

# Network Services

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Author & Trainer

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# Overview



- Service Discovery
- Ingress (Routing Mesh)
- Recap



# Service Discovery

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# Assumptions

**You know the basics of microservices**

**You know the basics of overlay networks**



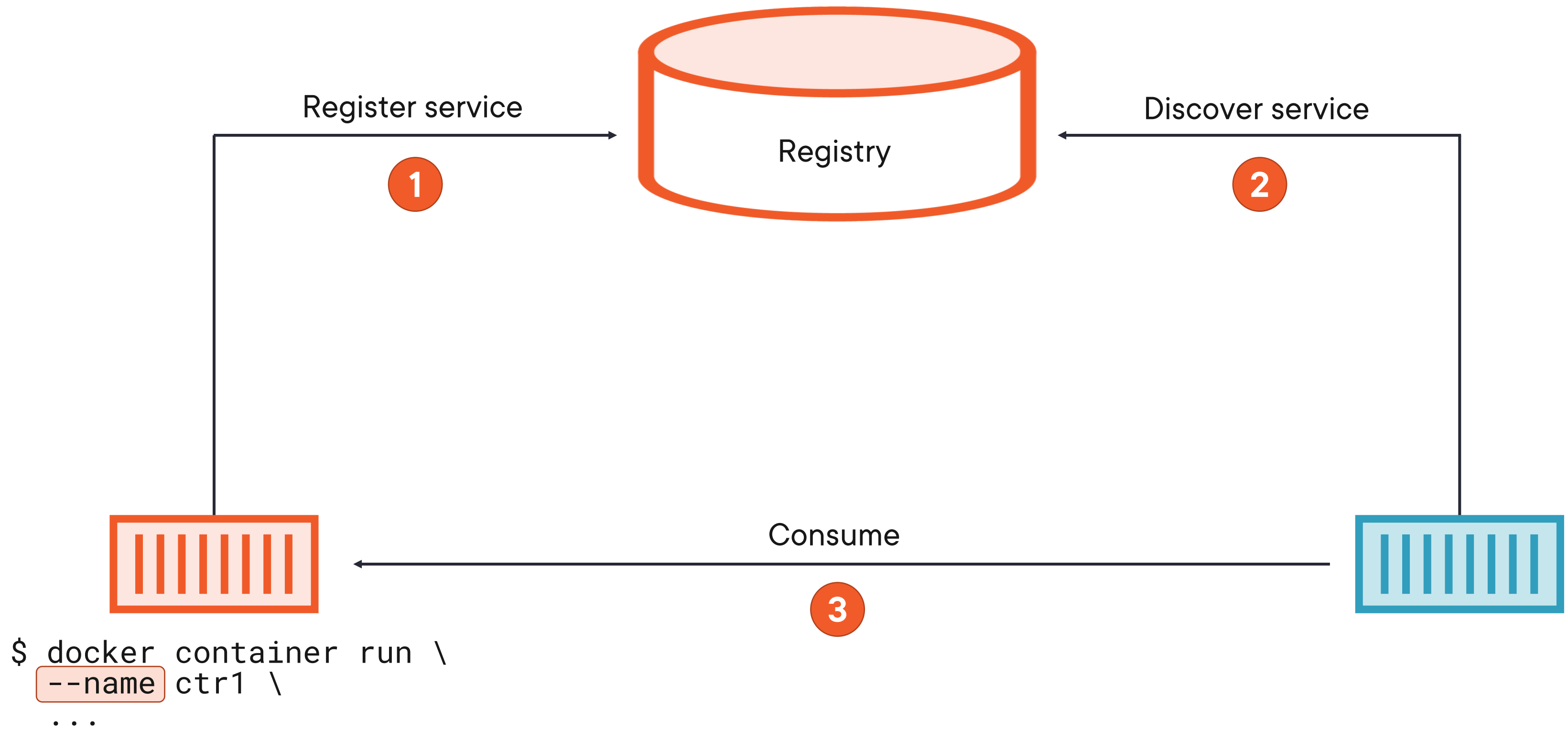
**Finding stuff is hard**

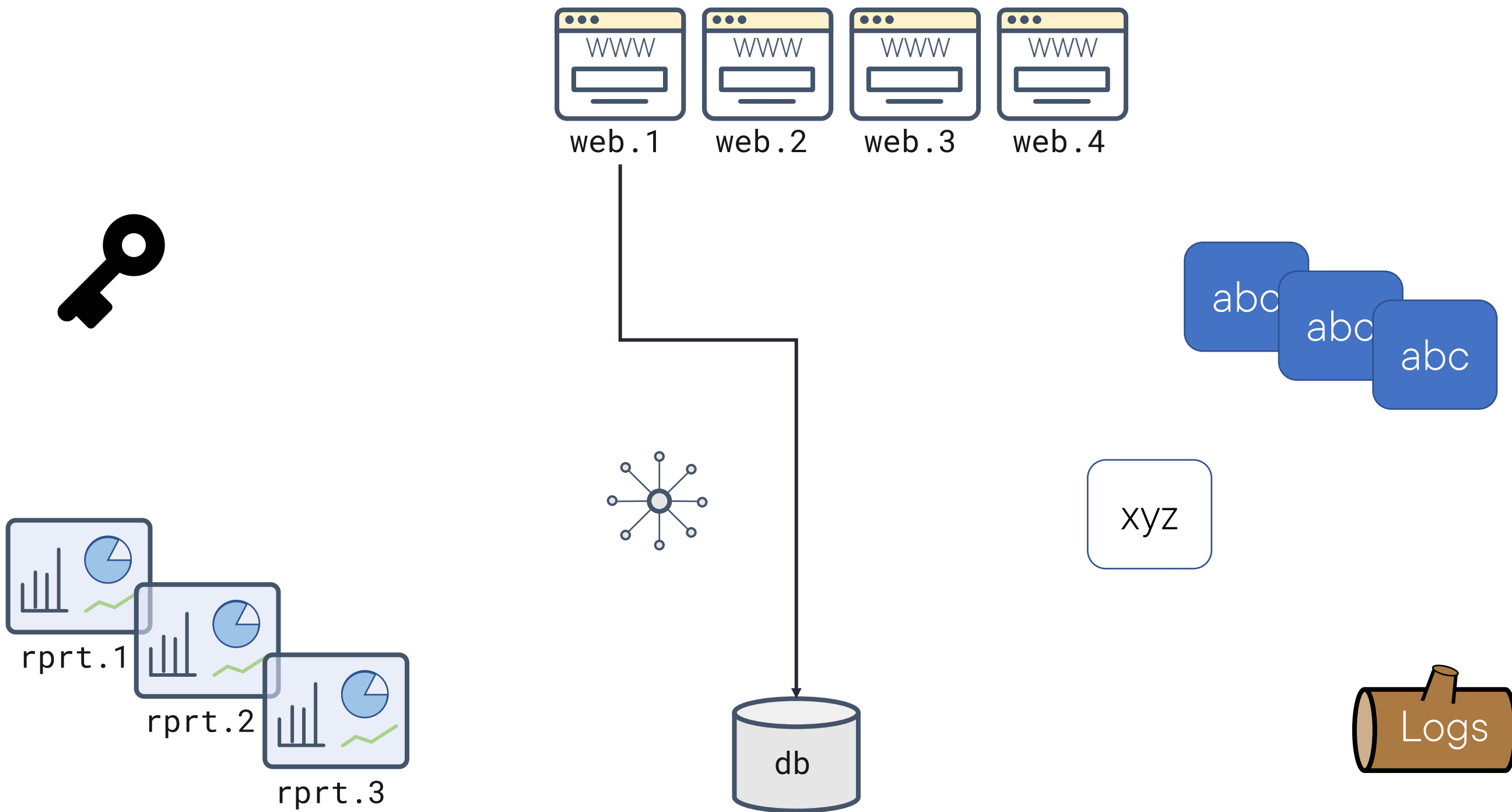
**Don't code it into your apps**

**Service Discovery  
makes it possible**

**Part of the infrastructure**







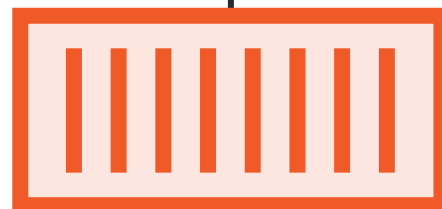
## Registry

DNS

orange 10.0.0.5

blue 10.0.0.6

plumb 10.0.0.7



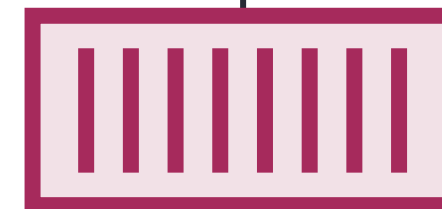
/etc/resolv.conf

orange  
10.0.0.5



/etc/resolv.conf

blue  
10.0.0.6

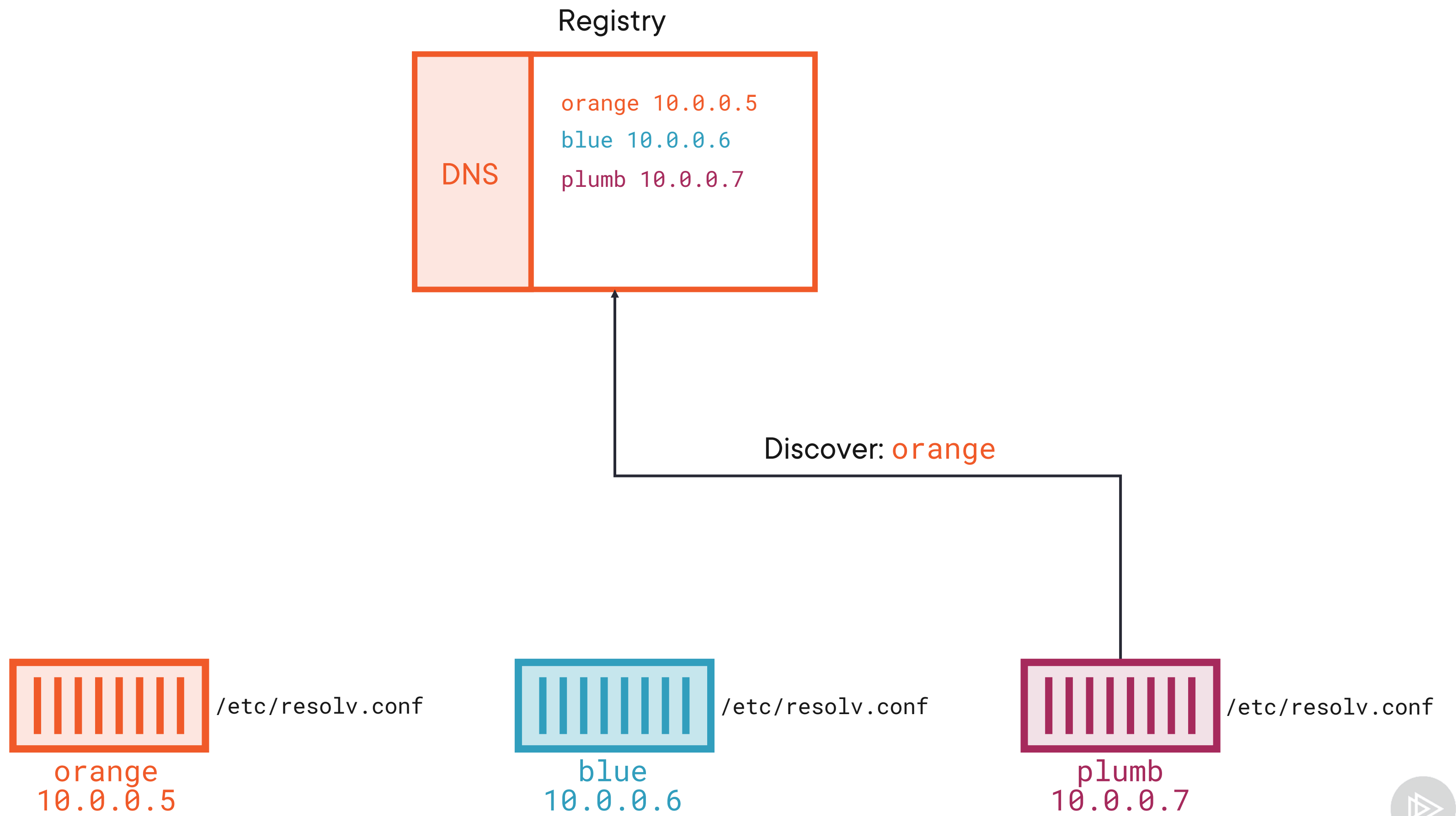


/etc/resolv.conf

plumb  
10.0.0.7







Up Next:

Hands-on with Service Discovery

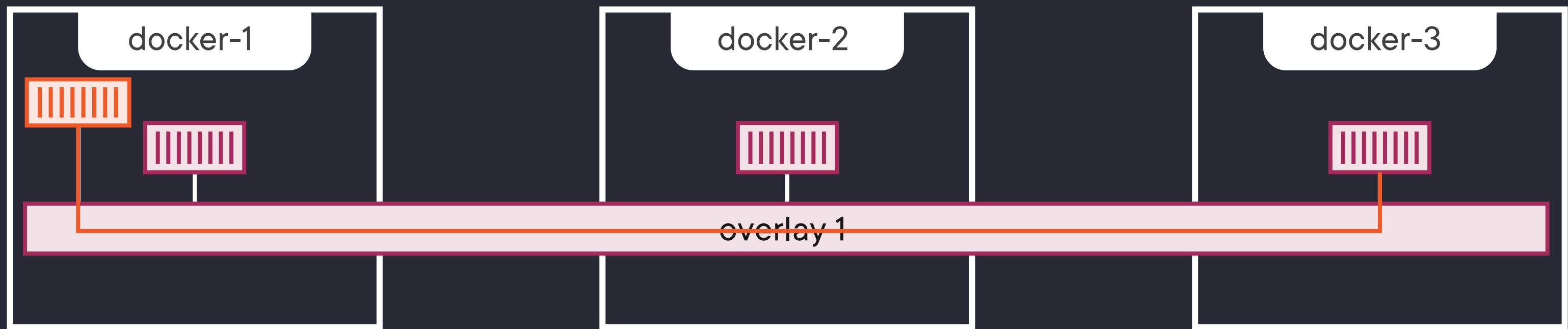
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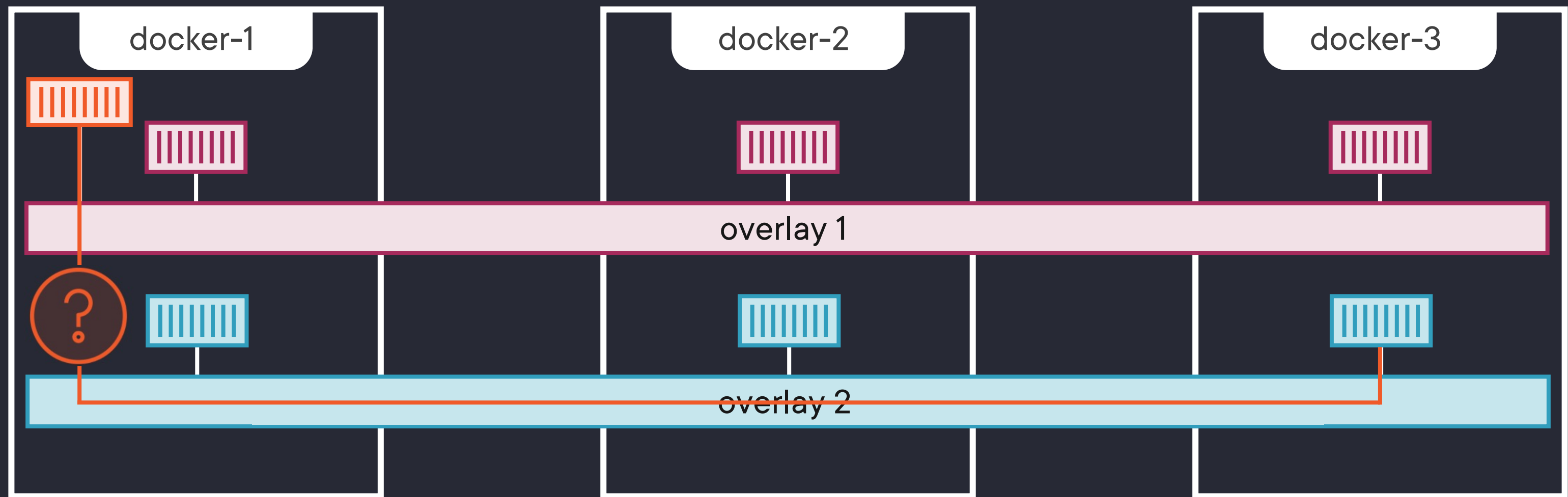


# Hands-on with Service Discovery

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Up Next:  
Ingress Networking

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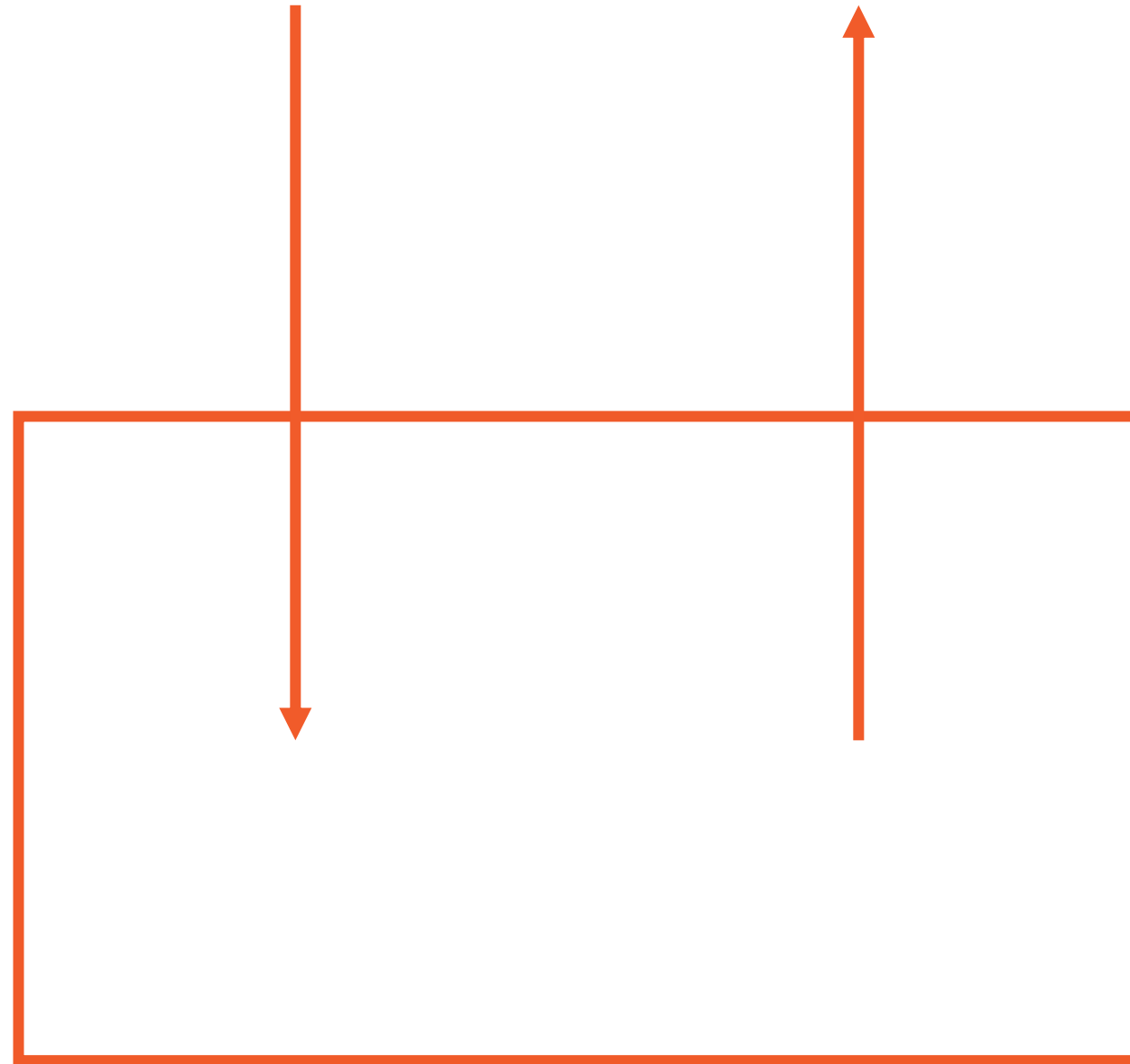
# Ingress Networking

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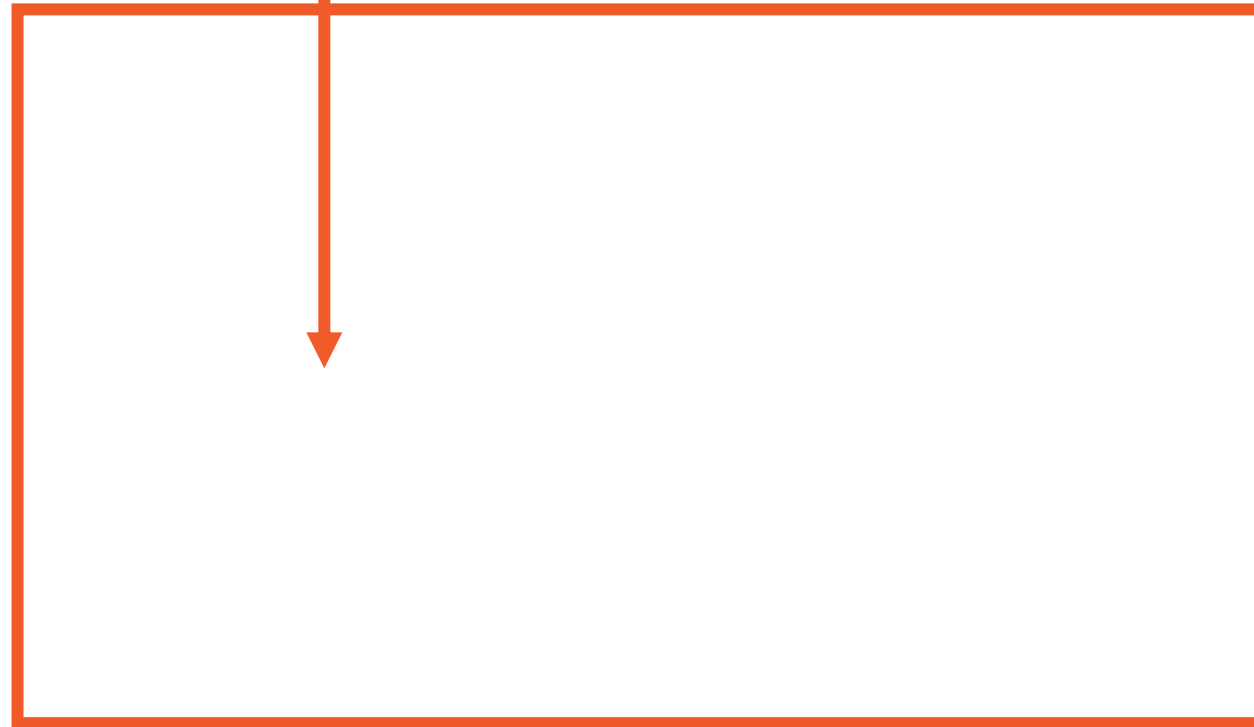
Ingress

Egress

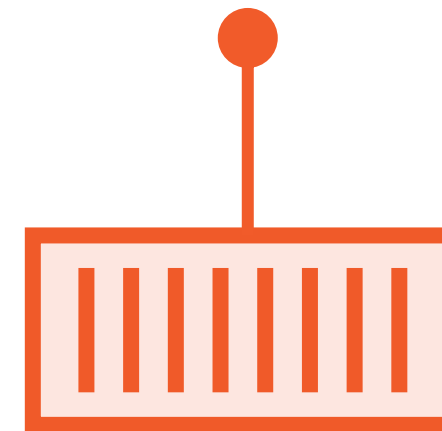
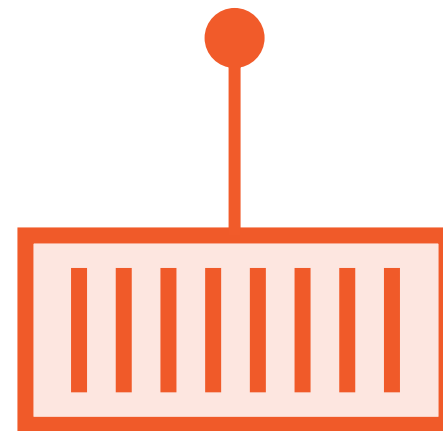
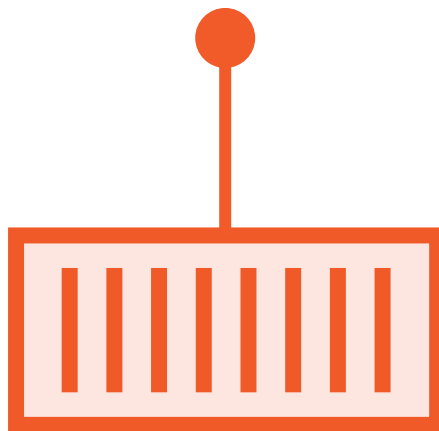


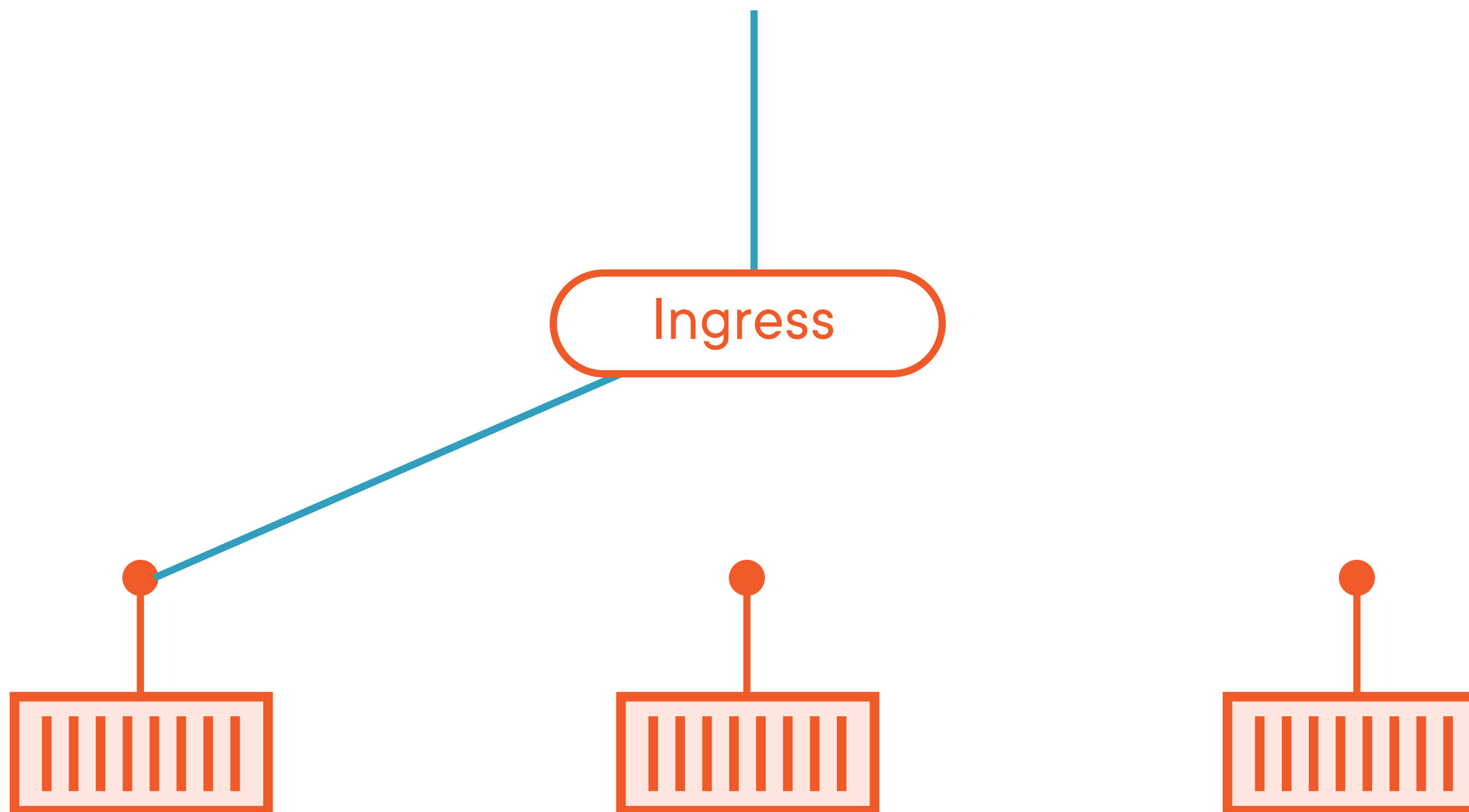


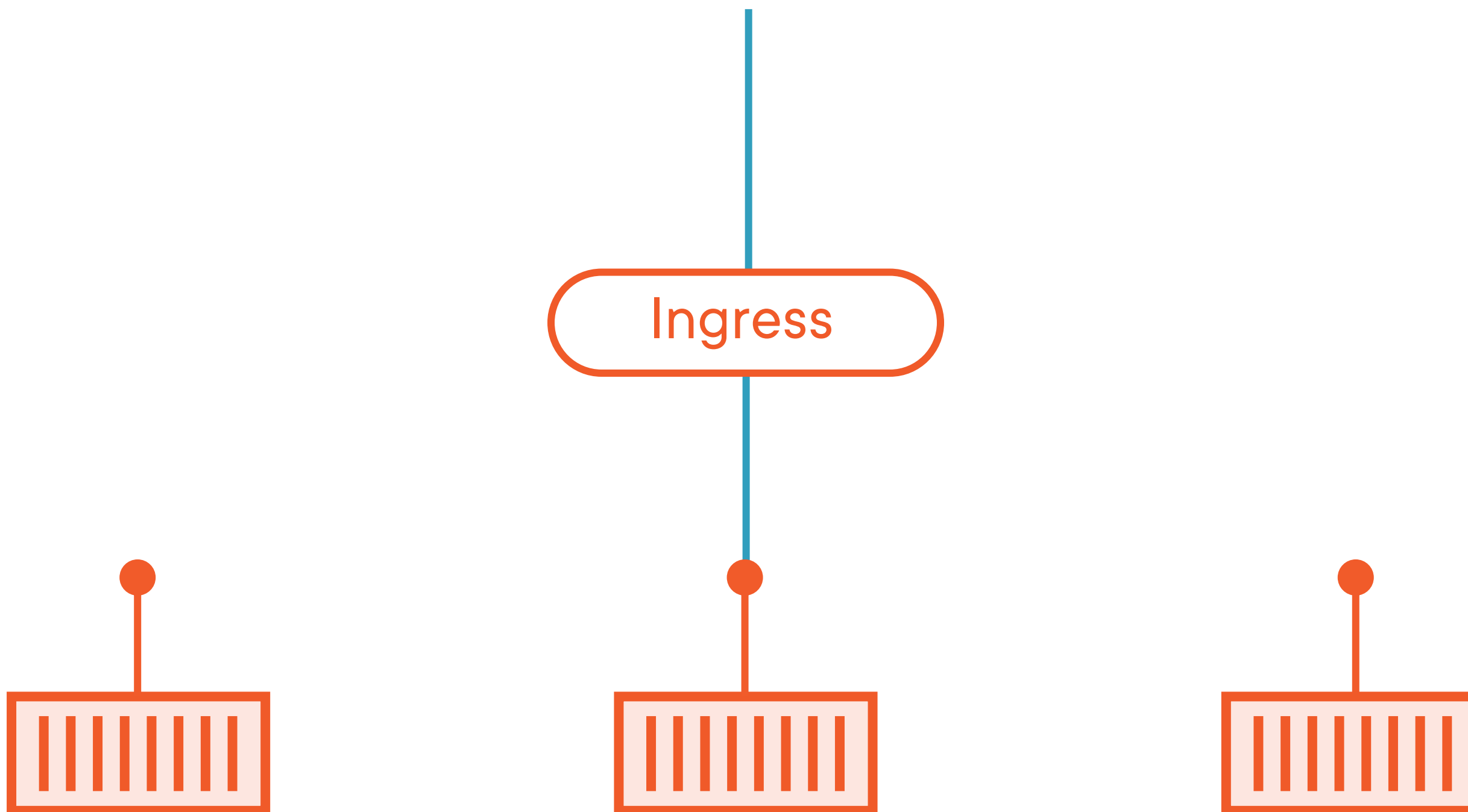
INgress

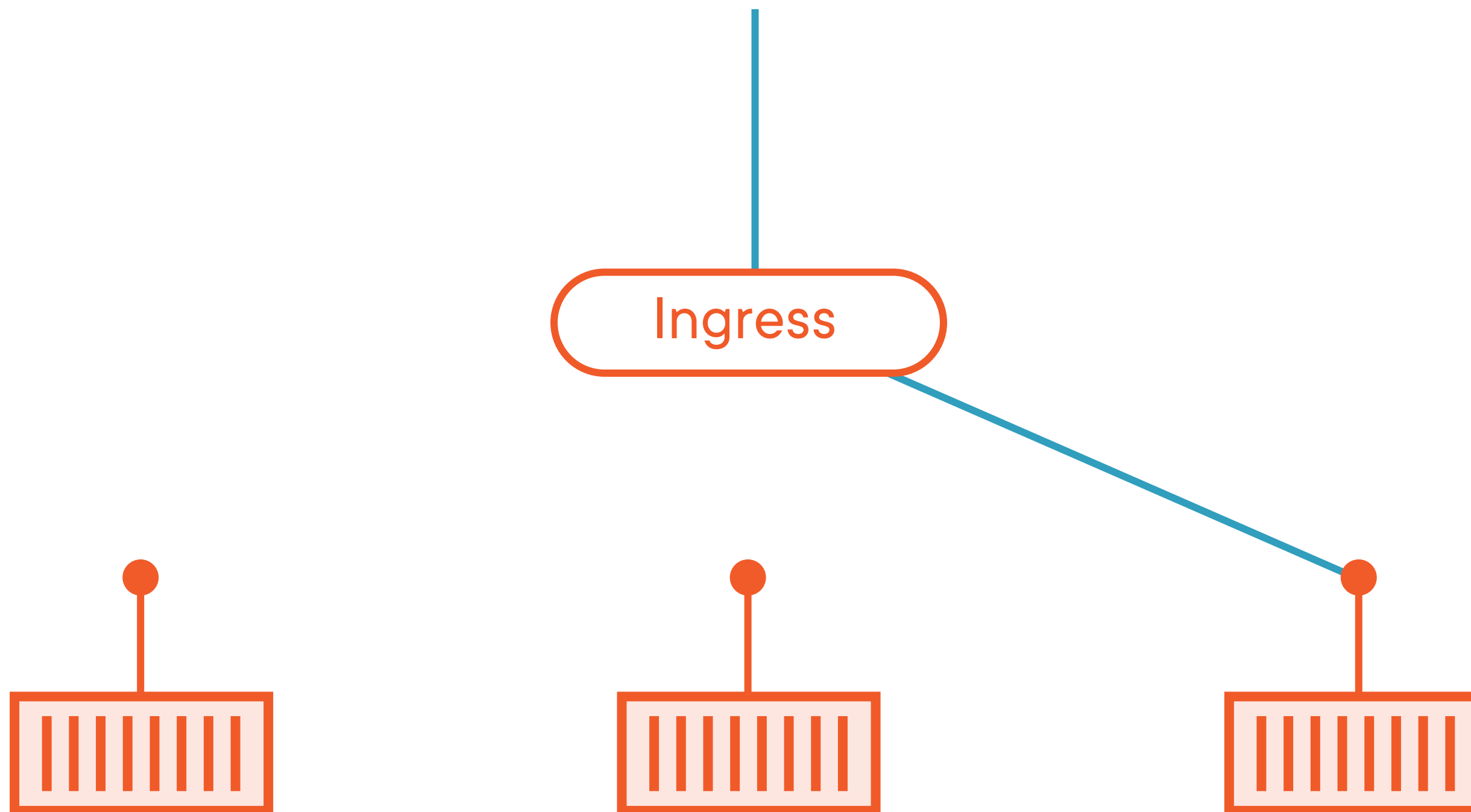


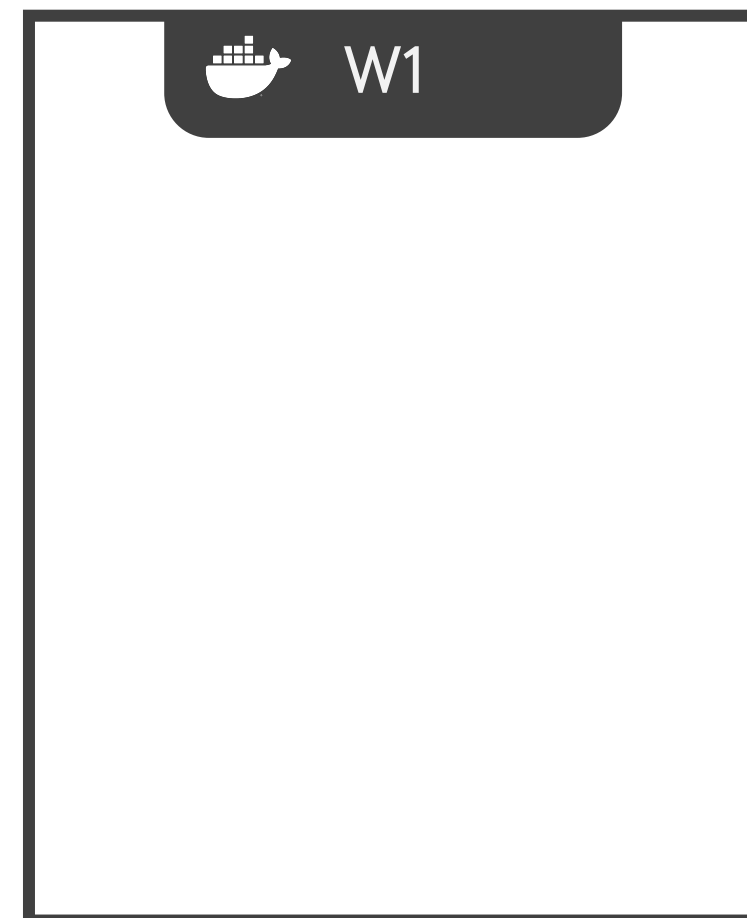
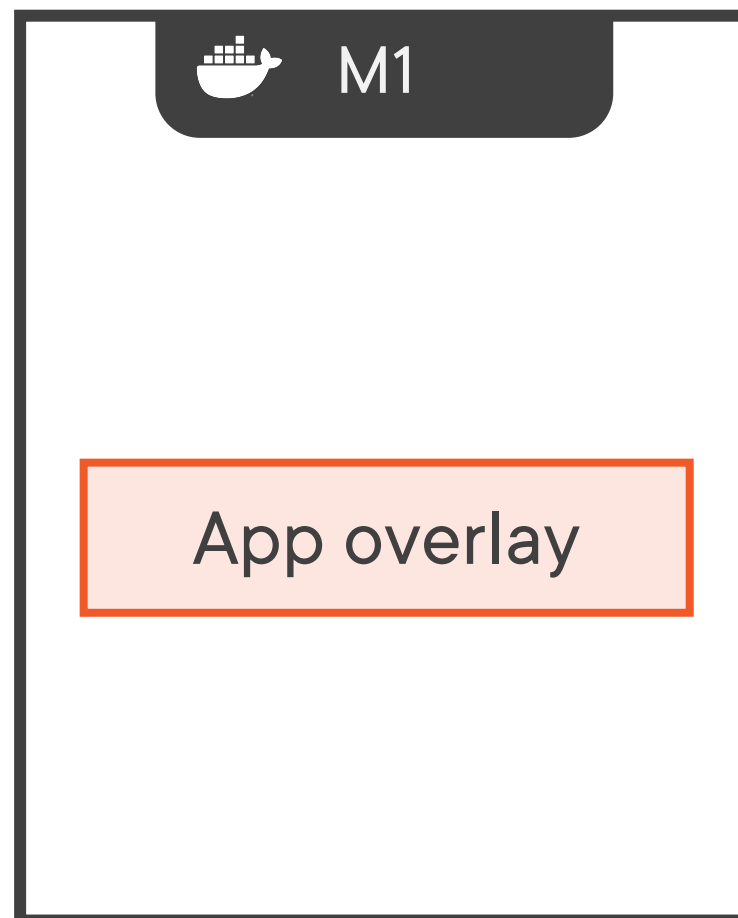
Ingress

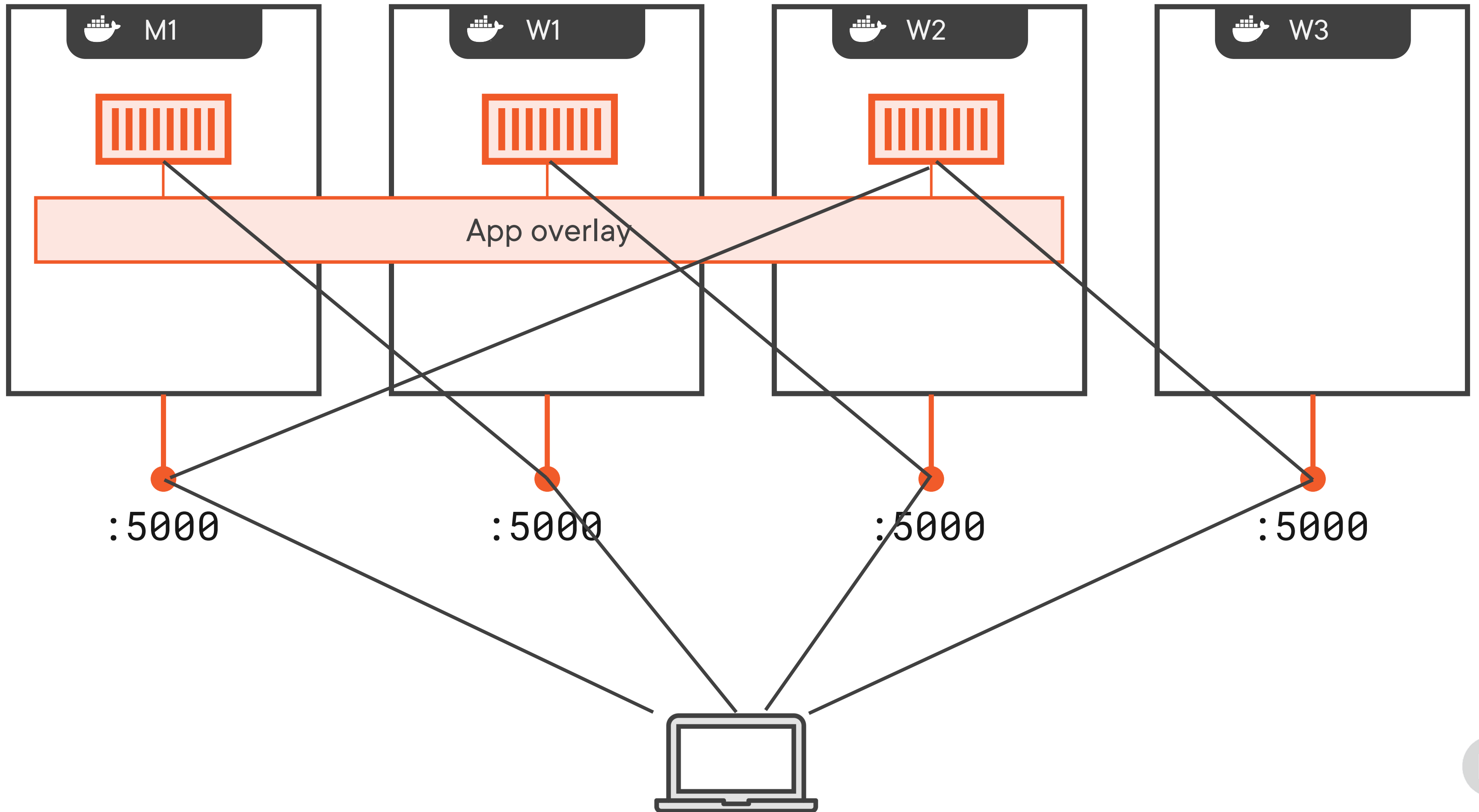


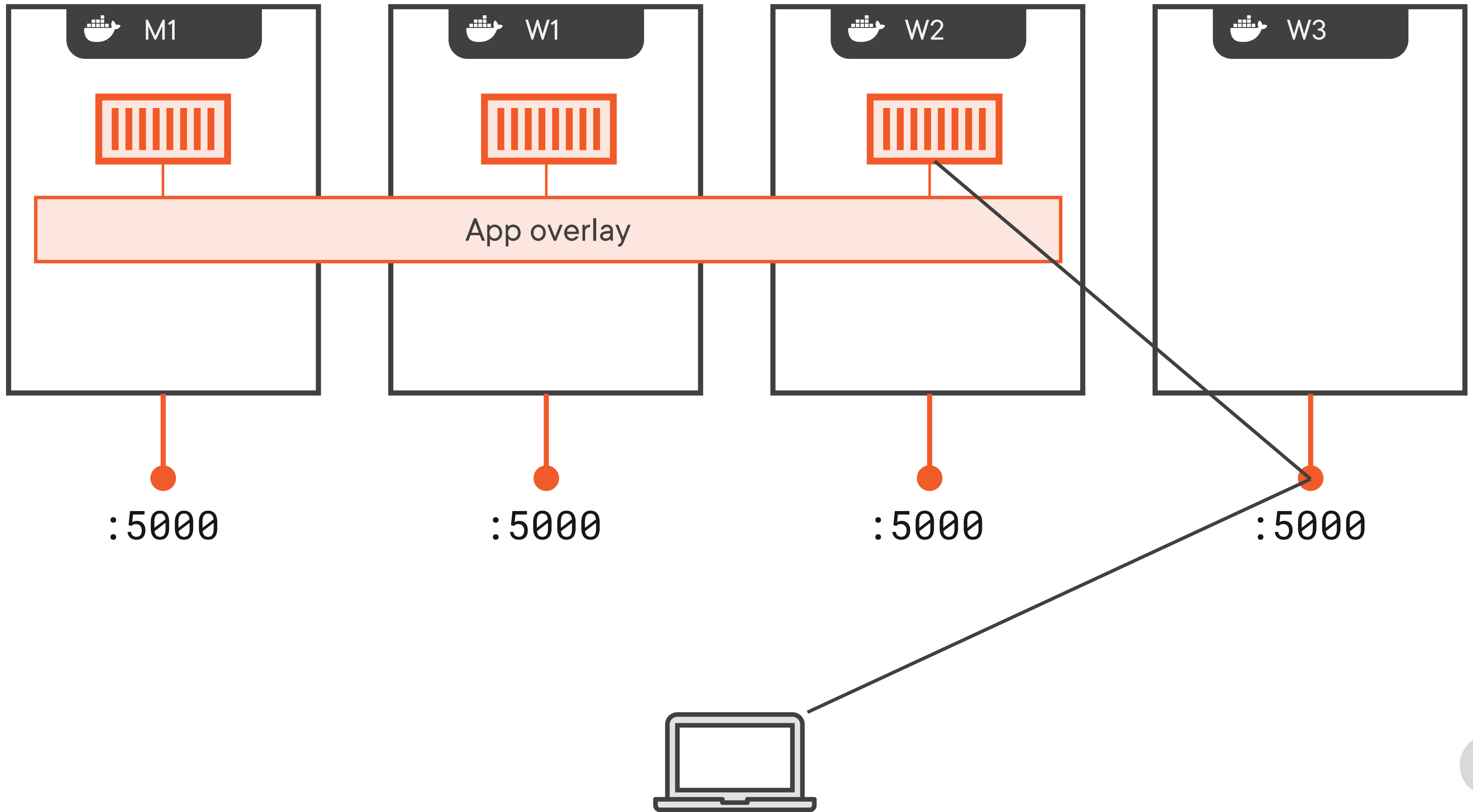




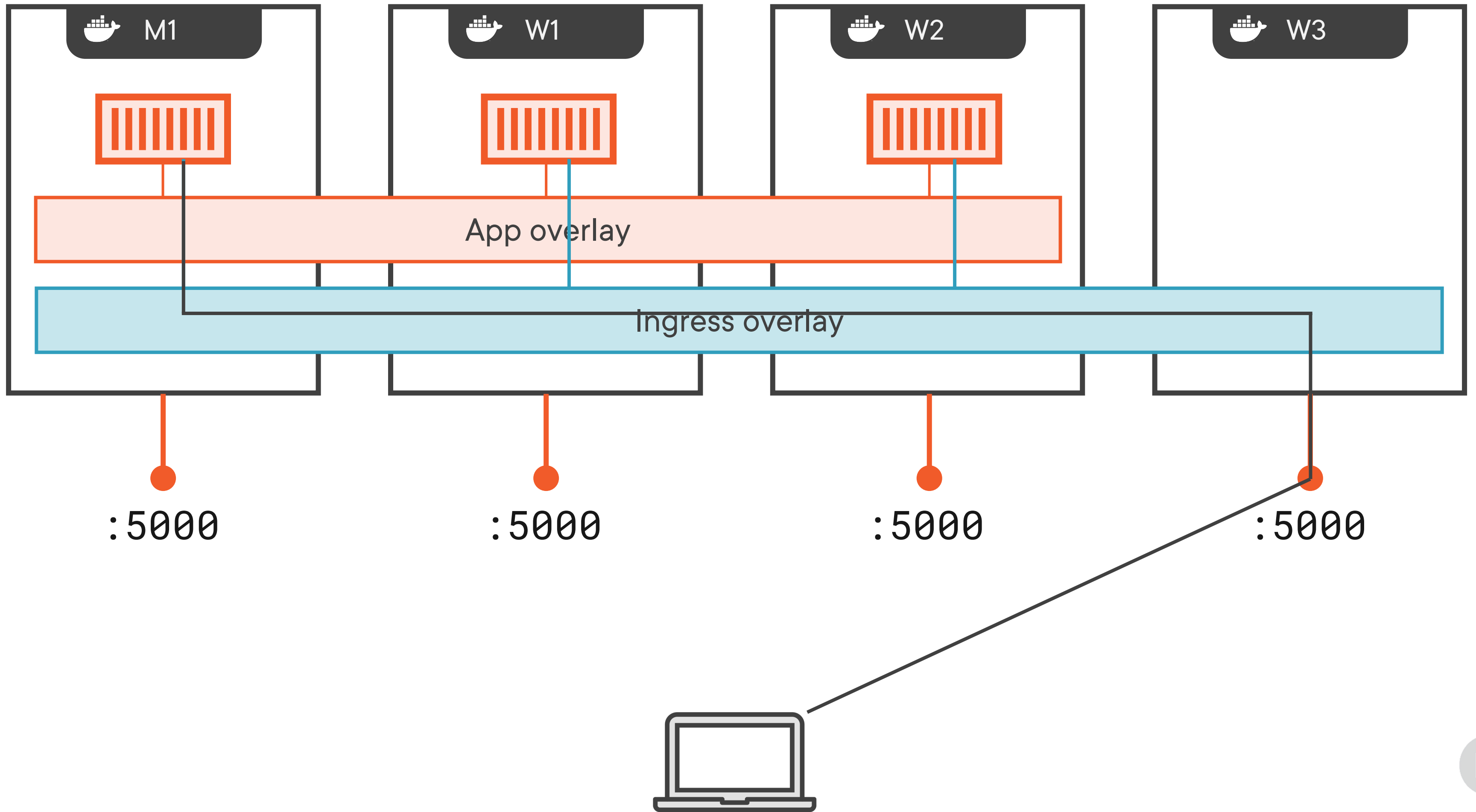


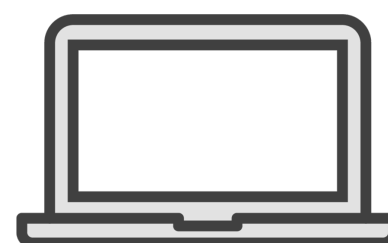
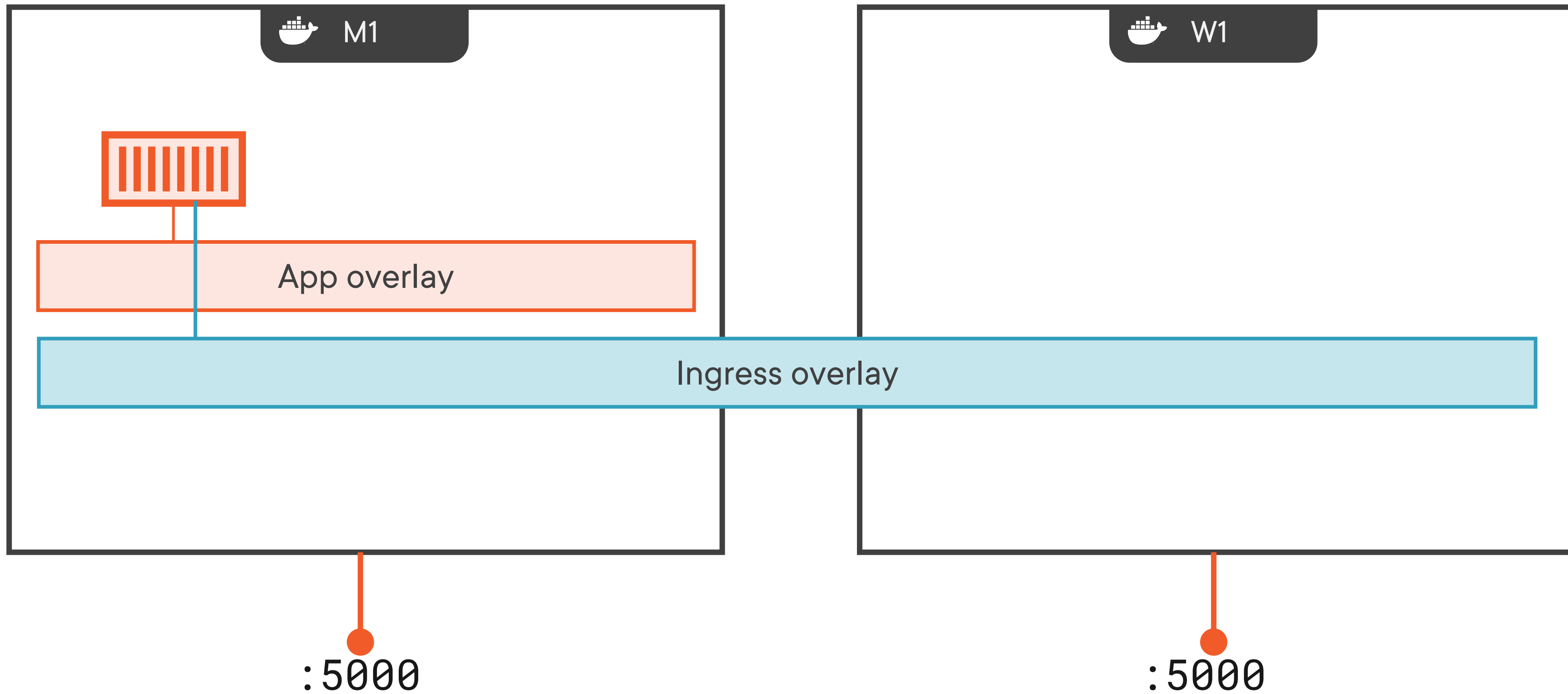


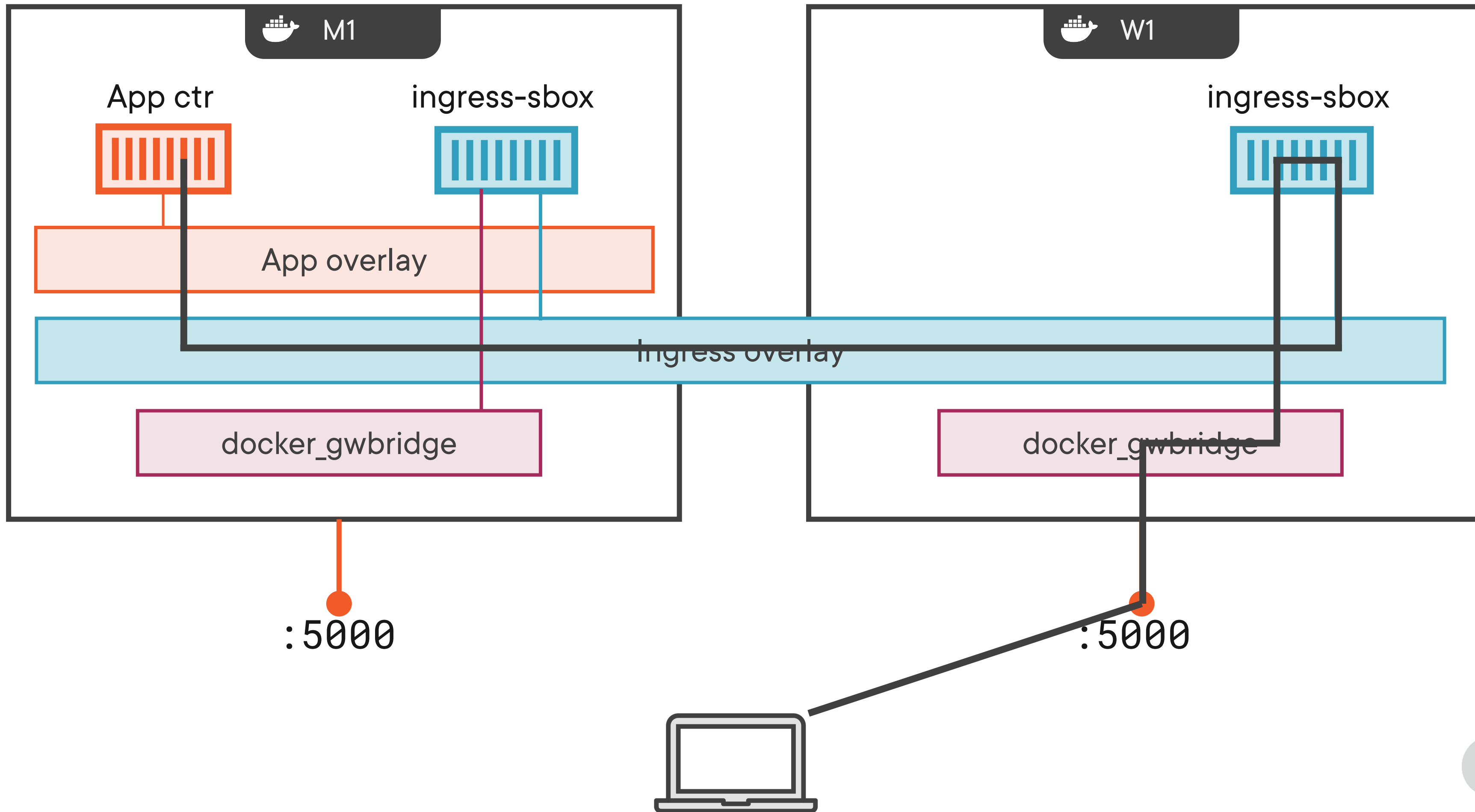








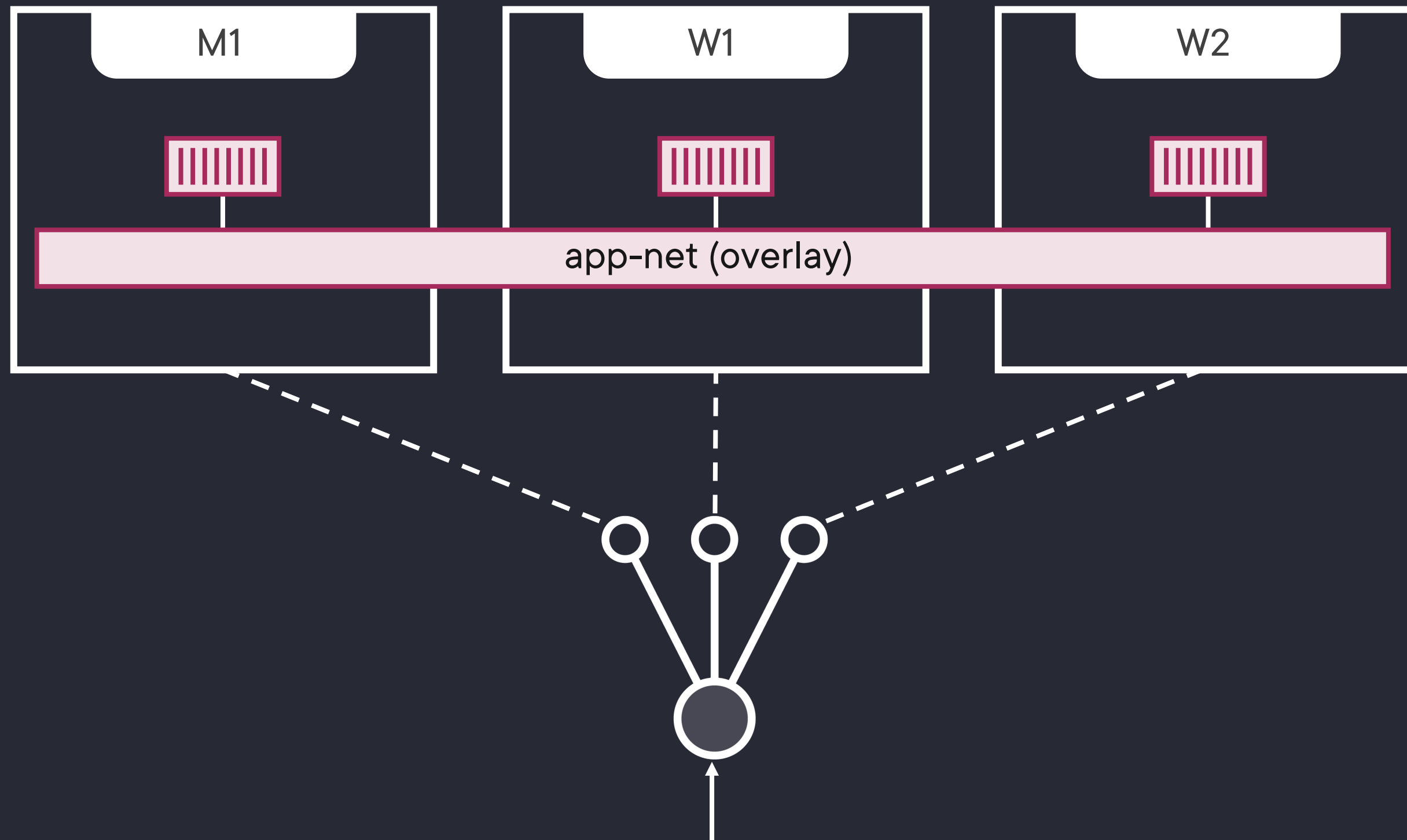




Up Next:  
Hands-on with Ingress

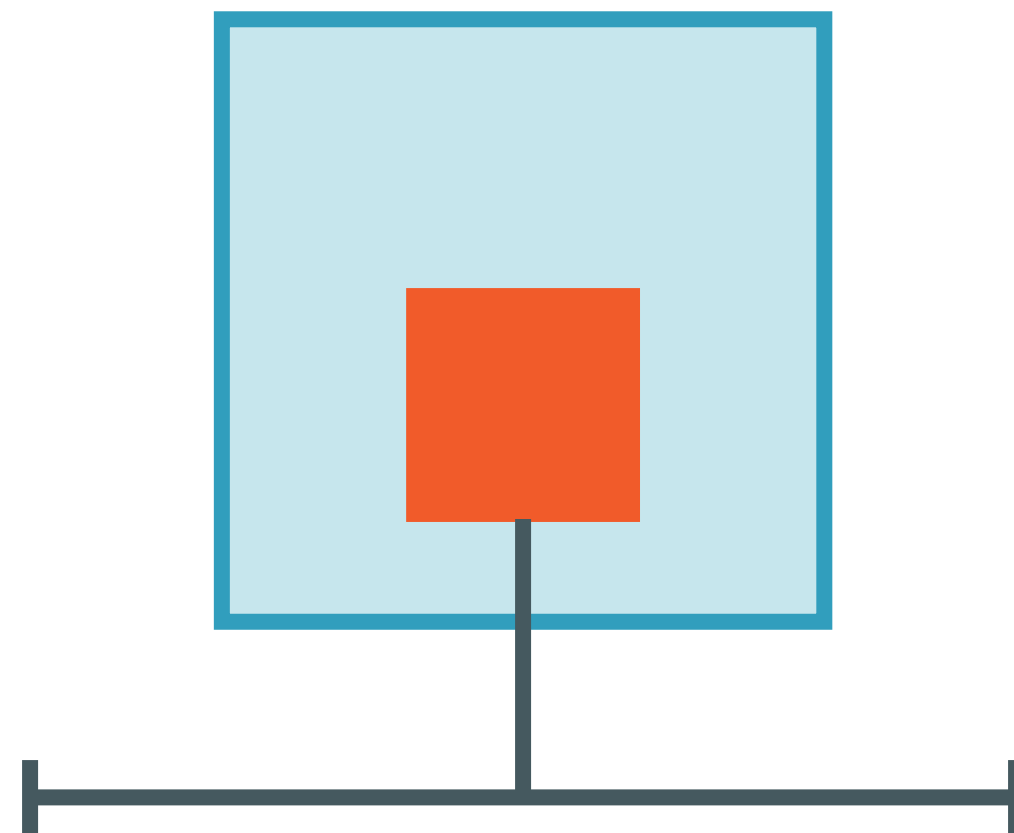
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# Recap

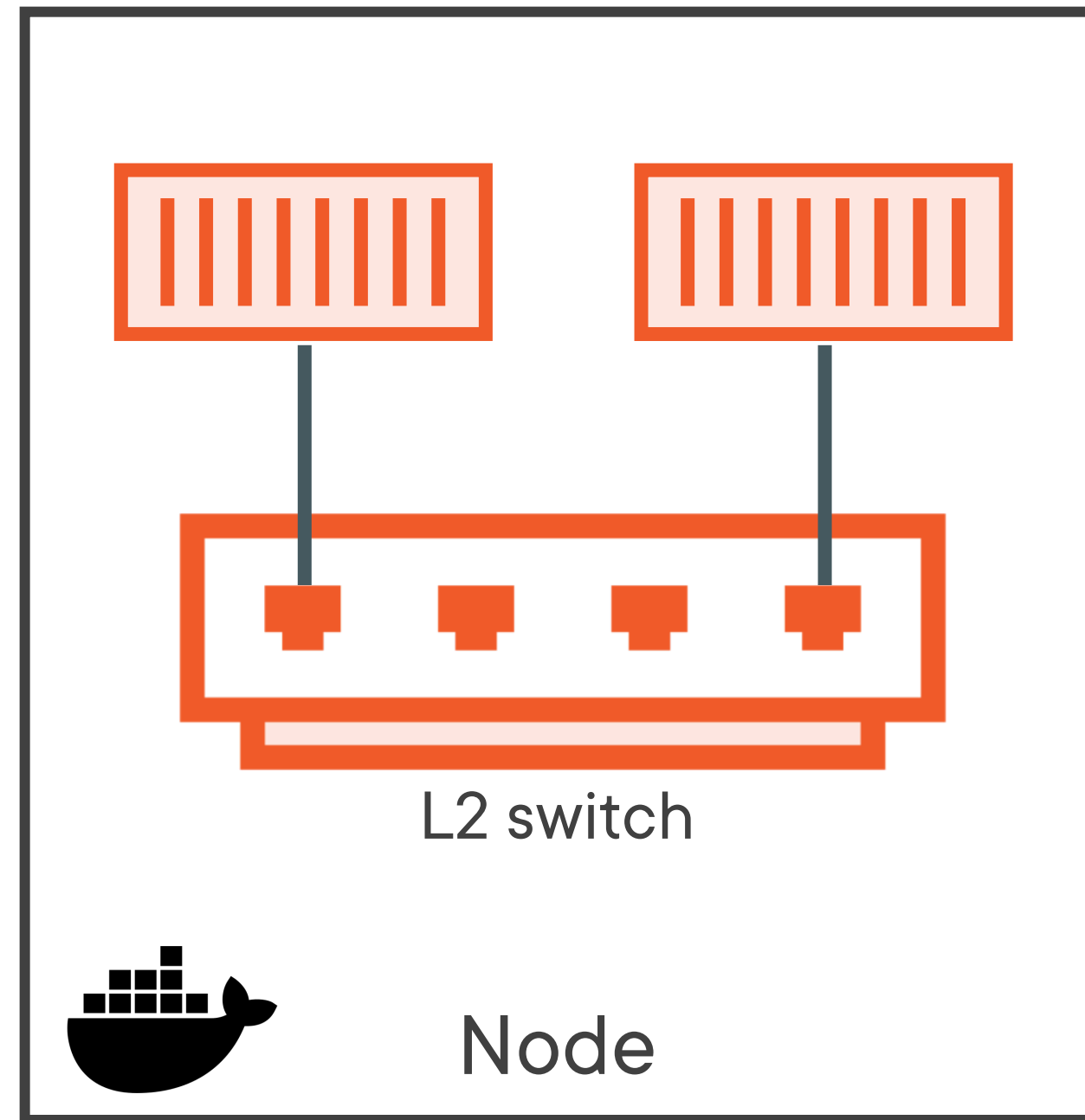




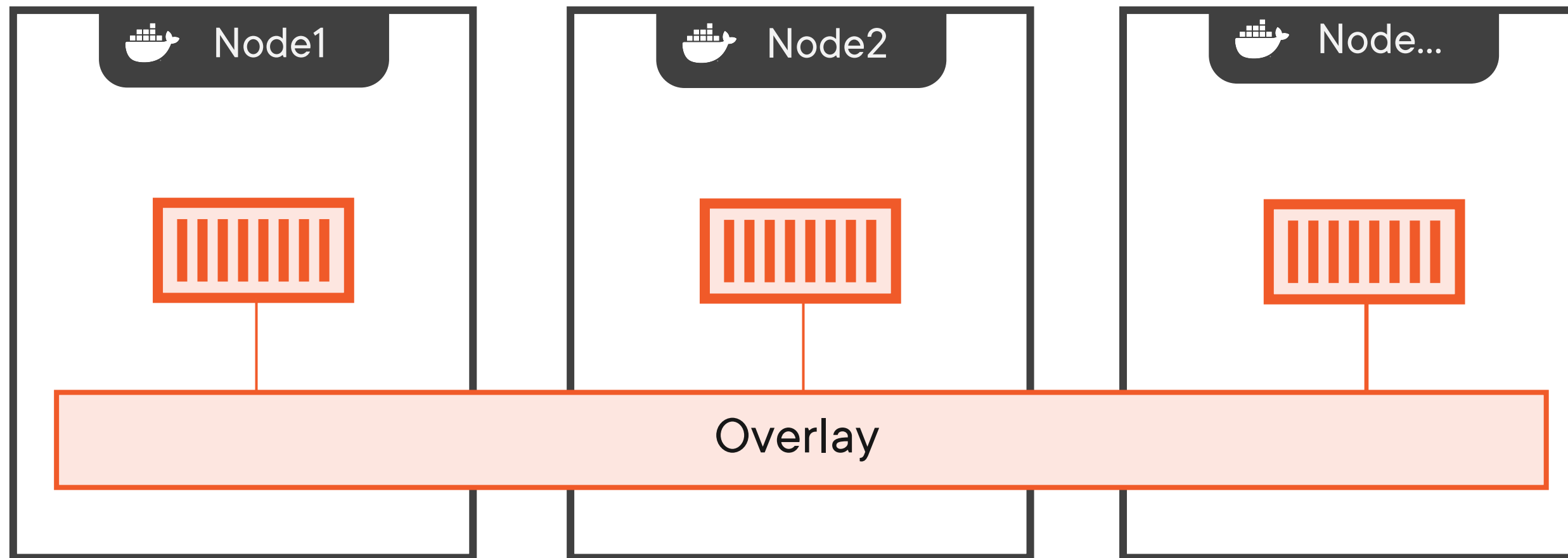
**CNM**  
Design spec



**Plugins**  
Network topologies

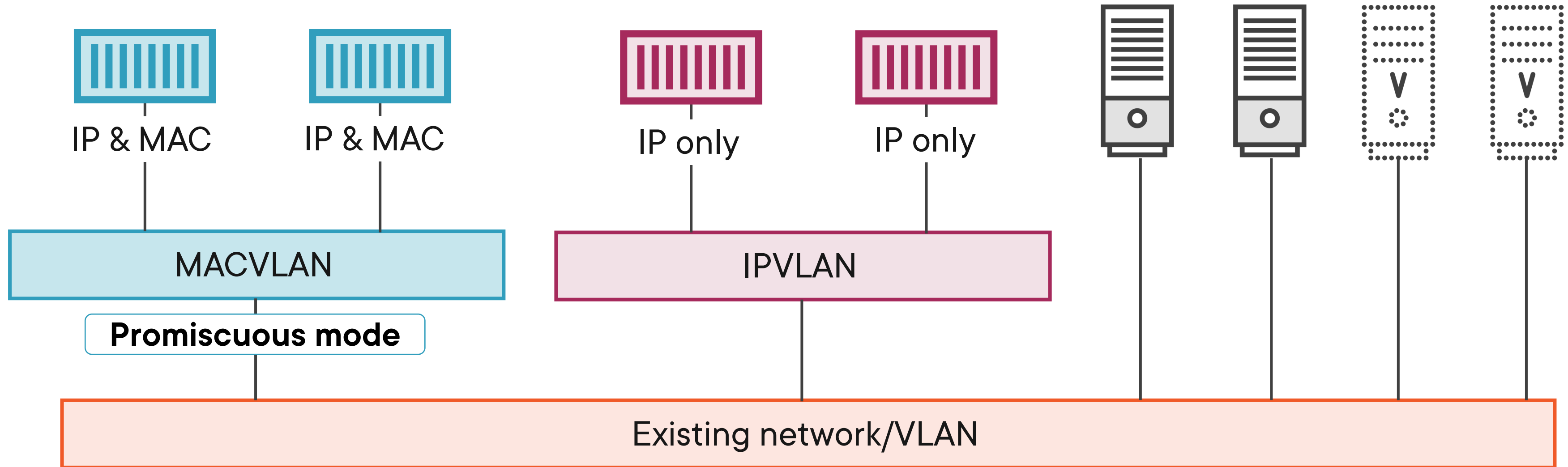


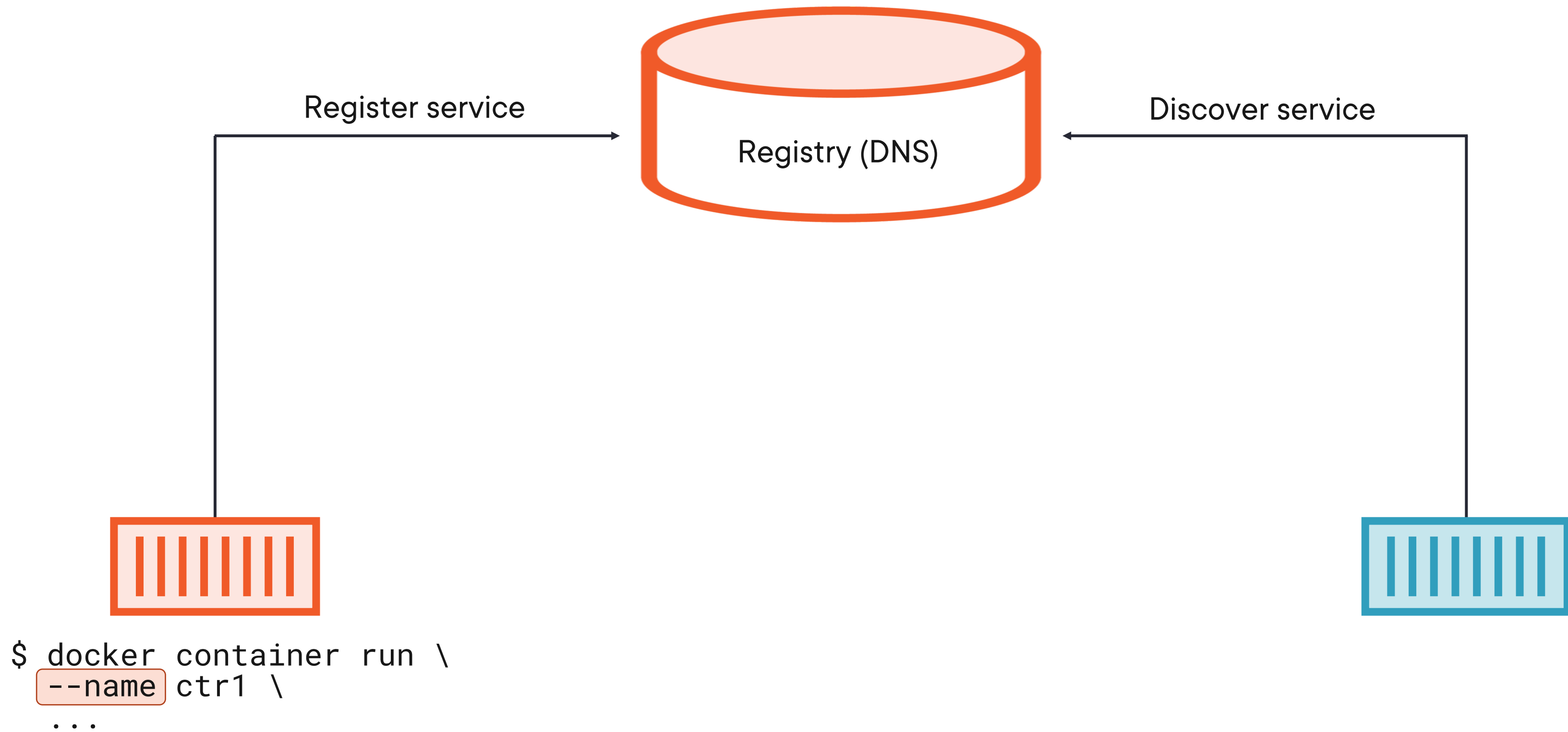


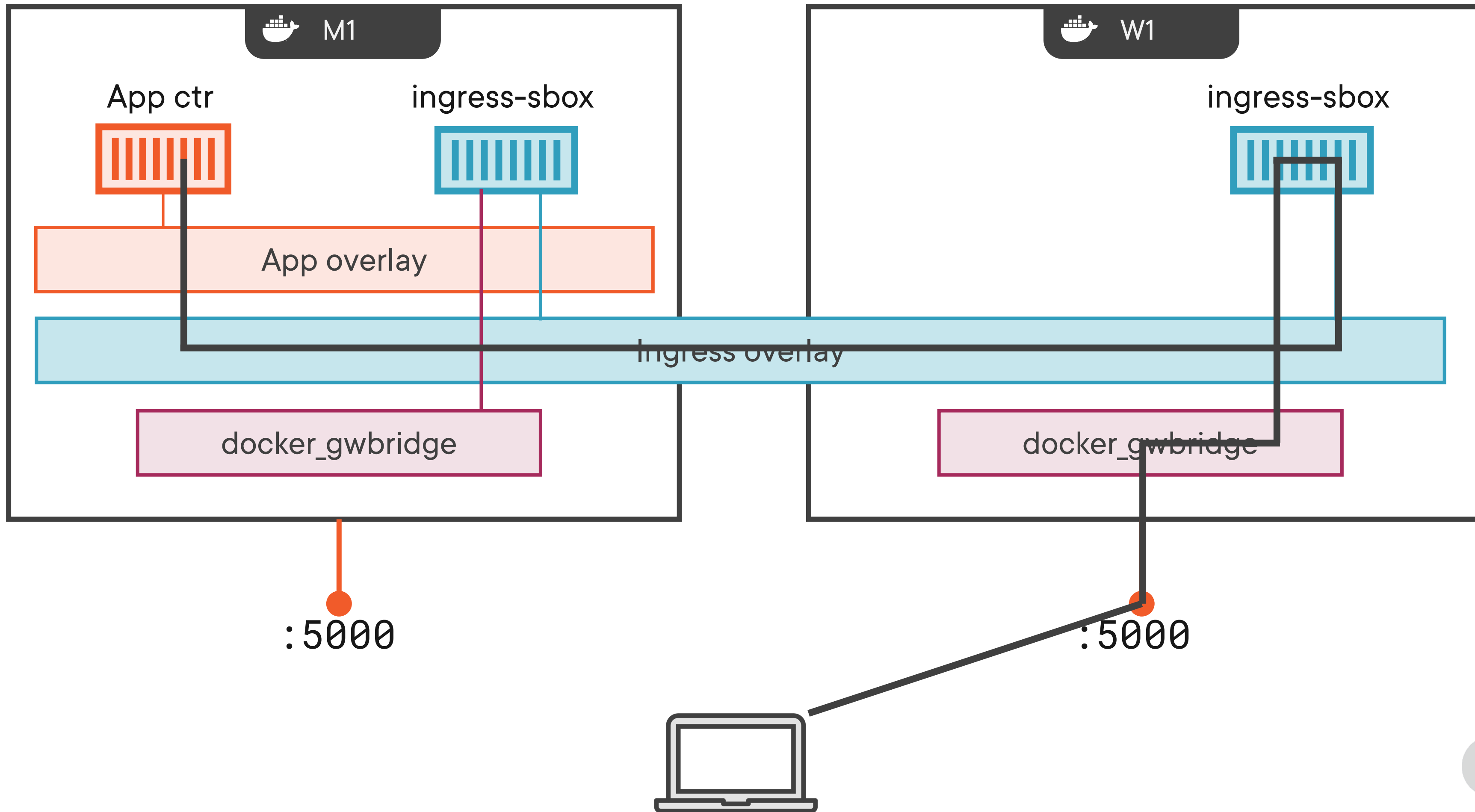


\* Requires Swarm Mode





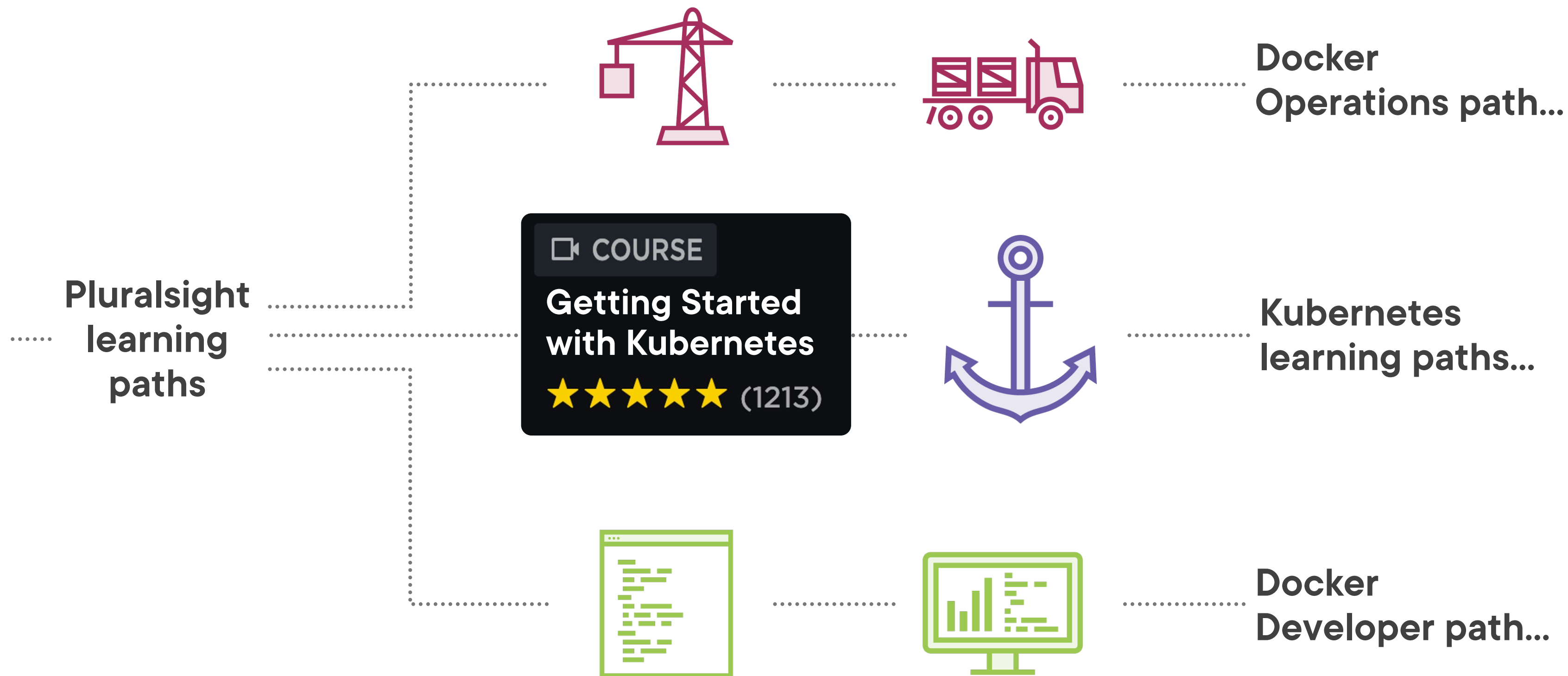






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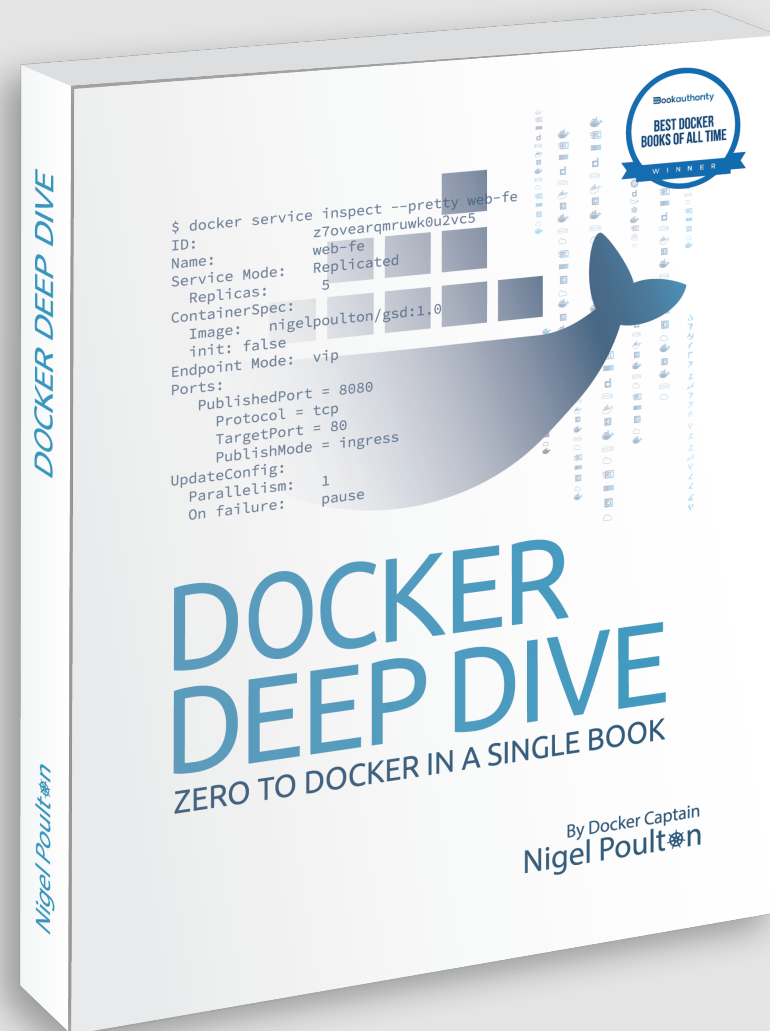




\* Docker & Kubernetes: The Big Picture



## Books



## Meetups & events

- In-person
- Online
- Hybrid

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