

onUG | alkira

Harnessing Infrastructure as Code

To Deliver Elastic Networks of the Future



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Design *Requirements*

1.

Each cloud gets a **DEV**, **TEST**, **STAGE**, and **PROD** network. Azure gets an additional **MIGRATION** network for app migrations from on-premises

2.

DEV, **TEST**, and **STAGE** can communicate with each other inside and across clouds. **PROD** can communicate with other **PROD** networks inside and across clouds with no reachability to **DEV**, **TEST**, and **STAGE**

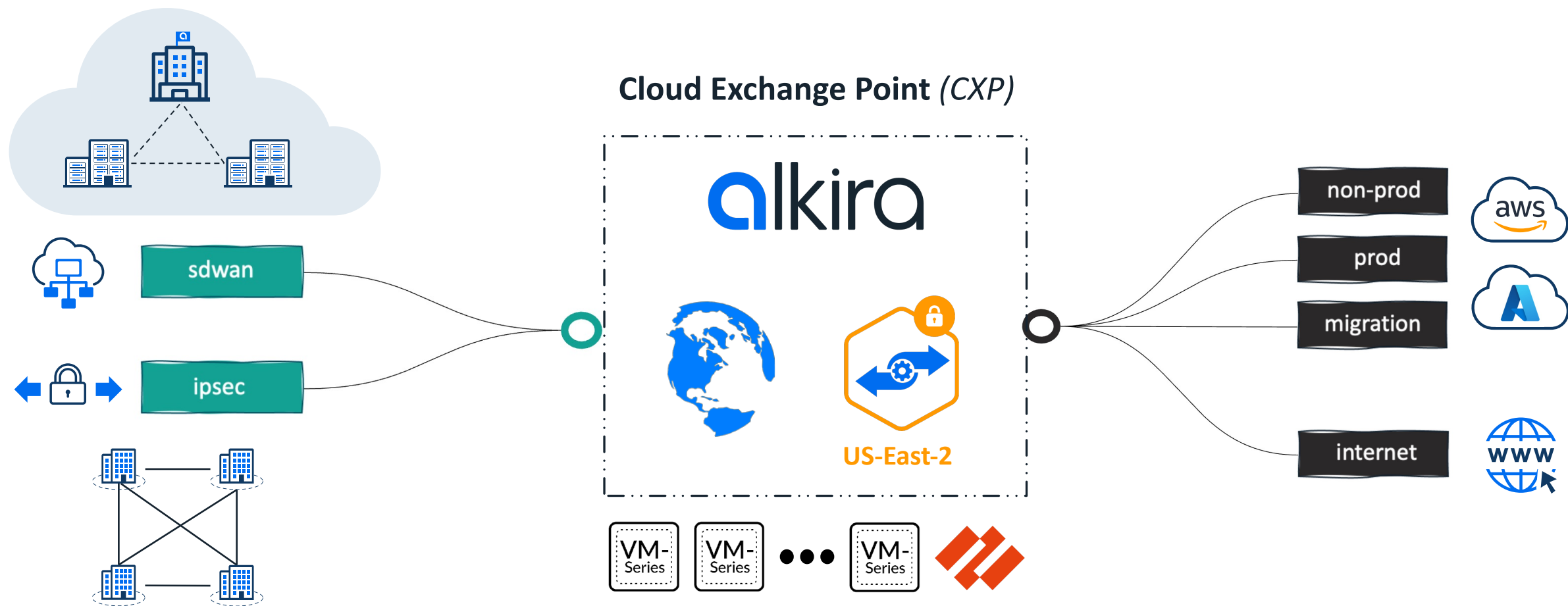
3.

MIGRATION landing zone in Azure should only be reachable via on-premises networks connected over SD-WAN mesh (where workloads are being migrated from)

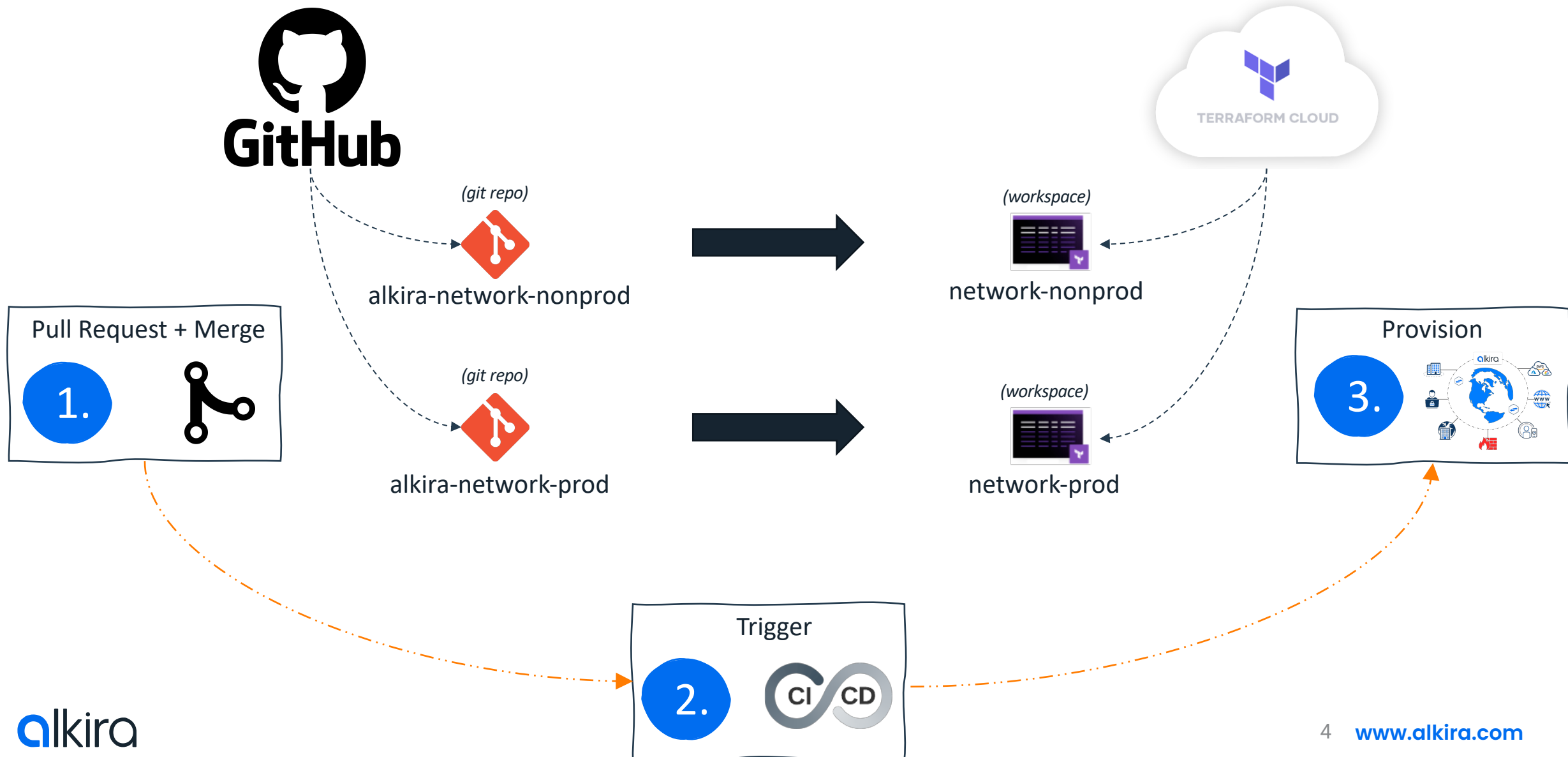
4.

DEV, **TEST**, and **STAGE** can access internet directly while **PROD**, **MIGRATION**, **SDWAN**, and **IPSEC** networks must transit via Palo Alto VM-Series Firewalls in Alkira

Network Topology



Workflow



Slides

<https://github.com/wcollins/onug-fall-2021>

Demo

<https://success.alkira.com/thirty-minute-challenge.html>

Thank You!

