



# Possibilities

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# Cisco SD-Access

Scaling the fabric to multiple sites

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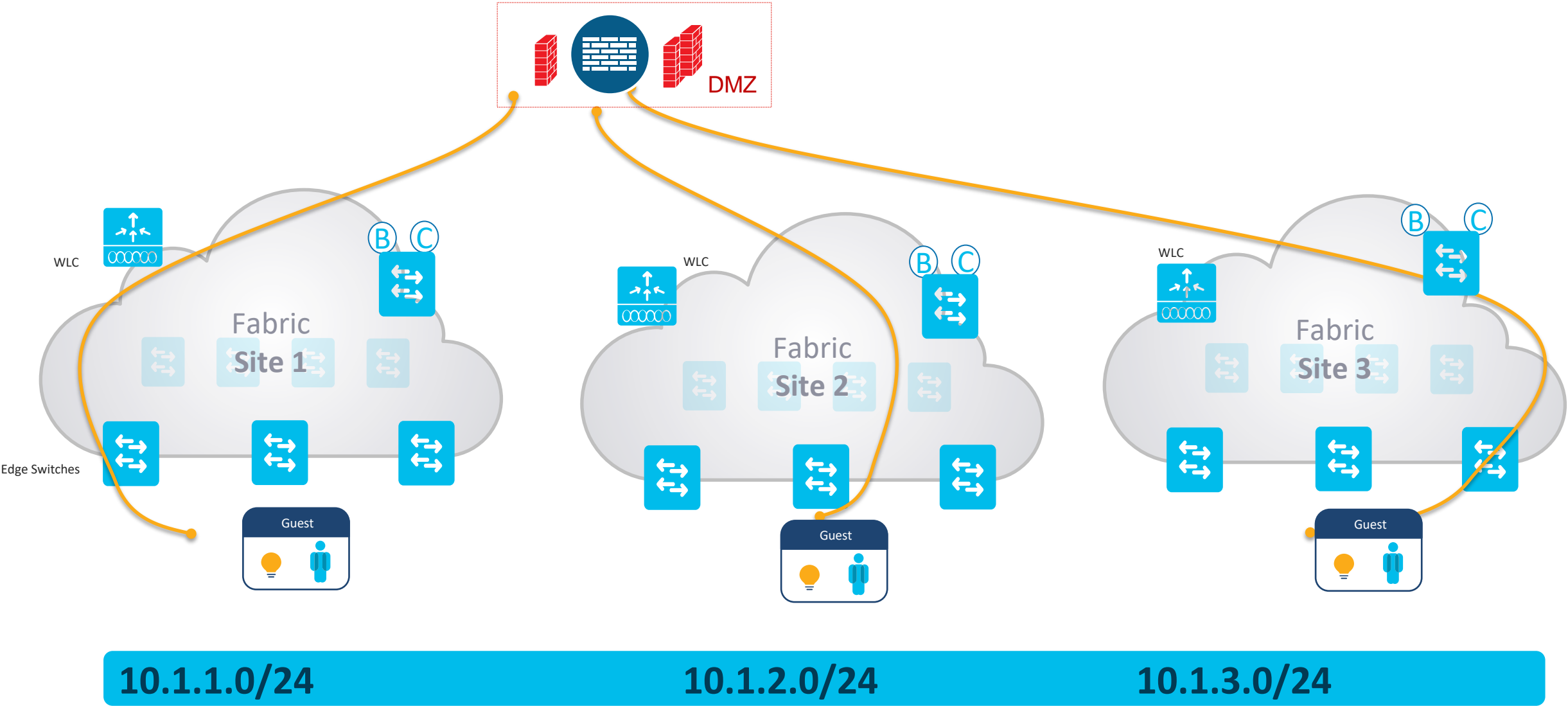
# The Guest Problem



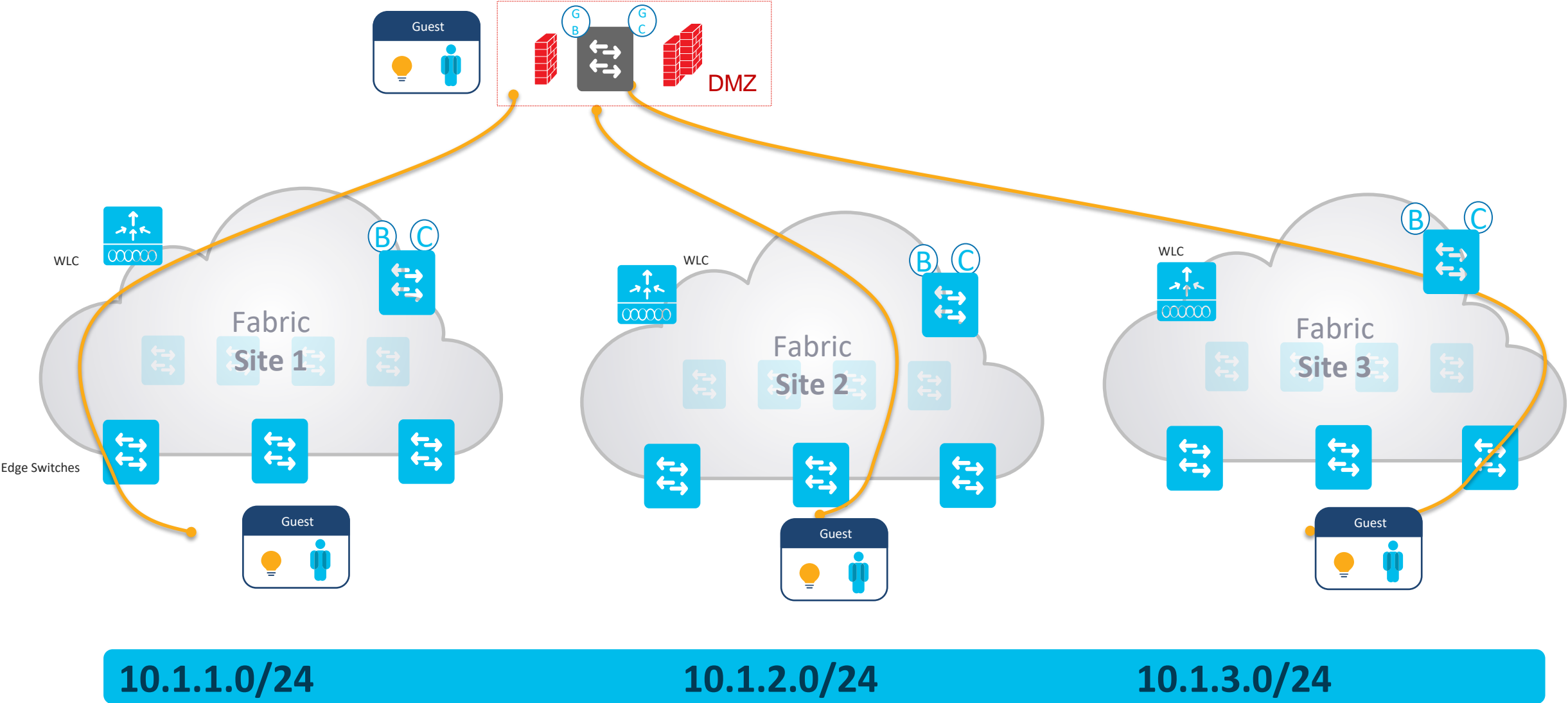




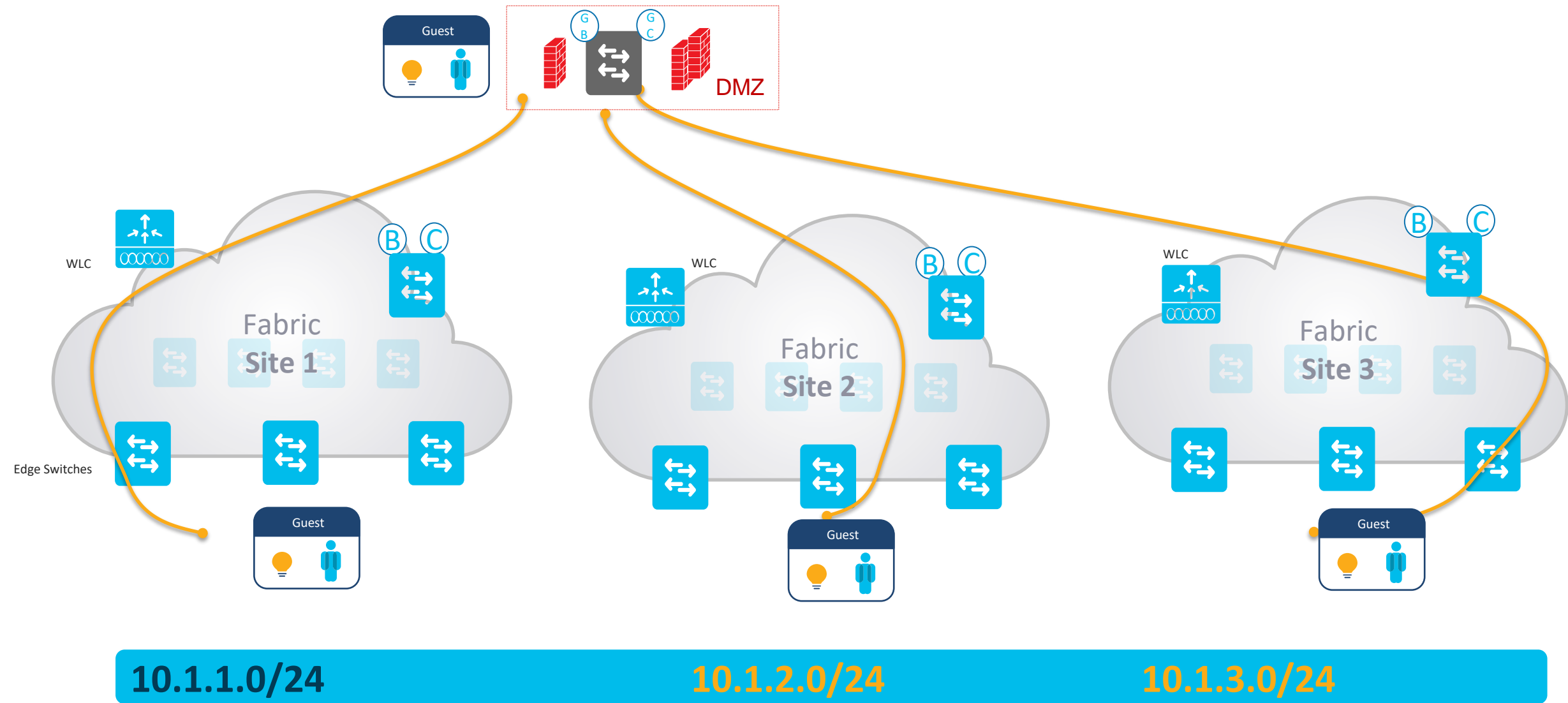
# Cisco SD-Access – Current deployment



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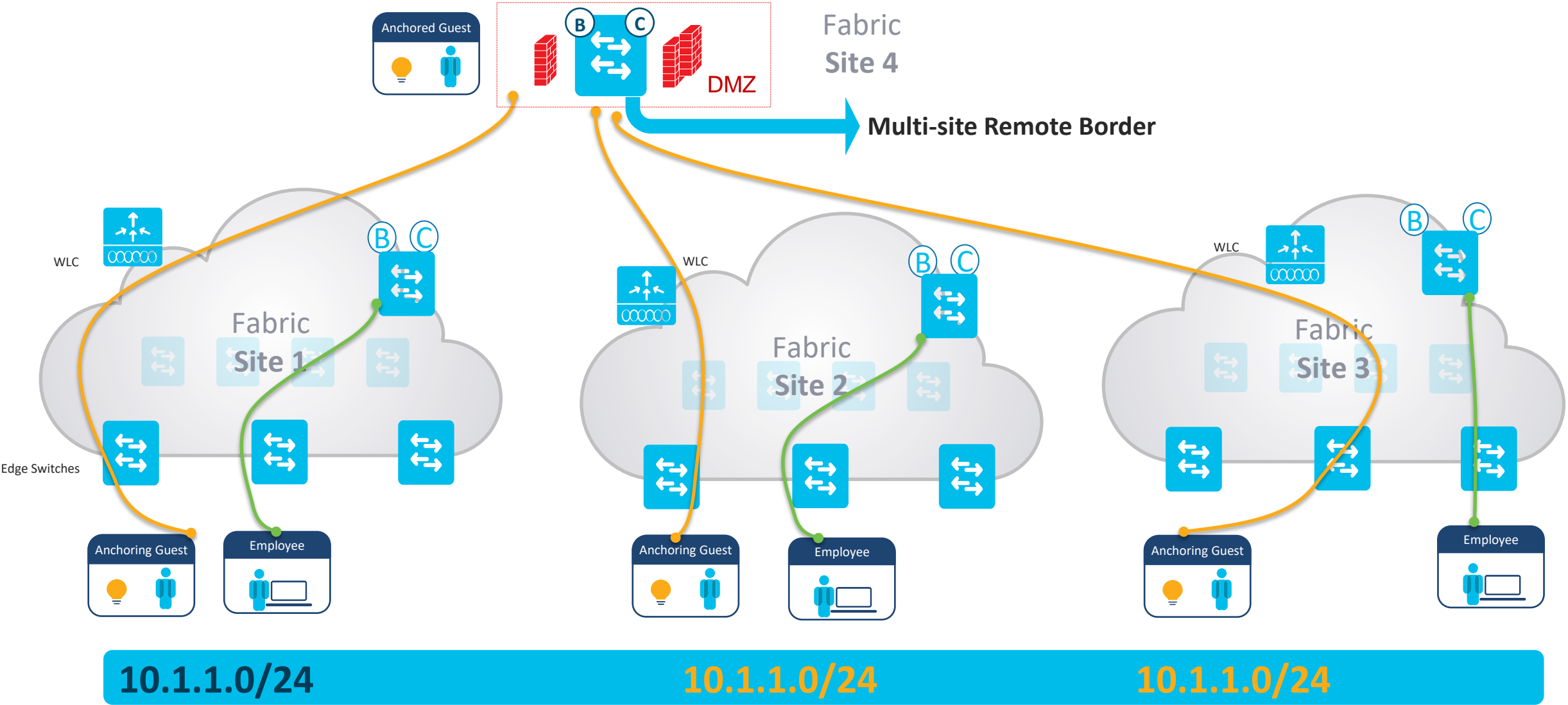
# Cisco SD-Access – Current deployment







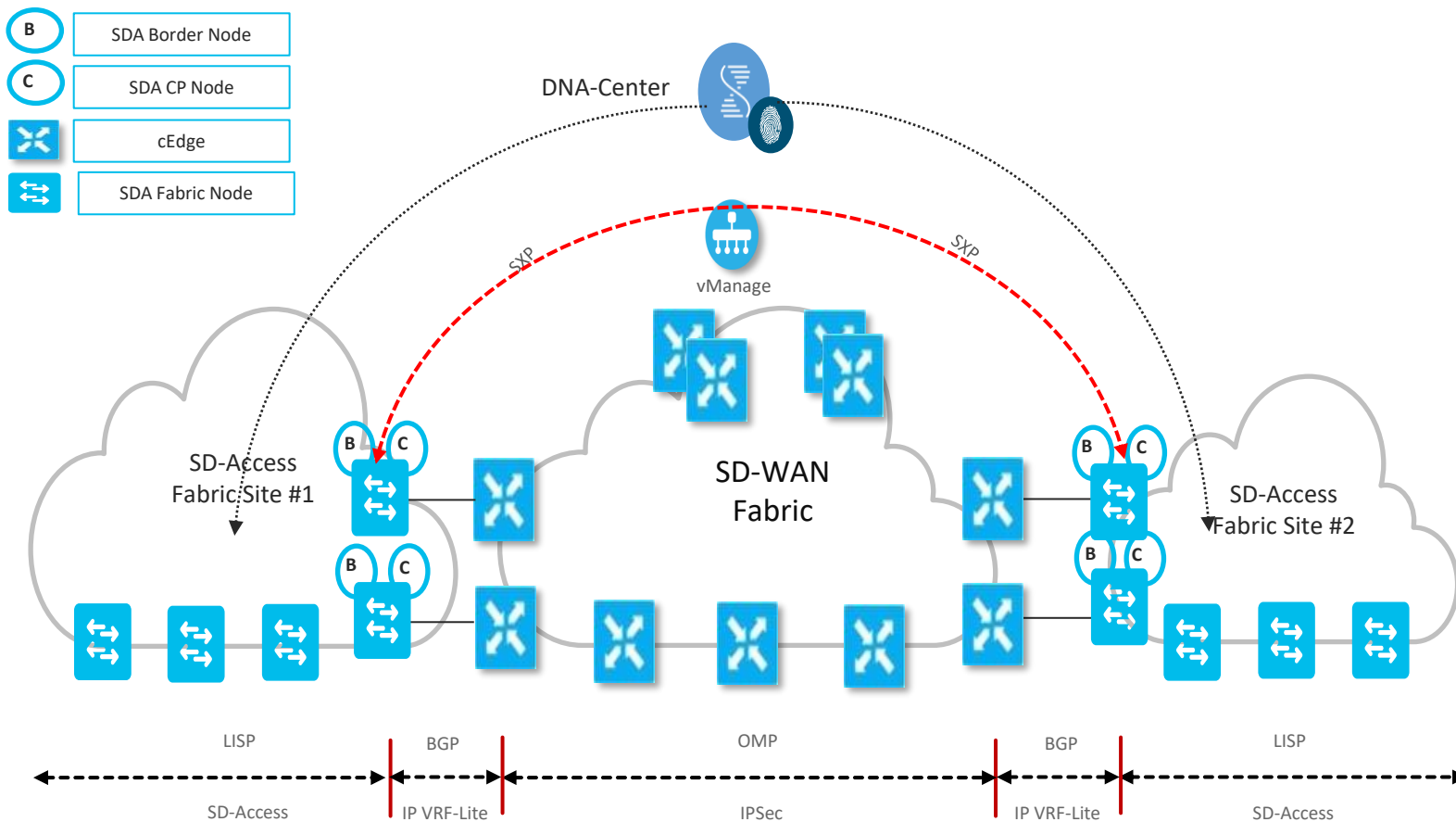
# Cisco SD-Access



# High Level Design for a Cisco SD- Access across Geographies



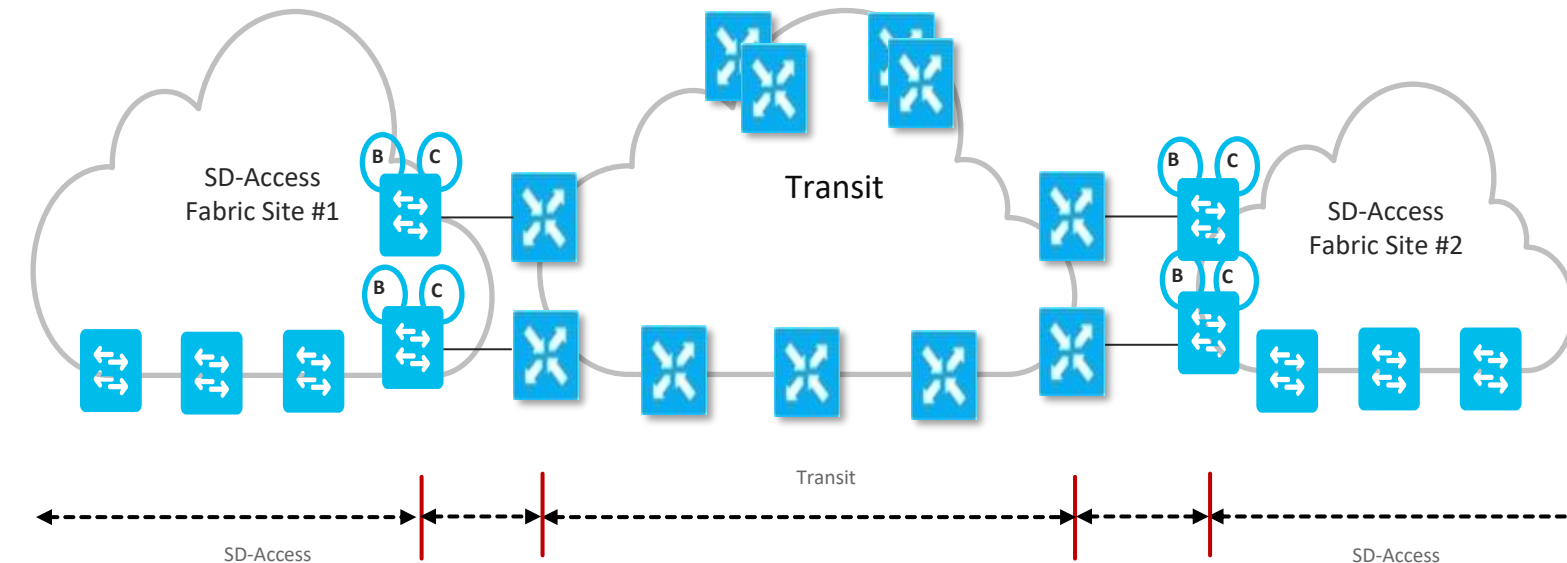
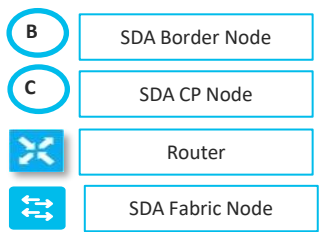
# Cisco SD-Access/Cisco SD-WAN



## Current deployments

- Cisco DNA Center automates Cisco SD-Access Sites
- Cisco SD-Access Border hands off to cEdge using IP Transit
- Manual handoff between Cisco SD-Access Border and cEdge
- Challenge with SGT propagation using SXP.

# Cisco SD-Access Deployments



## Current deployments- Alternatives

- DMVPN
  - Manual Mapping & Routing of VN.
  - Macro/Micro segmentation works.
  - TCP Adjust MSS
- Cisco SD-Access Transit
  - DNAC provides automation.
  - SGTs and VNs are preserved.
  - MTU consideration.
  - TCP Adjust MSS.



# Integrated Domain approach

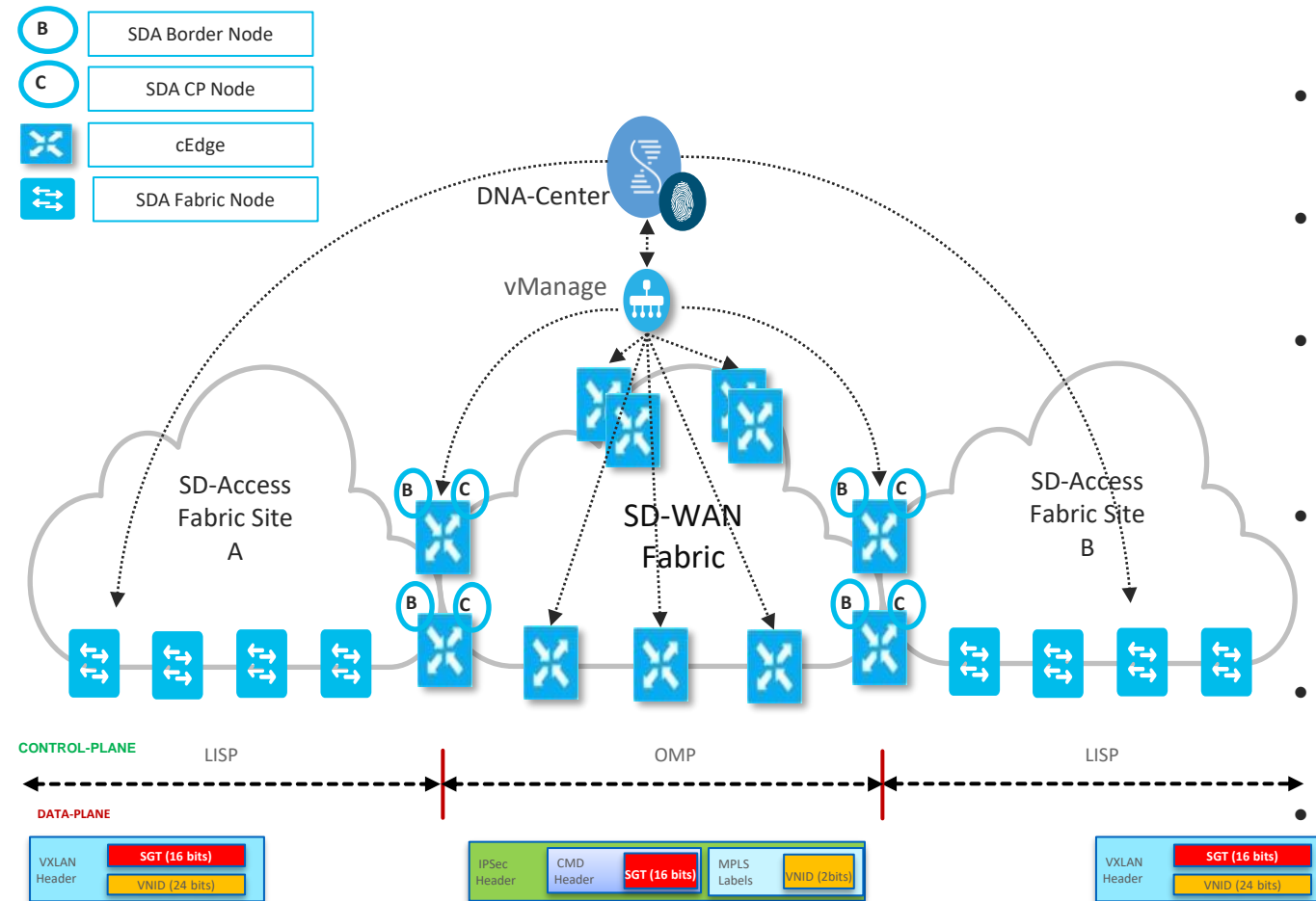
Domain Controller Integration

# Independent Domain approach

# Cisco SD-Access/Cisco SD-WAN

## Integrated Domain

What is integrated?



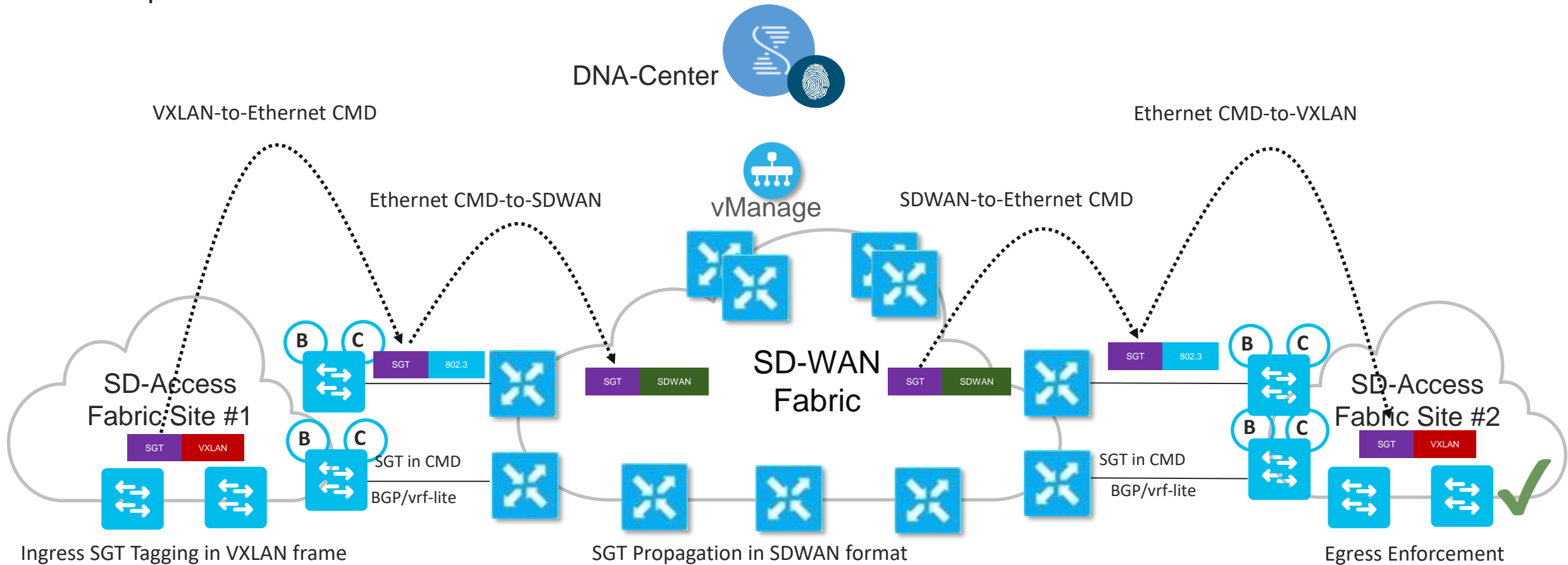
- Cisco DNAC and vManage controller Integrate
- Deployment flexibility for lean branch.
- Co-located Cisco SD-Access Border, CP and SD-WAN Edge on Single ISR/ASR (cEdge) device.
- DNAC configures Cisco SD-Access border node via vManage.
- LISP-OMP route redistribution on control path.
- VN/SGT carried over SDWAN transit





# Cisco SD-Access/Cisco SD-WAN

Independent Domain



- SGT micro-segmentation in Cisco SD-Access fabric can be extended to SDWAN.
- This is to propagate SGT in Cisco SD-WAN Metadata



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# What next ?

- Prepare your designs for Cisco SD-Access Fabrics.
- Reach out to us for any questions.
- Run through the Cisco Live Session Videos.
- Have Fun doing all the above.



Thank you



# Possibilities

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