



# TURN IT UP

CISCO *Live!*

#CiscoLive



The bridge to possible

# DevNet: Manage Your Kubernetes Application SD-WAN Traffic the Cloud-Native Way



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# Agenda

- Kubernetes and SD-WAN
- Cloud Native SD-WAN
- CN-WAN in action!

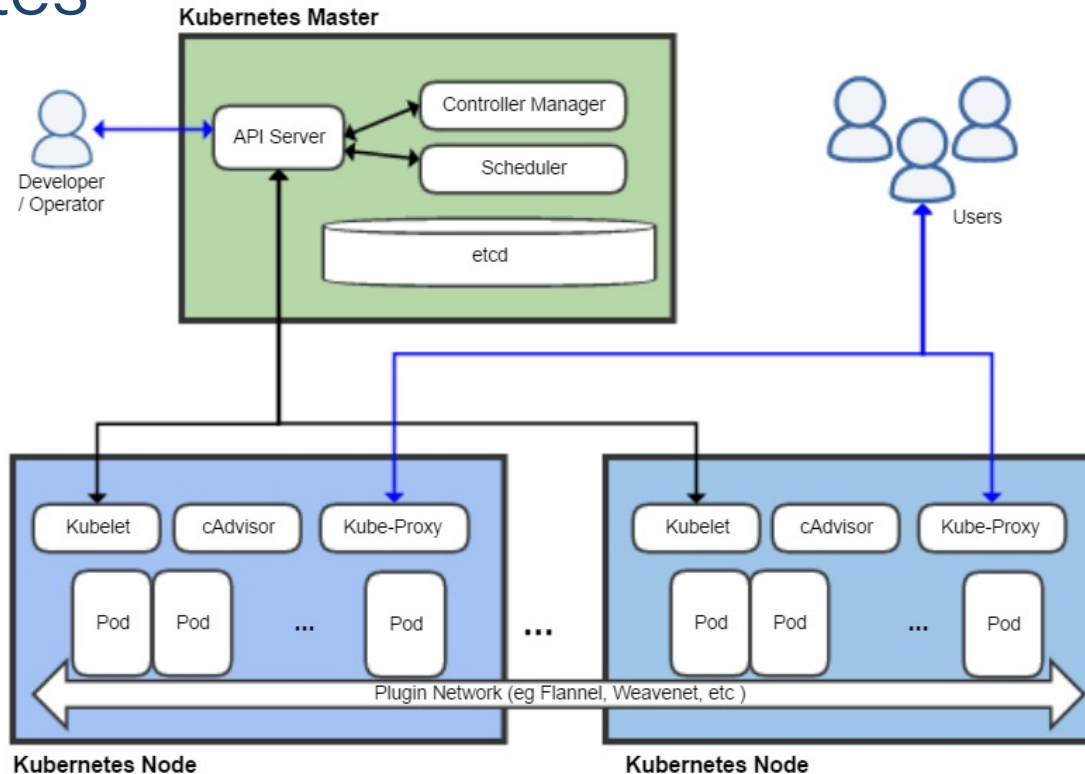


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# Kubernetes



# SD-WAN (Software Defined Wide Area Network)

Any Deployment



On-premise | Cloud | Multi-tenant  
Automation | Network Insights | Machine Learning | AI  
Open | Programmable | Scalable

Any Service



Multicloud  
Optimization



Multi-Layer  
Security



Analytics



Voice



Multi-Domain  
IBN Policy

Any Transport



Satellite



Internet



MPLS



5G/ LTE



SDCI\*

Any Location



Branch



Colocation



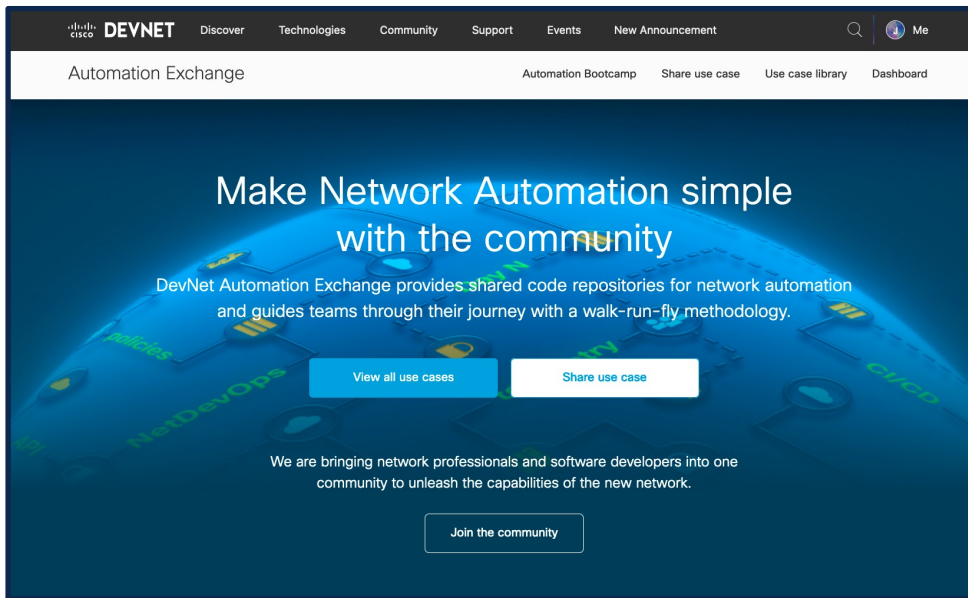
Cloud



Remote Work

\* Software Defined Cloud Interconnect

# Automation Exchange



Start your network automation journey with DevNet!



**Walk**  
Get visibility and insights into your network



**Run**  
Activate policy and intent across different network domains



**Fly**  
Proactively manage applications, users, devices with DevOps workflow

Find my code at:





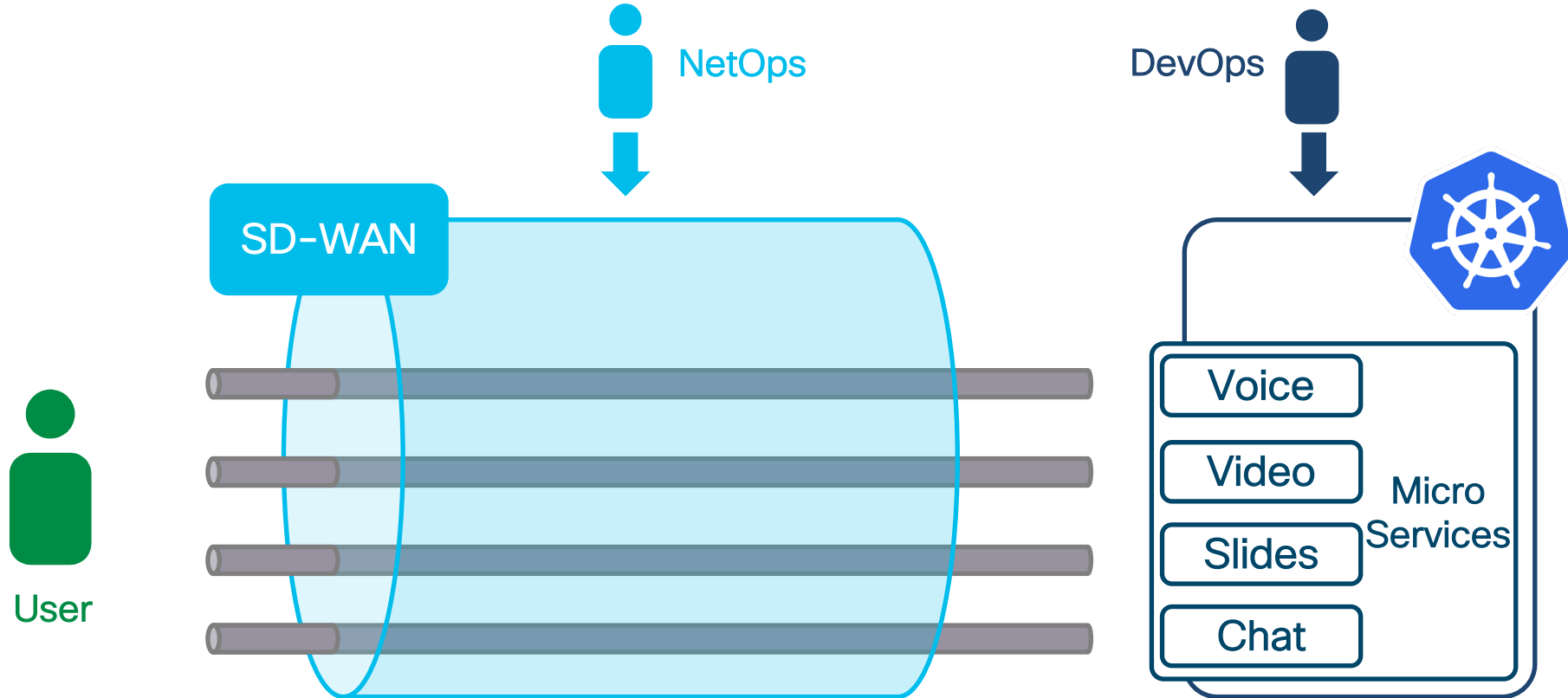
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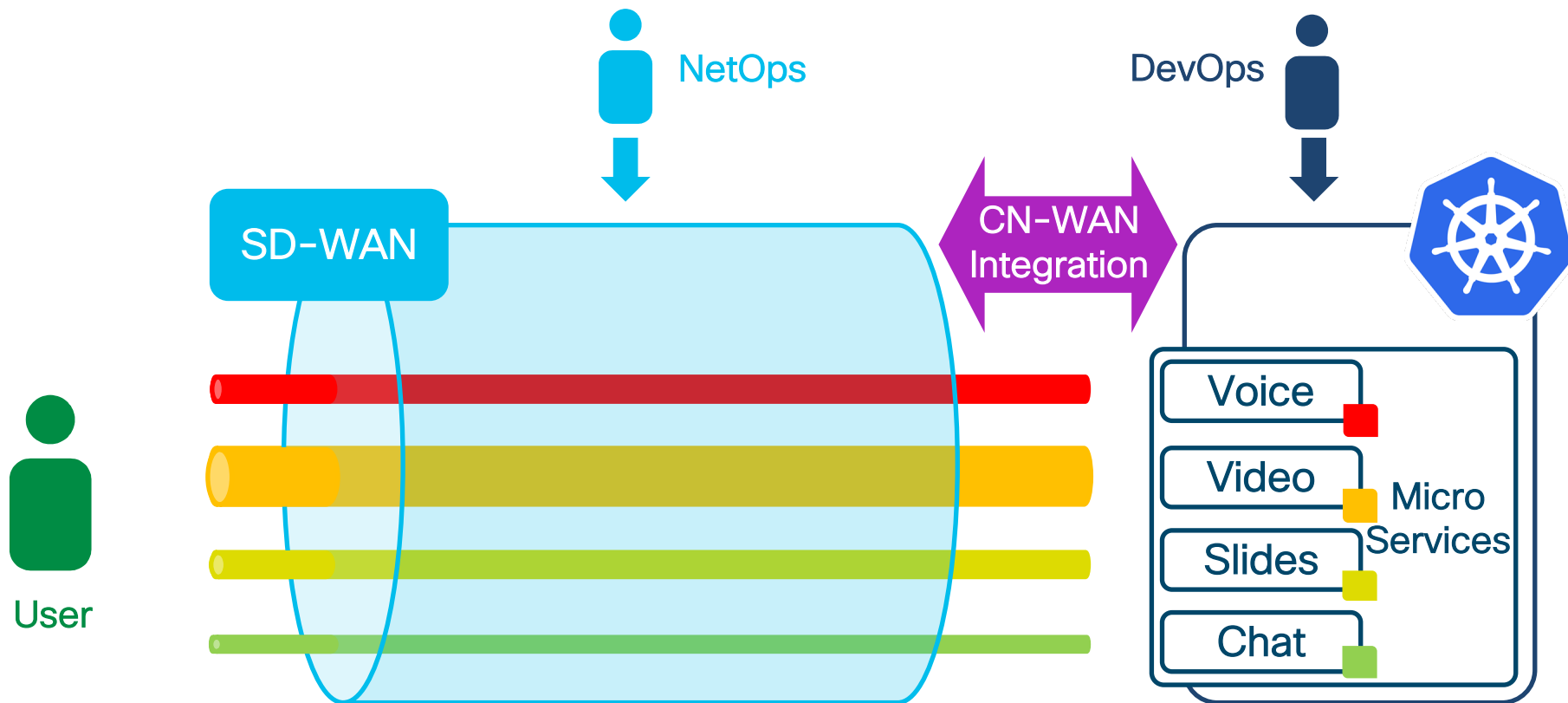




# SD-WAN and Kubernetes Today: Ships in the Night



# CN-WAN: Making SD-WAN Kubernetes Aware



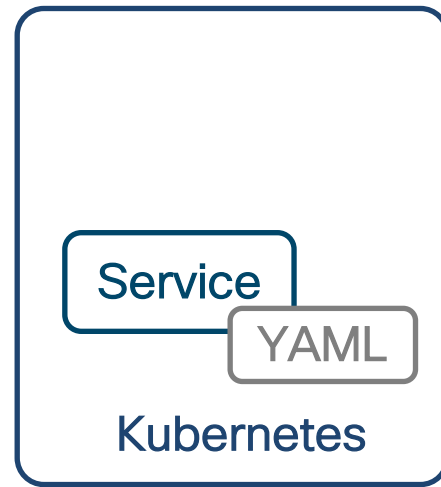
# CN-WAN: Behind the Scenes



SD-WAN Controller

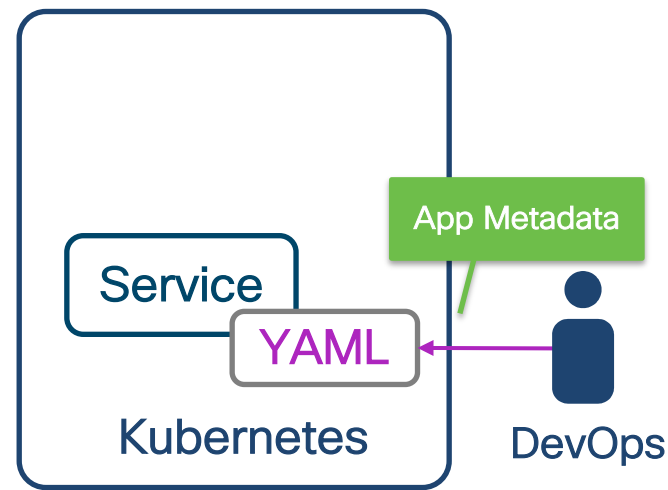
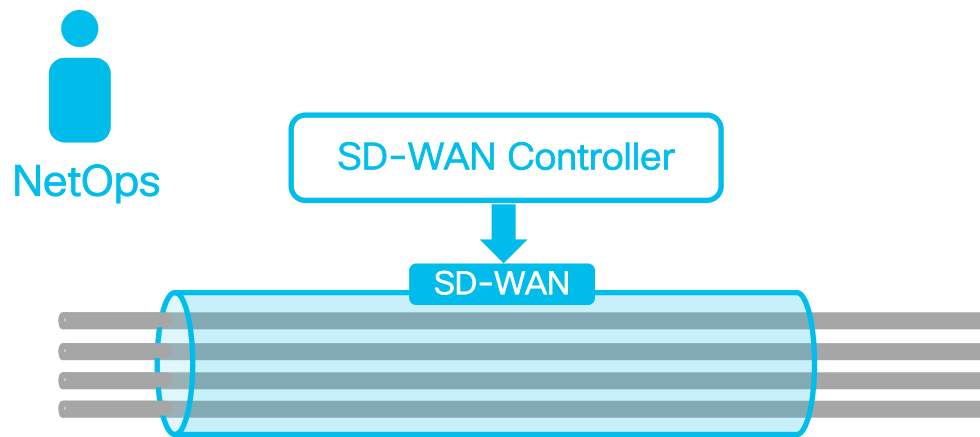


SD-WAN



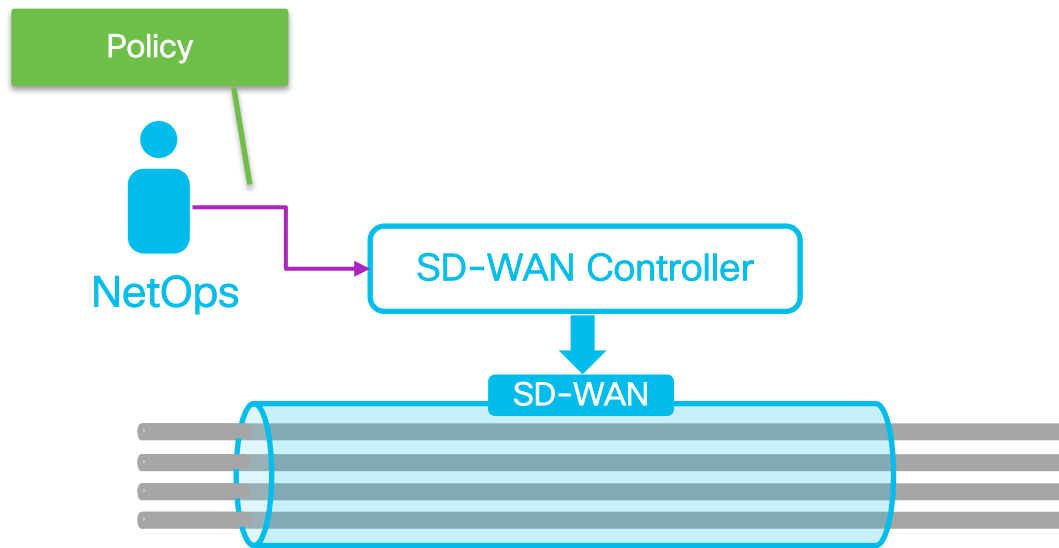
# CN-WAN: Behind the Scenes

“Service A generates video traffic”

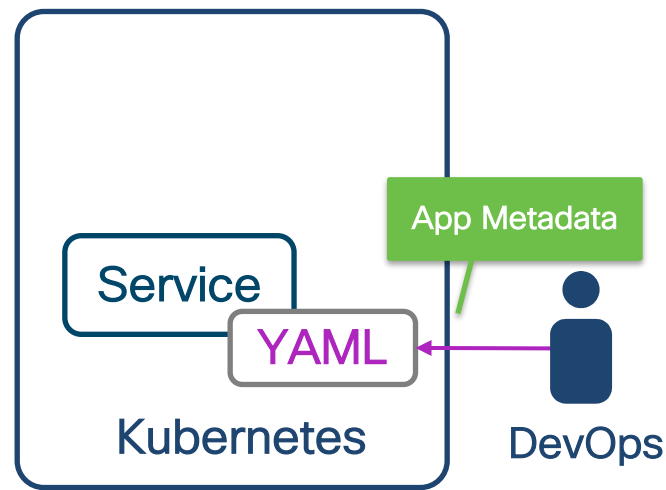


# CN-WAN: Behind the Scenes

“Use a tunnel with high bandwidth”



“Service A generates video traffic”

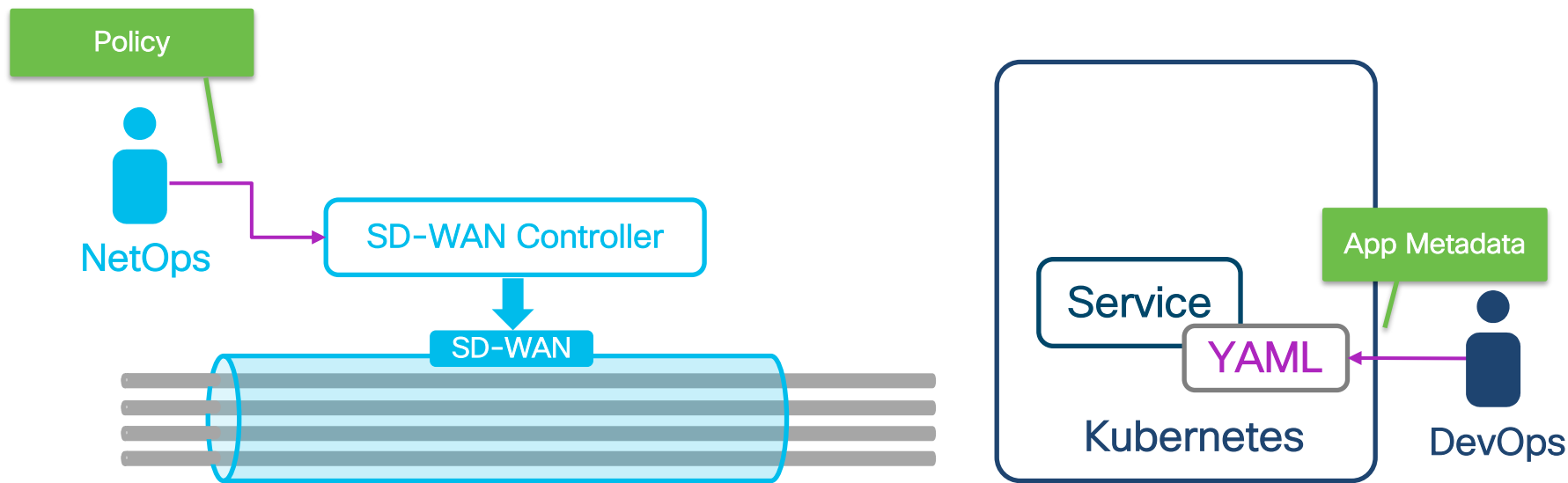


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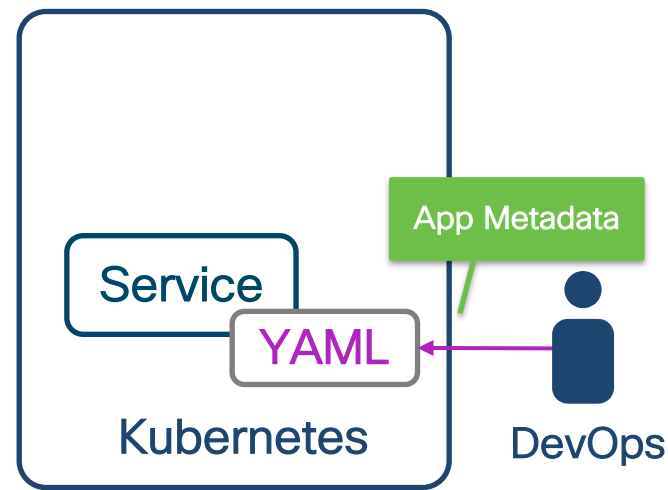
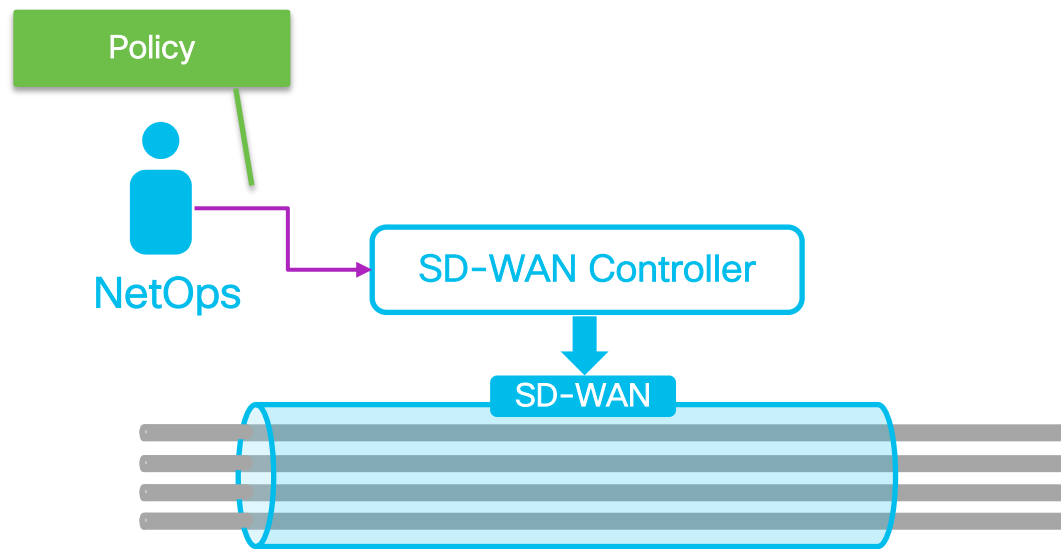
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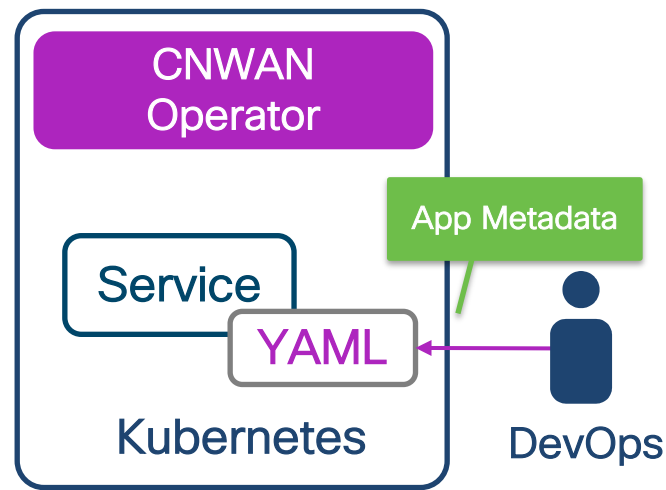
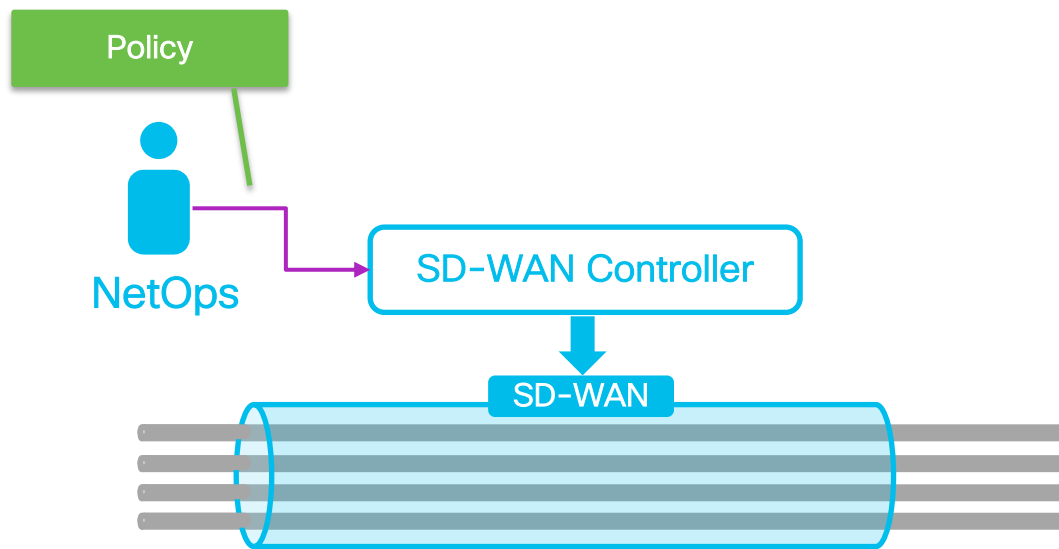
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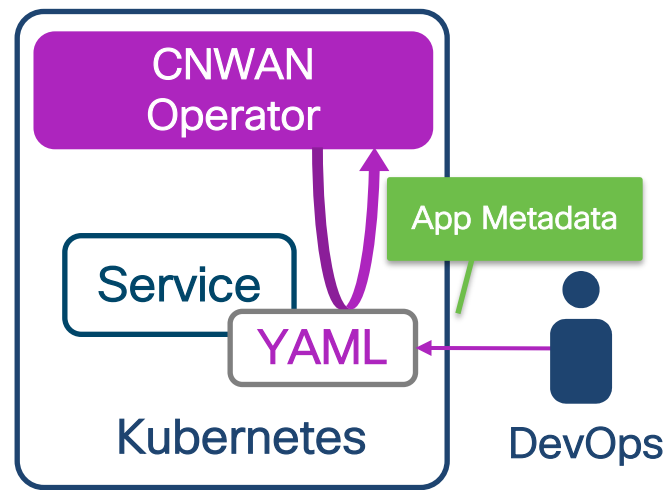
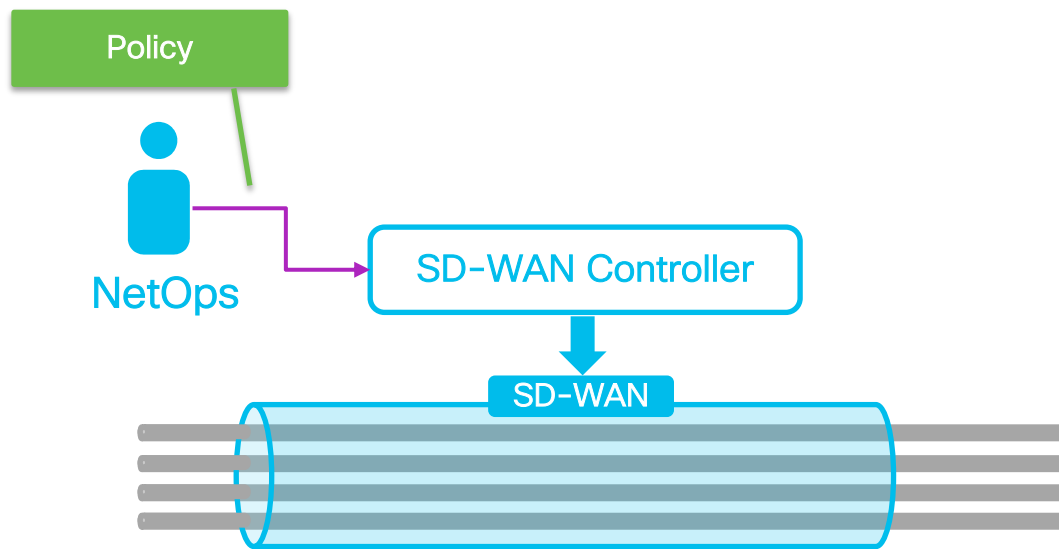


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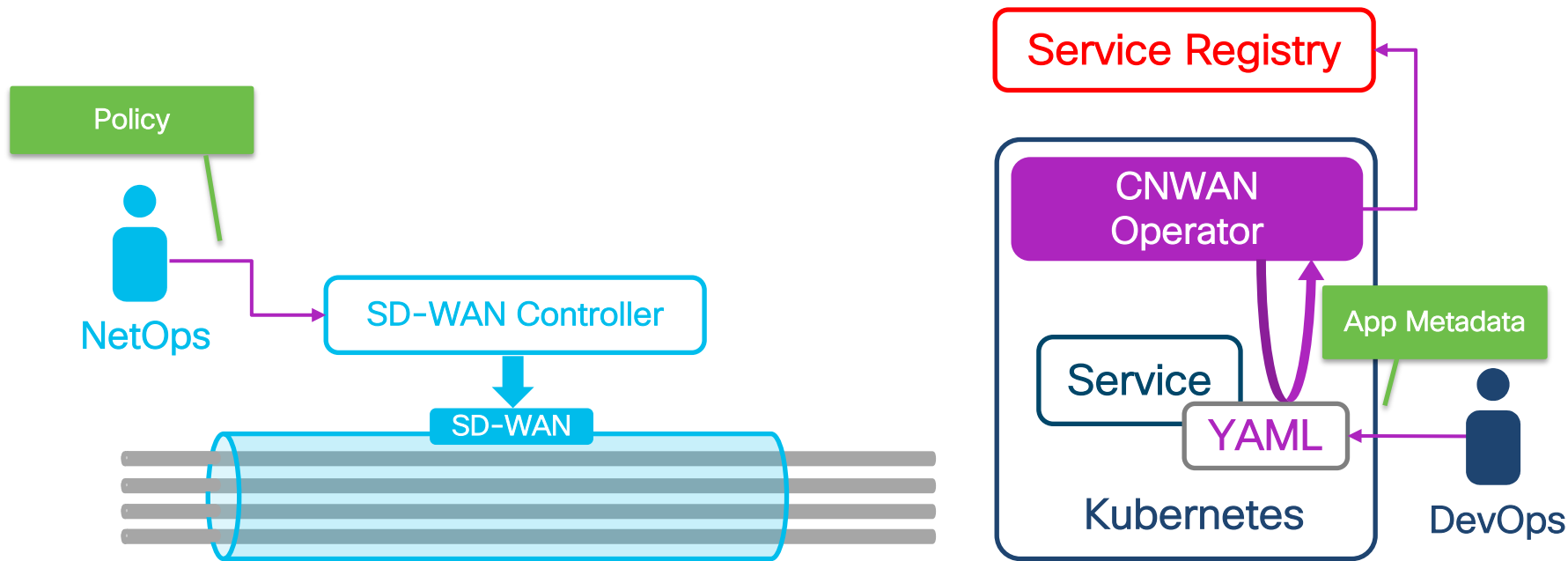




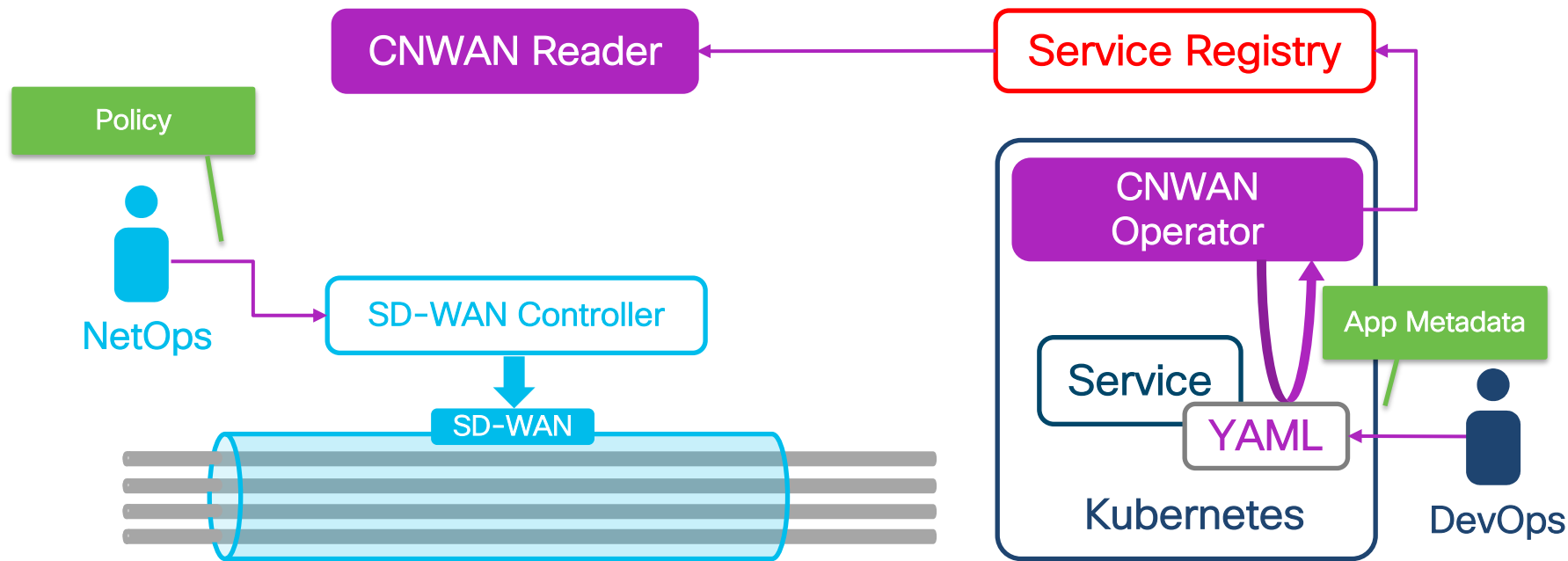
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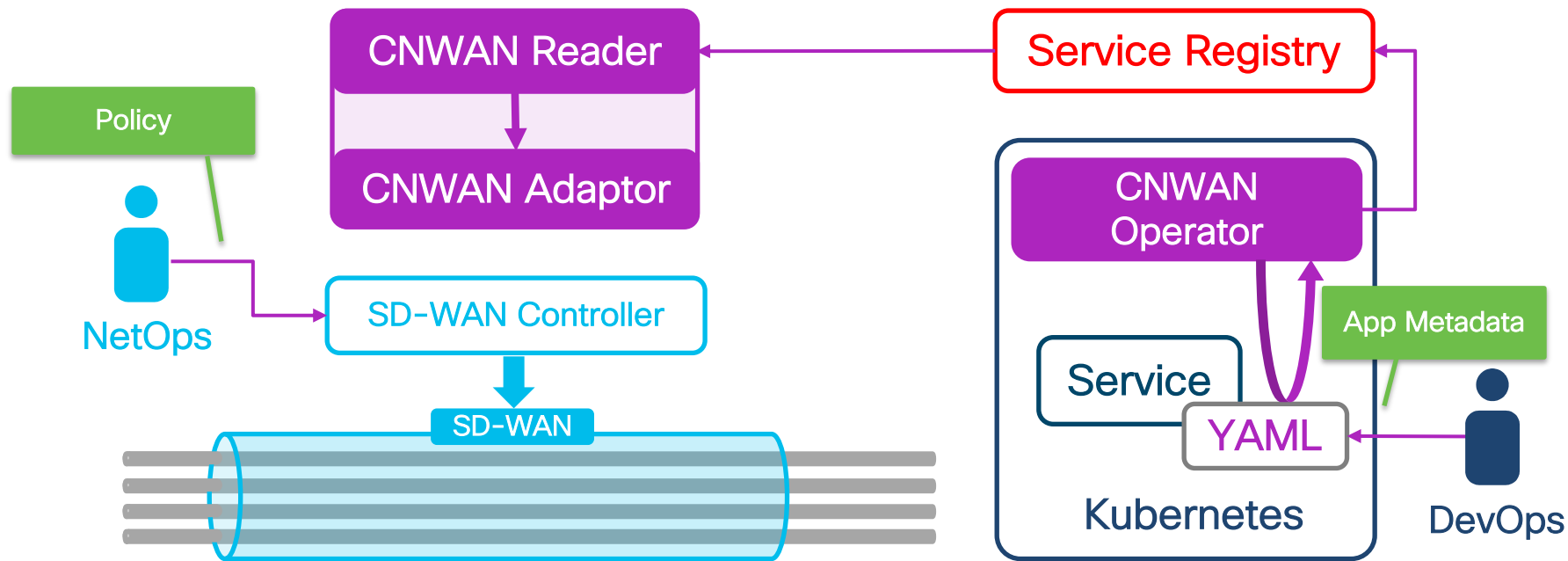
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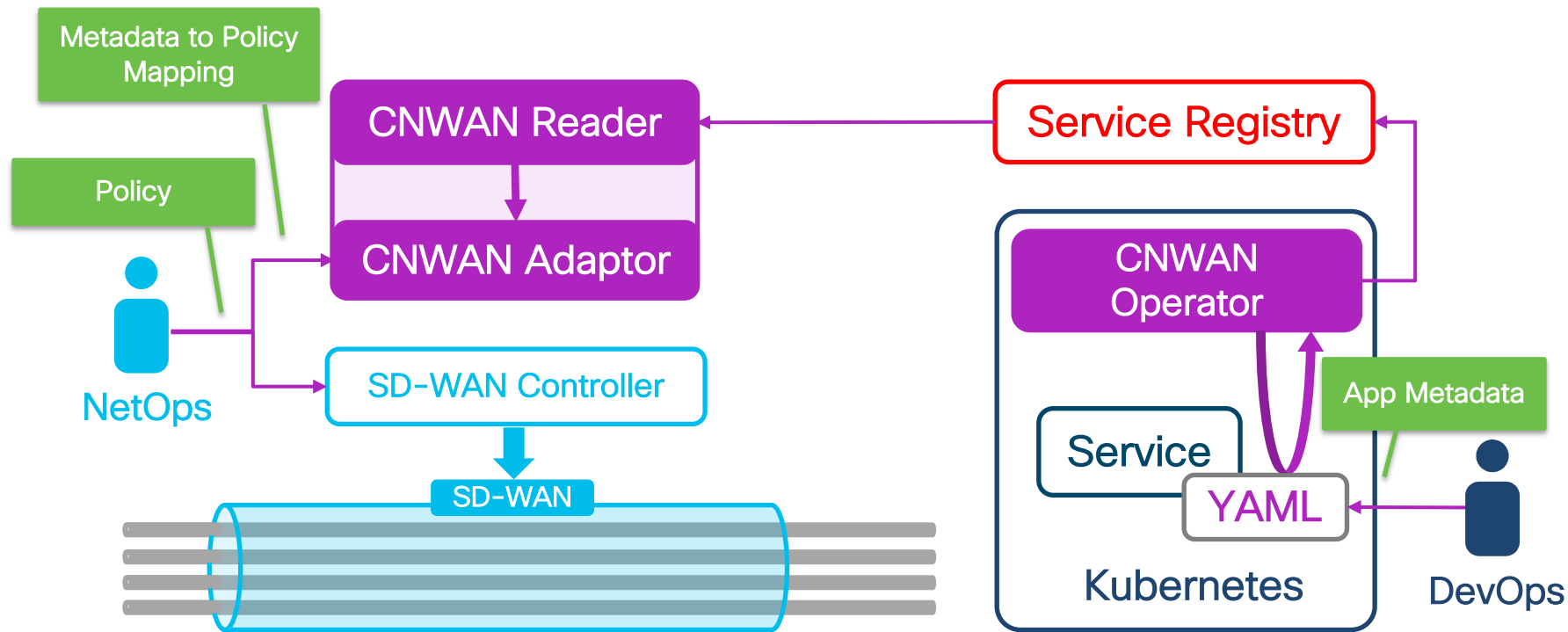
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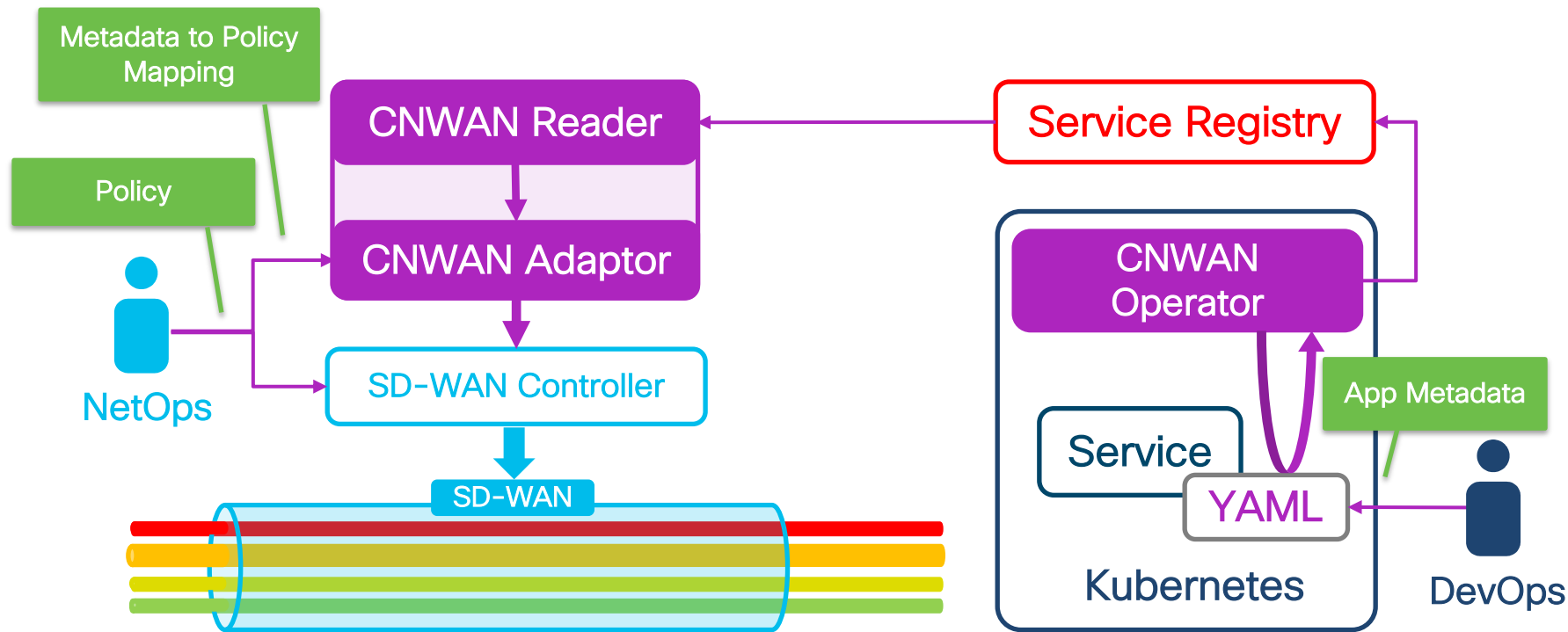
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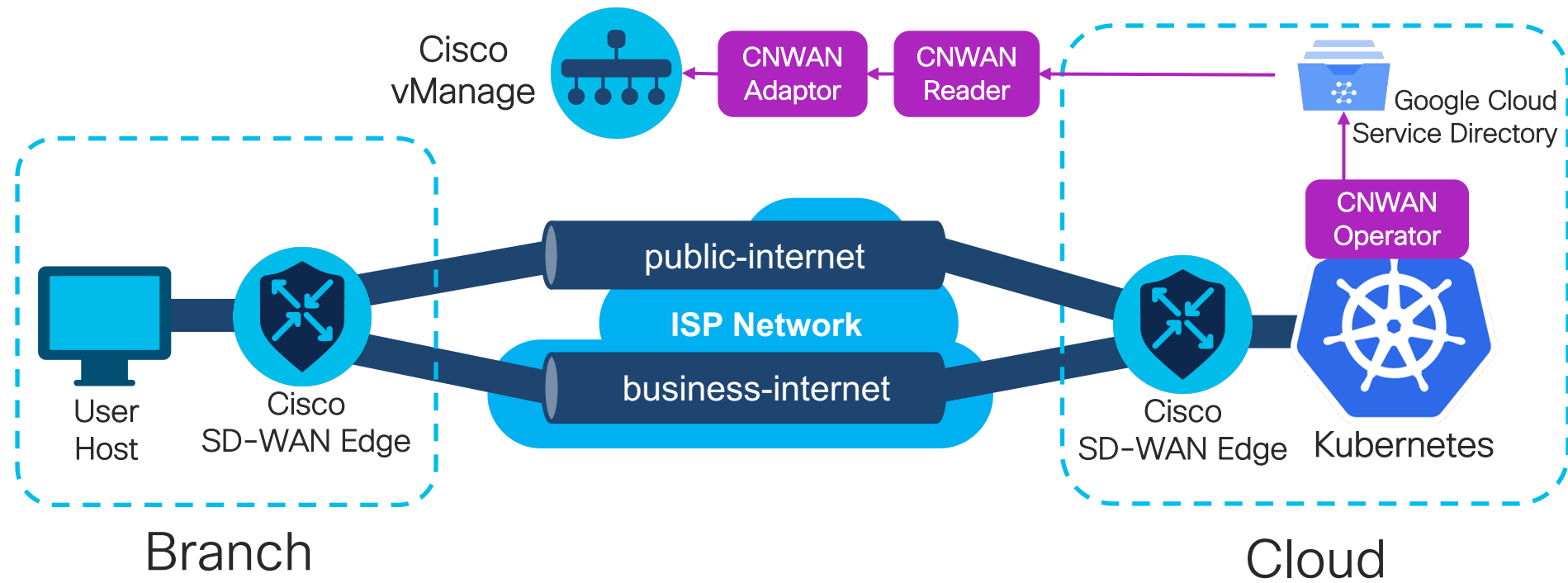


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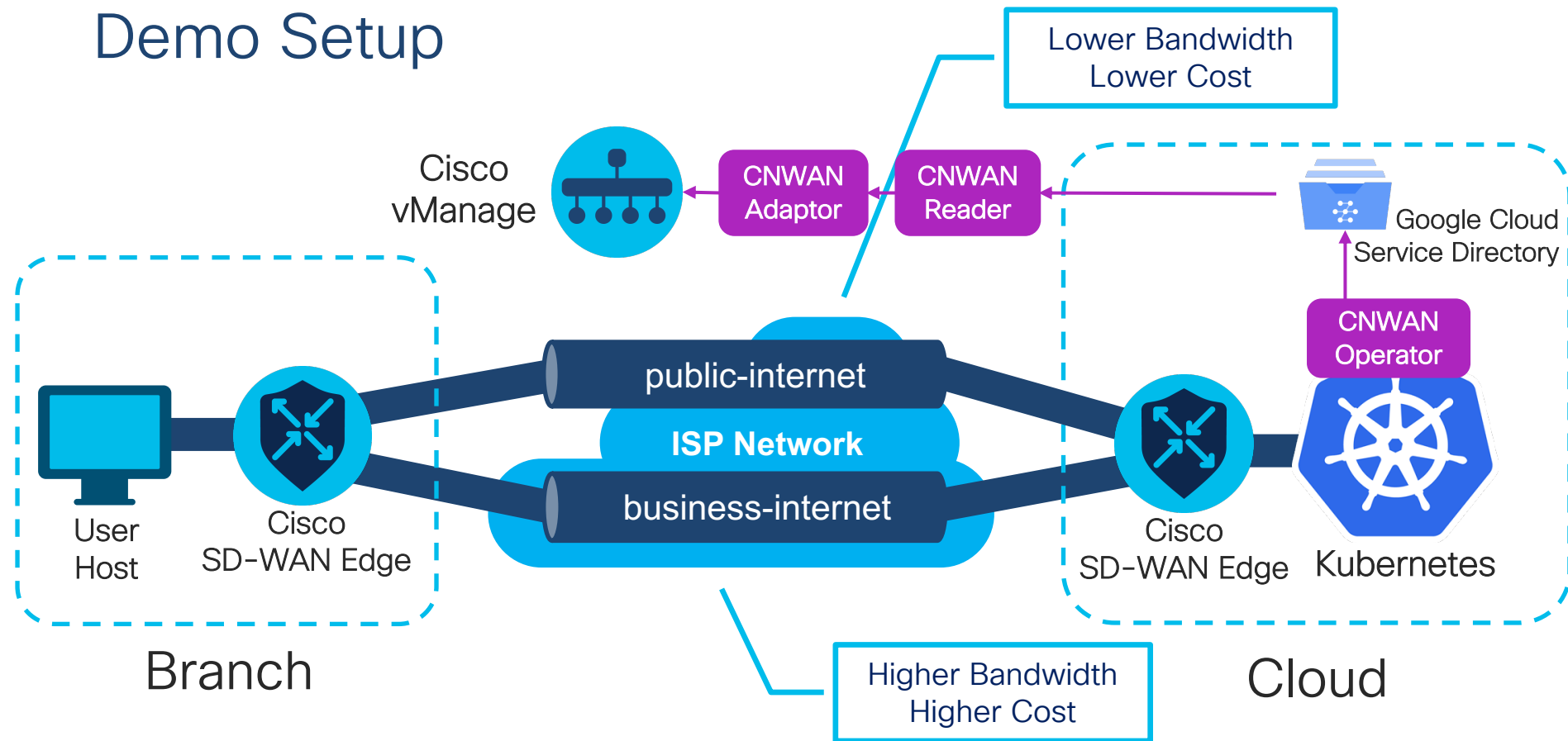


# Demo Setup

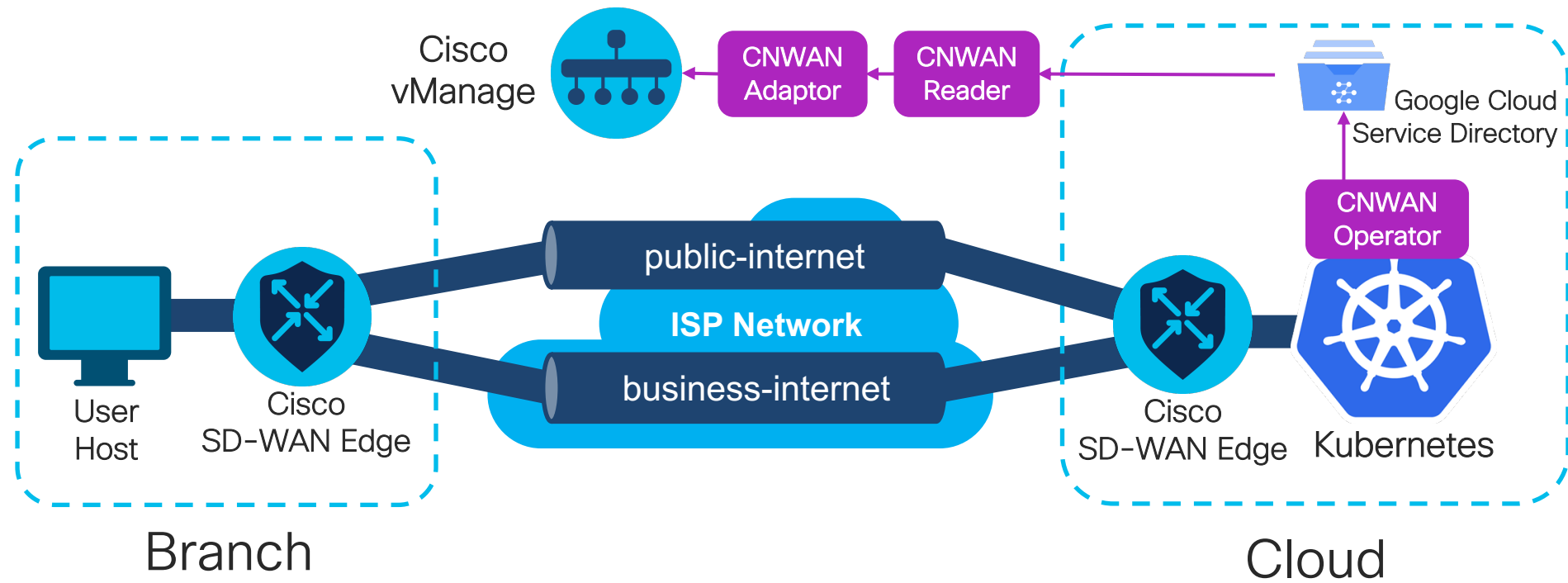




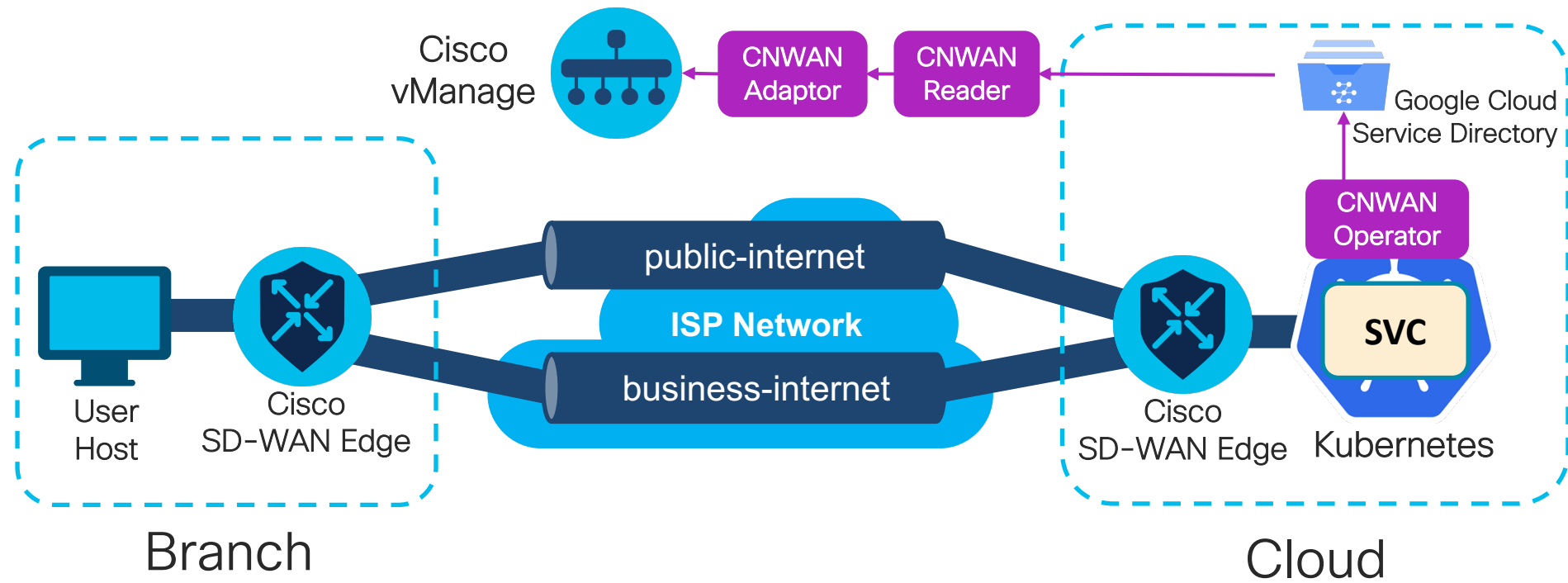
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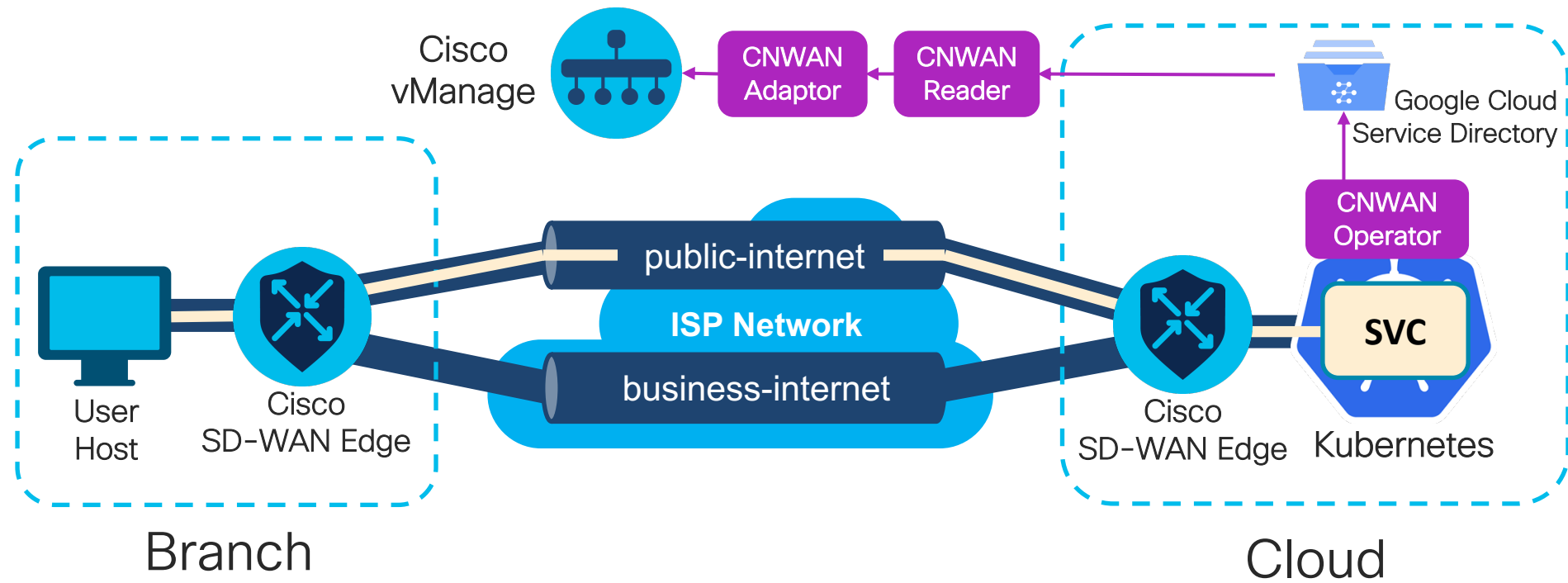
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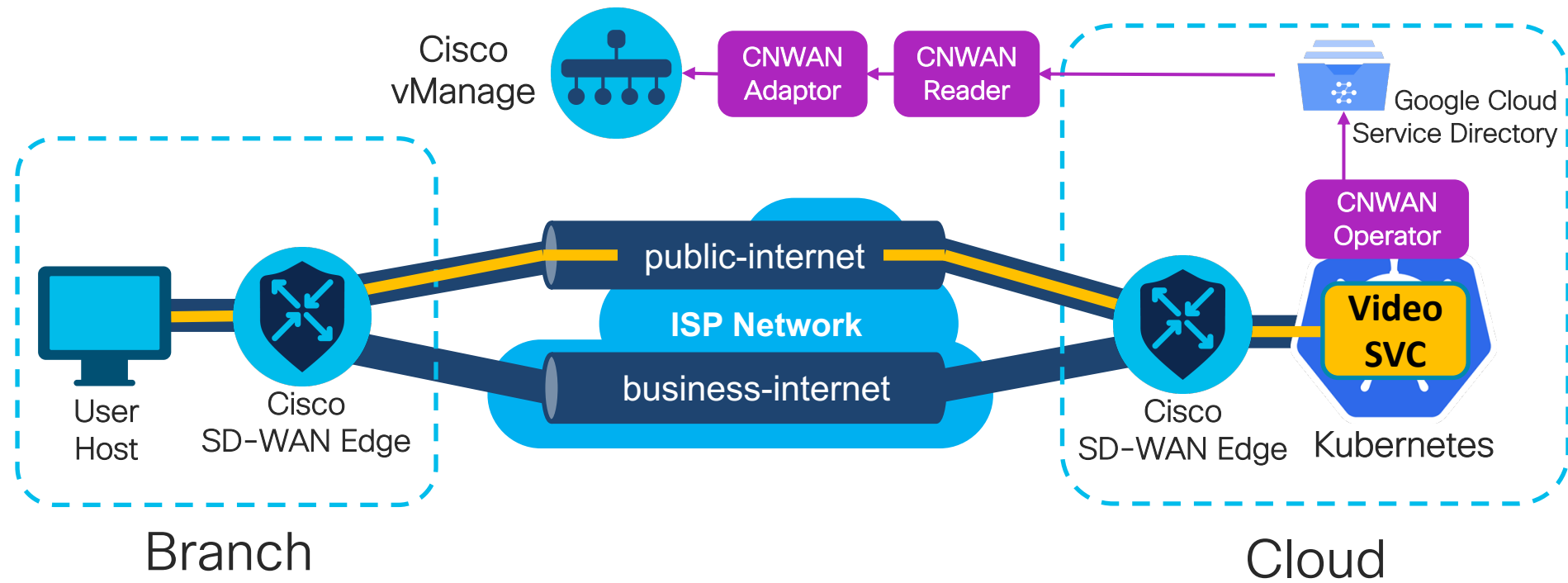
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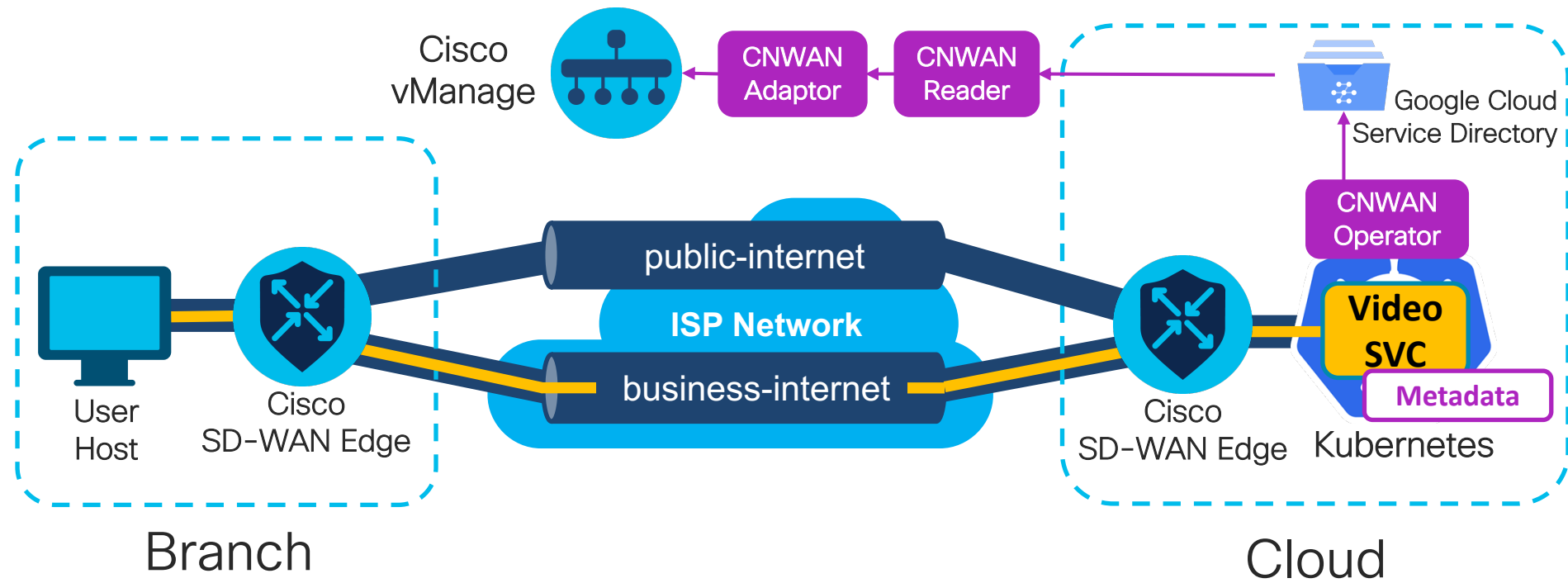
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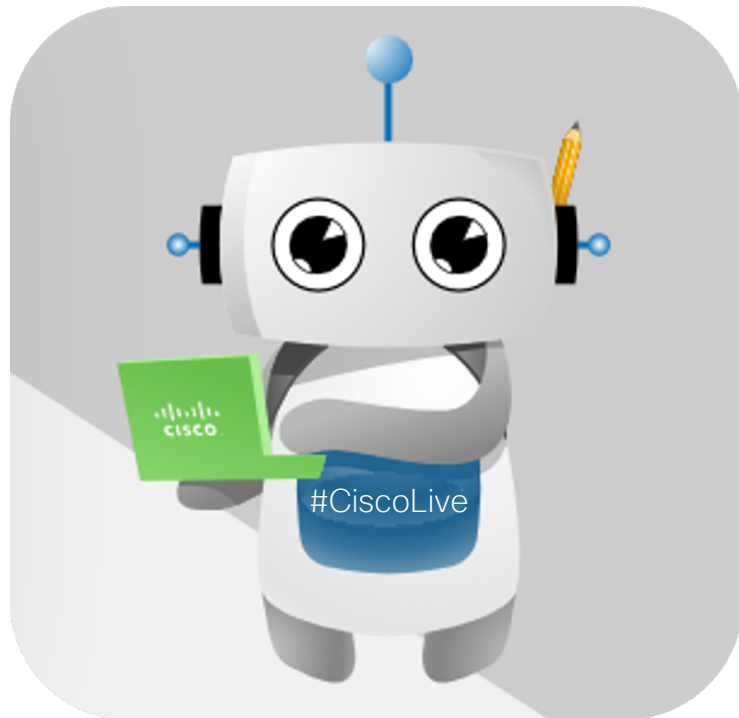
# Demo Setup



# Demo Time!

# DevNet Resources

- Find CN-WAN documentation at:  
<https://developer.cisco.com/docs/cloud-native-sdwan/>
- Don't miss special Cisco Live DevNet offers!  
<https://cs.co/devnetoffers>
- Checkout CN-WAN Code Exchange:  
<https://developer.cisco.com/codeexchange/explore#search=cnwan>







The bridge to possible

# Thank you

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