# Crosswork Qualification Environment

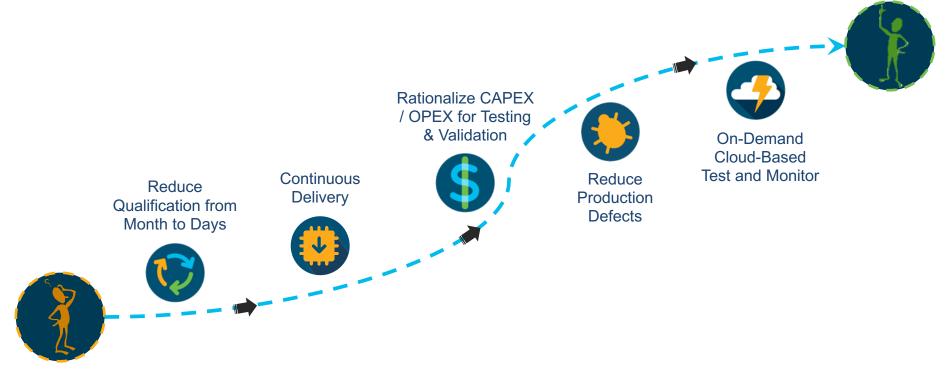
New member of CW Family

Mike Korshunov, TME
Mass-Scale Infrastructure Group (MIG)
mkorshun@cisco.com



cisco

# The Start Of The Journey





# Key Drivers Behind

## **Agility**



Select your network validation platform of choice. Choose a topology in your premise or rent one from Cisco

Outcome Faster Time to Market

33%



### Quality



Select the network application and features used in your deployment or simply upload your router config to CQE

Outcome Better Quality







CQE automatically builds a CD pipeline for your deployment. Start the pipeline and get the deployment score in few hours!

Outcome Reduce Certification Costs

35%

10k+

Test-cases available

35+

Automation Packages

6

IOS-XR Platforms Supported 500+

Daily Active Test Runs 60%+

One-click Test Coverage 500+

Active Engineers
Adopted



# CQE Deployment

**CISCO INFRA** Cisco Premises





**DDTS DB** 





Libs



**Engine** Internet









Share internal test results with CQE Cloud Reserve & execute tests on cisco cloud Upload test-results on CQE Cloud

COE CLOUD Cloud Hosted

WEB PORTAL **CUSTOM UI** 





**ANALYTICS ENGINE** 

Internet

COE CLOUD CONNECT **Customer Premises** 





**EXECUTION ENGINE** 

**VENDOR** 

LIBRARIES



CONNECTION **MANAGER** 

**INFRA** 



**AUTOMATION PACKAGES** 



**OPEN SRC PYTHON** 

Customer Testhed

Get CQE Updates Get Execution Instructions from CQE Cloud:

Upload Test-Results on to Cloud **Upload Deployment Details** View results of Local & Cloud Test-Runs

View XR Product Health Status Give Commands for local & cloud test-runs

View predictive RCA for failures



# CQE Building Blocks



### **Automation Packages**

Focus on faster deployment and insertion by leveraging existing suites on current and next-gen Platforms



### **Qualification Kit**

If CQE's pre-loaded Automation Packages don't fit the bill, build your own testcases with CQE's powerful Python automation framework. CQE KIT is built to handle the whole test automation lifecycle, with libraries for device connection, traffic generator handling, features, logging, reporting, and more.



### **Smart Debug**

CQE Smarts stimulates faster failure analysis of Automation Package runs, provides insights into all devices events, finds bugs for you and more. It has you covered.



# Demo cisco live!

# Want to Learn More?

- Check our site: <a href="https://cqe.cisco.com/">https://cqe.cisco.com/</a>
- Drop a note to your AT team if you interested.
- DevNet Classroom session: DGTL-DEVNET-1773
- CLUS PSO session, coming later: DGTL-PSOSPG-1013
- CQE Datasheet
- Eager to get a Trial? Drop a note: Bhavna <a href="mailto:bhavnpra@cisco.com">bhavnpra@cisco.com</a> & Mike <a href="mailto:mkorshun@cisco.com">mkorshun@cisco.com</a>





cisco live!

cisco

#CiscoLive





#CiscoLive