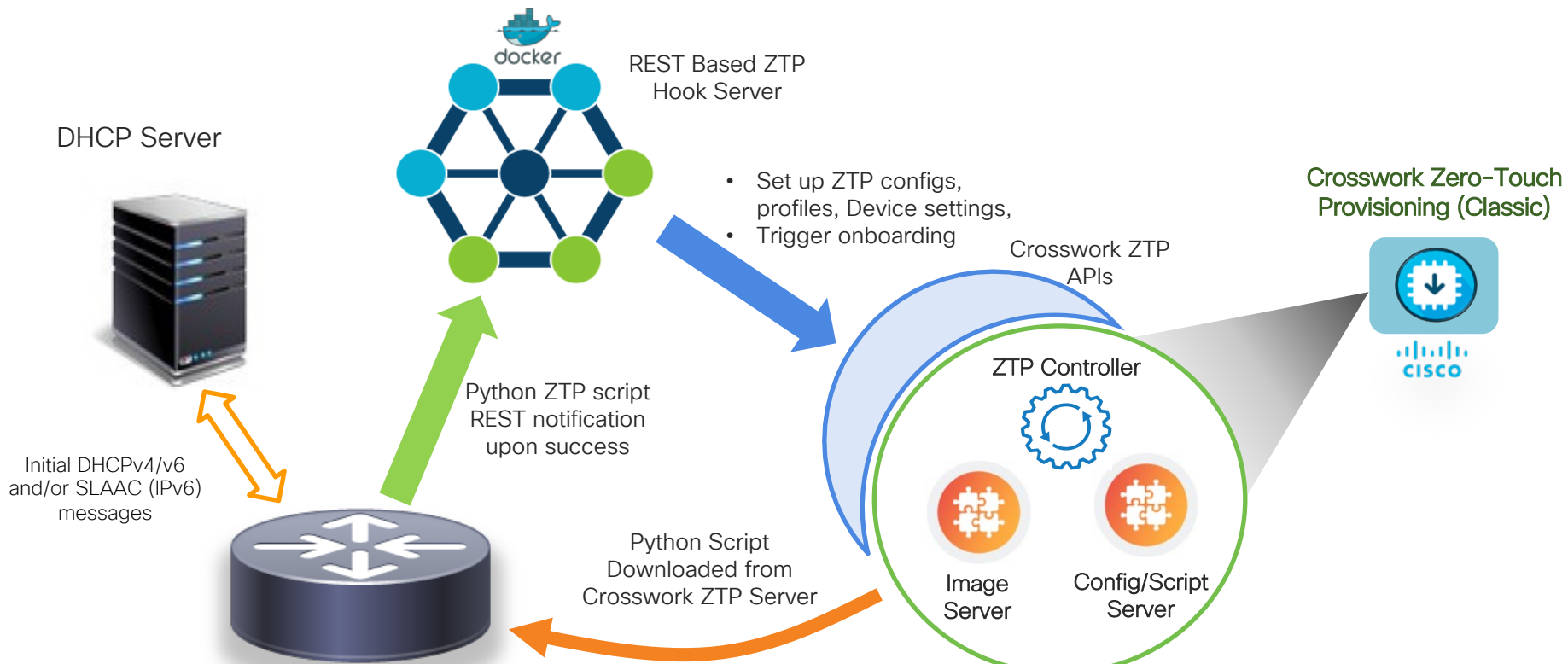


Demo!

Closed loop automation with IOS-XR
ZTP and Cisco Crosswork

Demo!

Closed loop automation with IOS-XR ZTP and Cisco Crosswork





Learn more!

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Explore More on IOS-XR ZTP

- Blogs on xrdocs:

<https://xrdocs.io/device-lifecycle/>

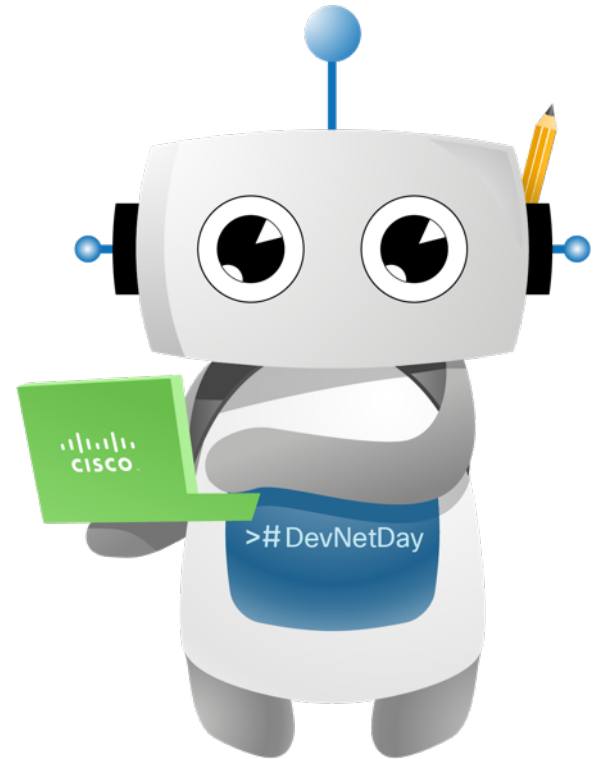
- [IOS-XR ZTP: Learning through Packet Captures](#)
- [Working with Zero Touch Provisioning](#)
- [iPXE Deep Dive](#)

- IOS-XR ZTP APIs (Bash and Python):

• [DevNet Sandbox based Learning Labs](#)

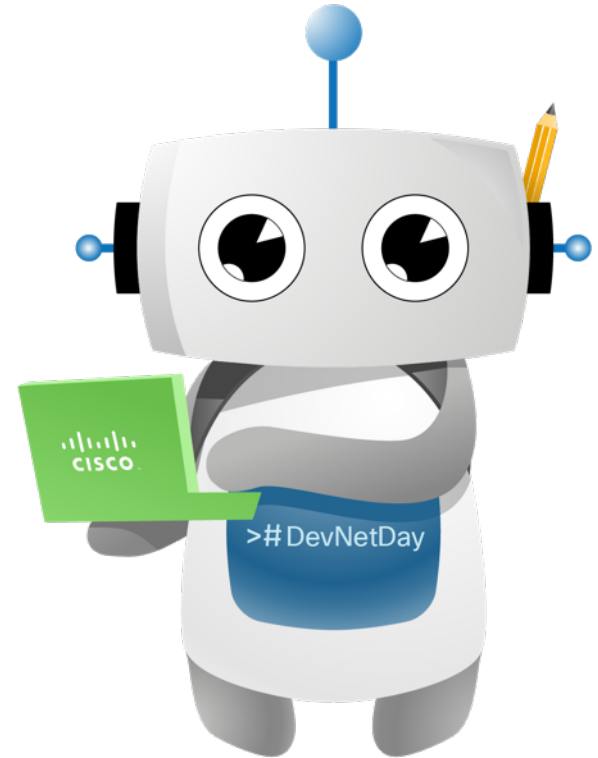
- IOS-XR ZTP on Github

- [IOS-XR ZTP Python library, sample scripts](#)
- [xr-restztp \(ZTP hook server used in the demo\)](#)



Explore More on Cisco Crosswork for ZTP

- Cisco Crosswork on Devnet
 - [Cisco Crosswork API, Getting Started and more](#)
- Postman Collection from Today's ZTP demo:
 - [Crosswork ZTP demo Postman collection](#)
- Cisco Crosswork Installation Guides:
 - <https://www.cisco.com/c/en/us/support/cloud-systems-management/crosswork-network-automation/products-installation-guides-list.html>



Thank you

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Possibilities

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