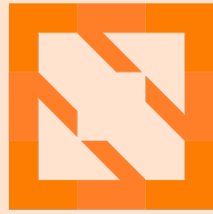




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# Tell Your SD-WAN About Your Service Mesh External Services!

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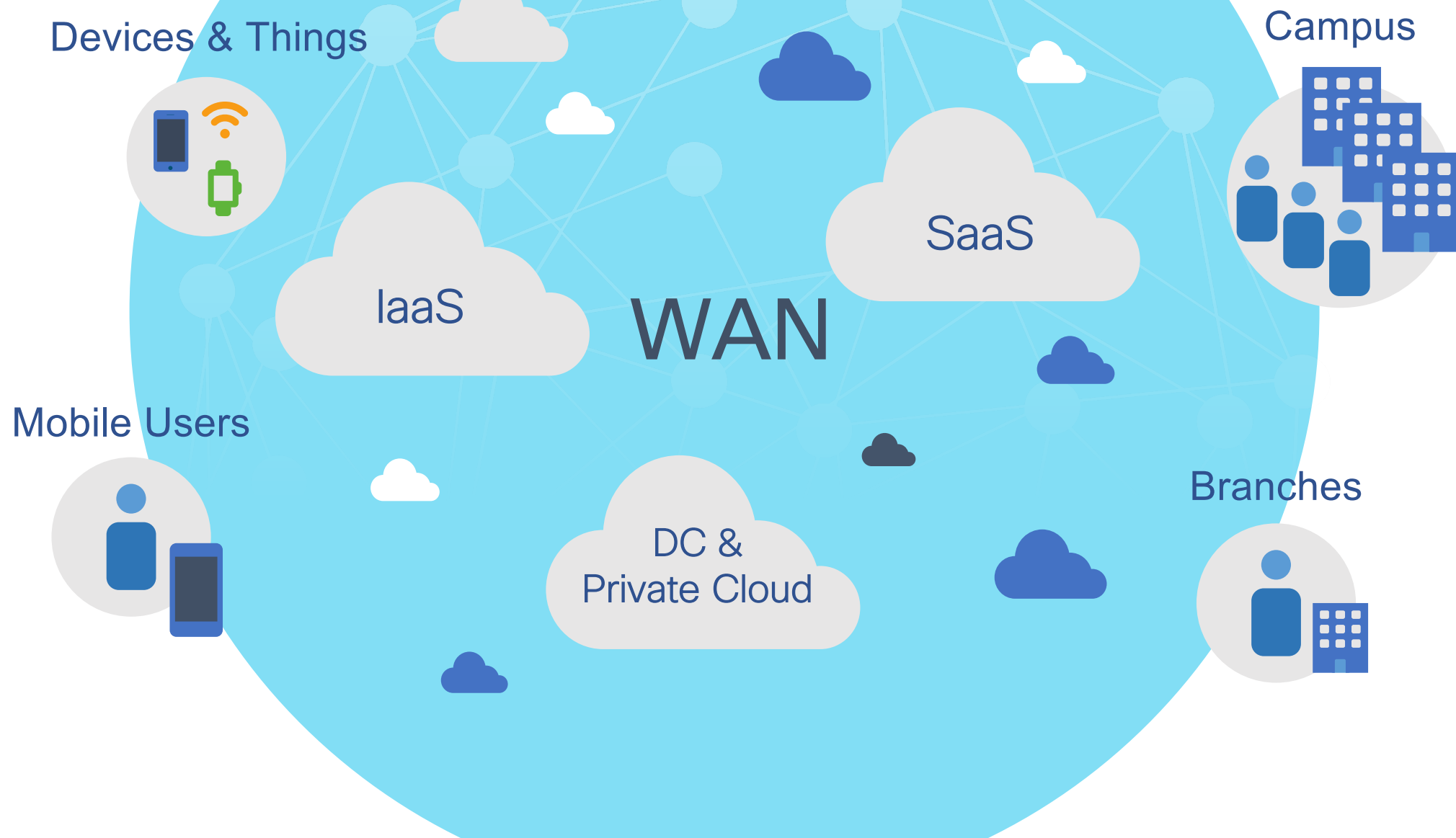


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# Software Defined WAN (SD-WAN)



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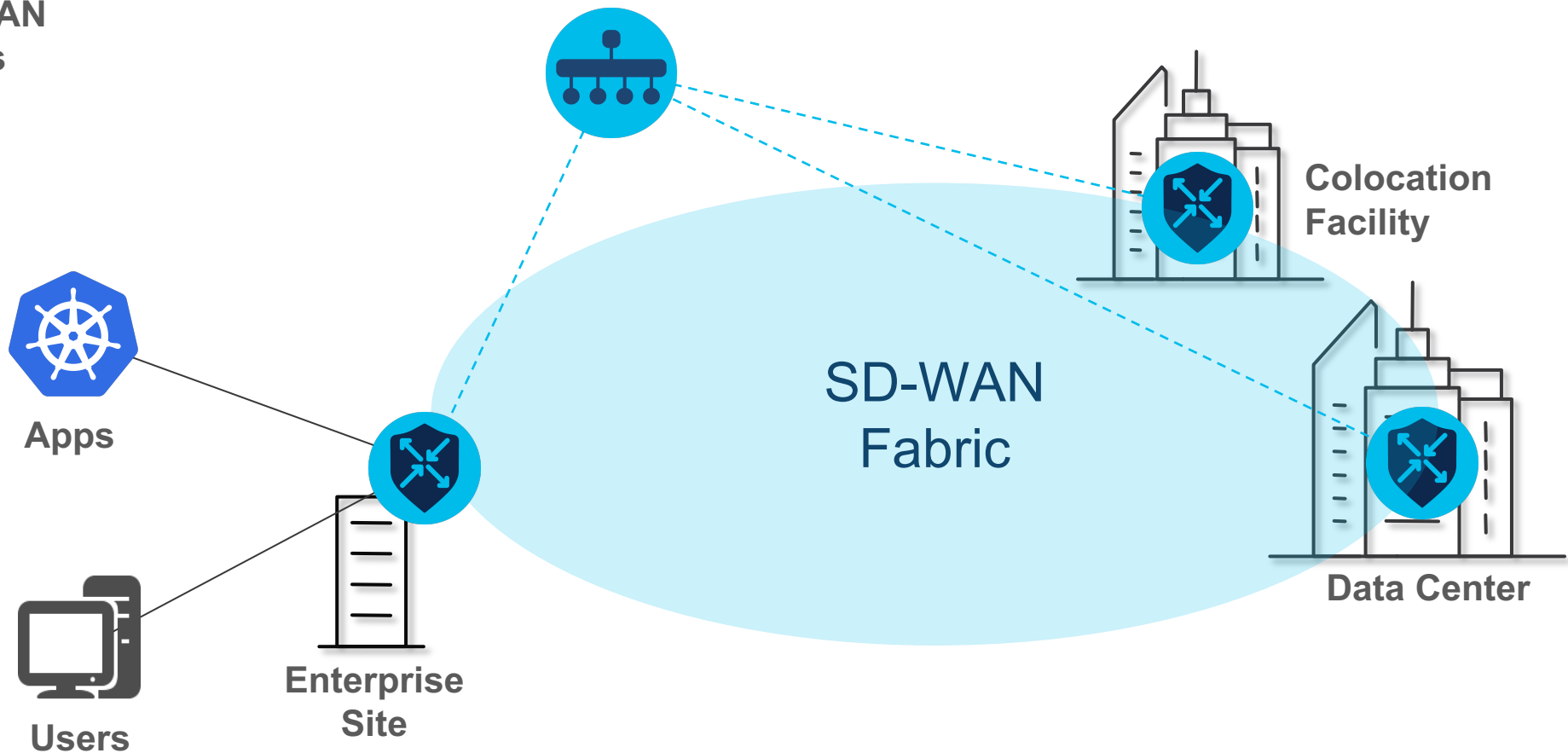
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SD-WAN  
Controller



SD-WAN  
Edges



# SaaS Optimization via SD-WAN

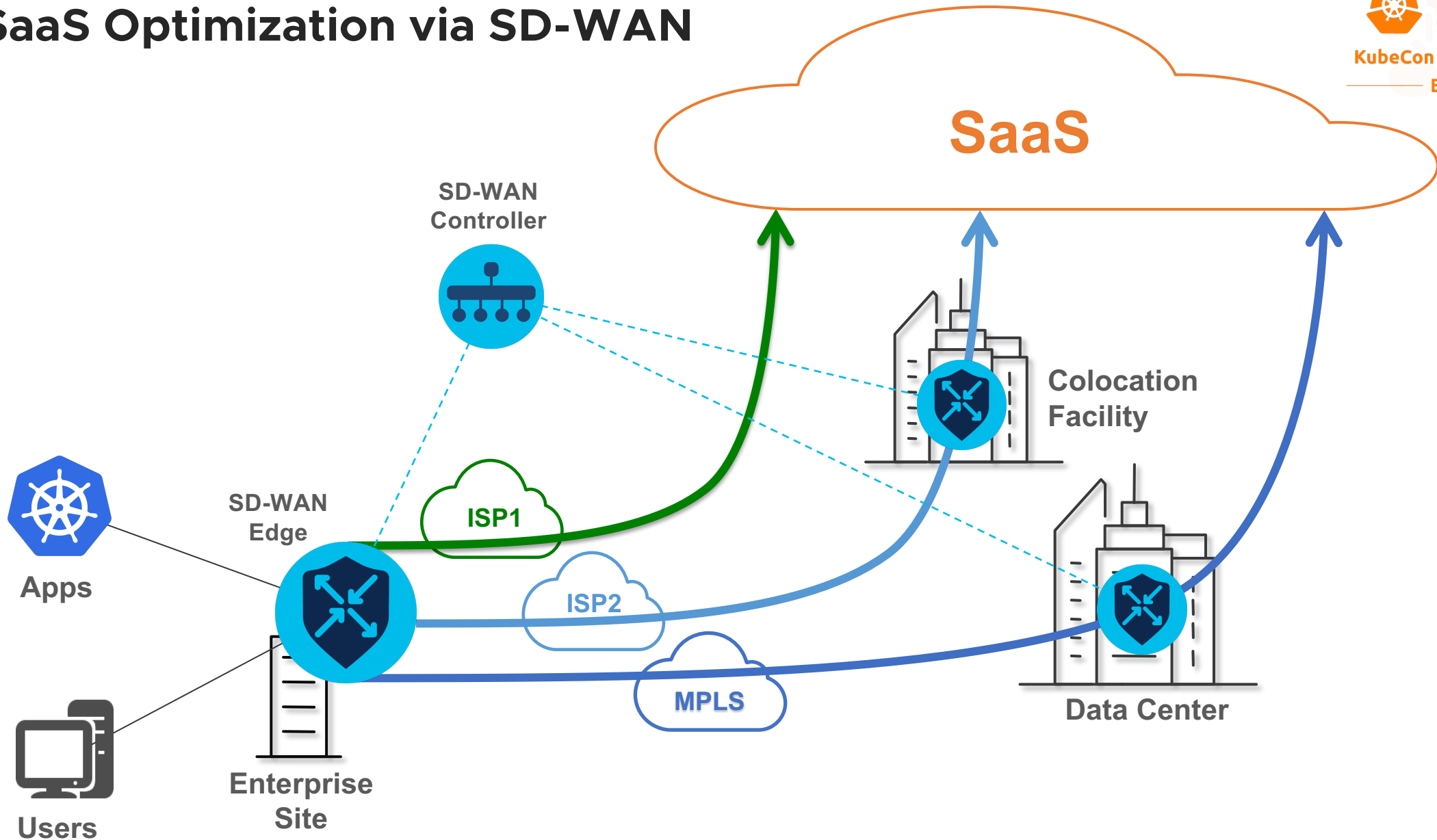


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# Configuring SaaS in SD-WAN

1. Determine which SaaS to configure
2. Provide Endpoint to probe
3. Provide Port to probe

SaaS Probe Endpoint Type\*

☐ IP Address ⓘ ☐ FQDN ⓘ ☒ URL ⓘ

SaaS Probe Endpoint Value\*

Enter SaaS probe endpoint value

HTTP or HTTPS probes are sent to Port 80 or 443 depending on provided URL

```
kind: Egress
apiVersion: policy.openservicemesh.io/v1alpha1
metadata:
  name: httpbin-80
  namespace: curl
spec:
  sources:
  - kind: ServiceAccount
    name: curl
    namespace: curl
  hosts:
  - httpbin.org
  ports:
  - number: 80
    protocol: http
EOF
```

```
apiVersion: networking.istio.io/v1beta1
kind: ServiceEntry
metadata:
  name: external-svc-https
spec:
  hosts:
  - api.dropboxapi.com
  - www.googleapis.com
  - api.facebook.com
  location: MESH_EXTERNAL
  ports:
  - number: 443
    name: https
    protocol: TLS
  resolution: DNS
```



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```
kind: Egress
apiVersion: policy.openservicemesh.io/v1alpha1
metadata:
  name: httpbin-80
  namespace: curl
spec:
  sources:
  - kind: ServiceAccount
    name: curl
    namespace: curl
  hosts:
  - httpbin.org
  ports:
  - number: 80
    protocol: http
EOF
```

Ports to probe

External Services ≈ SaaS



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```
apiVersion: networking.istio.io/v1beta1
kind: ServiceEntry
metadata:
  name: external-svc-https
spec:
  hosts:
  - api.dropboxapi.com
  - www.googleapis.com
  - api.facebook.com
  location: MESH_EXTERNAL
  ports:
  - number: 443
    name: https
    protocol: TLS
  resolution: DNS
```

Endpoints to probe



# Automation via Open Source



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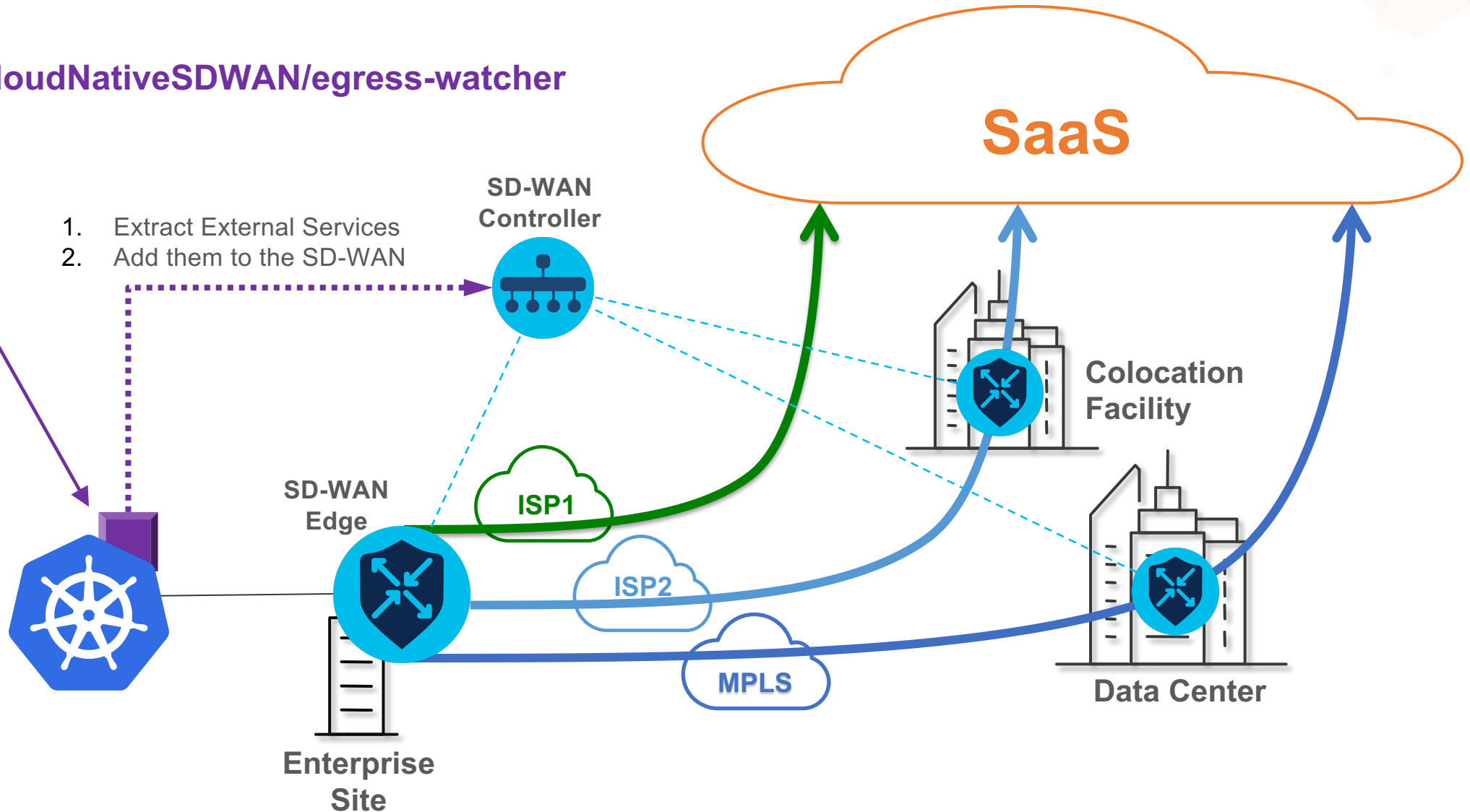


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[github.com/CloudNativeSDWAN/egress-watcher](https://github.com/CloudNativeSDWAN/egress-watcher)

1. Extract External Services
2. Add them to the SD-WAN



# Learn More



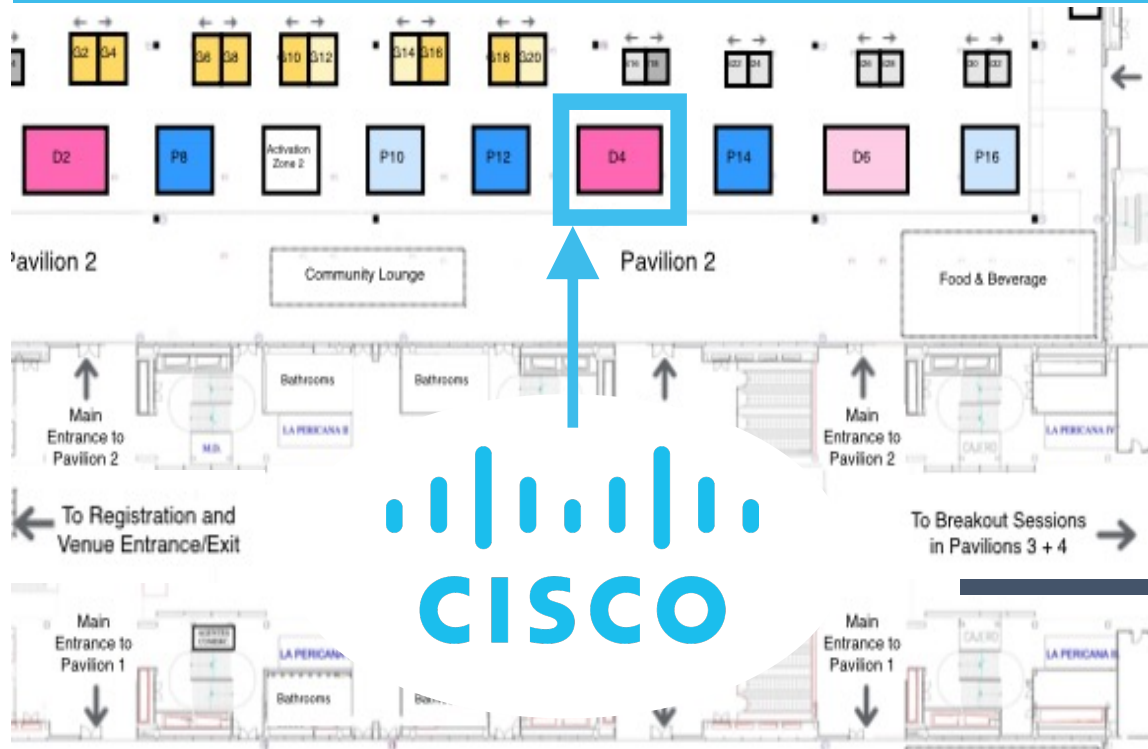
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## Visit us in Pavilion 2 Booth D4



[github.com/CloudNativeSDWAN/egress-watcher](https://github.com/CloudNativeSDWAN/egress-watcher)

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