Application Mobility in True Hybrid Cloud

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speaker:
  name: Hendrik Land
  job: Enterprise Infrastructure Architect
  company:
    name: NetApp
    mission:>
      Be the data authority
      for hybrid cloud
...
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Who am I?

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What do we need for true hybrid cloud?

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What do we need for true hybrid cloud?

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Why Container & Kubernetes?

- Container decouple app from OS
- Container are portable
- Focus on applications, not infrastructure
- Container lifecycle is suitable for app mobility
- Registries for image lifecycle
- Container enable consistent deployments
- Kubernetes has won the container orchestration war
- Kubernetes is the operating system for cloud apps

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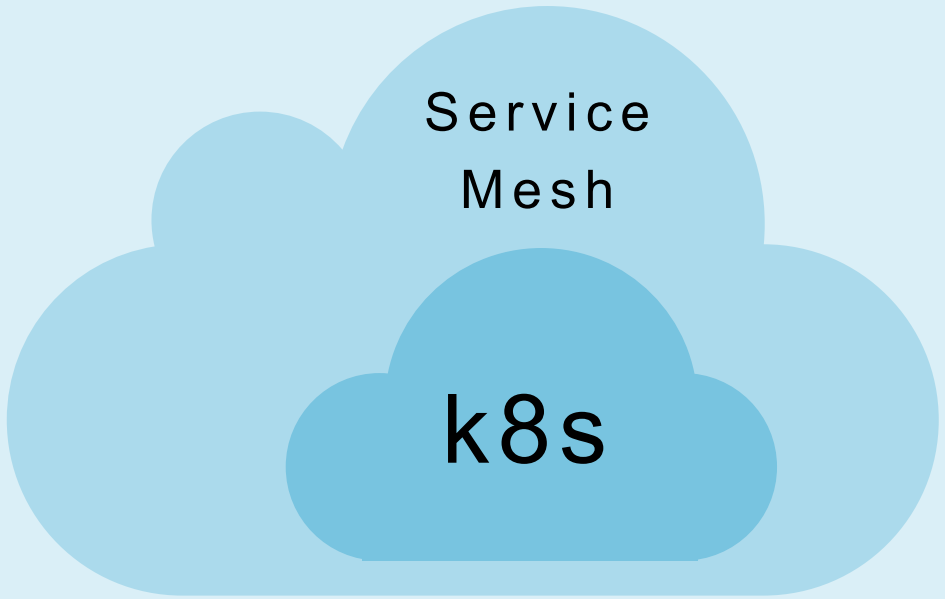

What do we need for true hybrid cloud?

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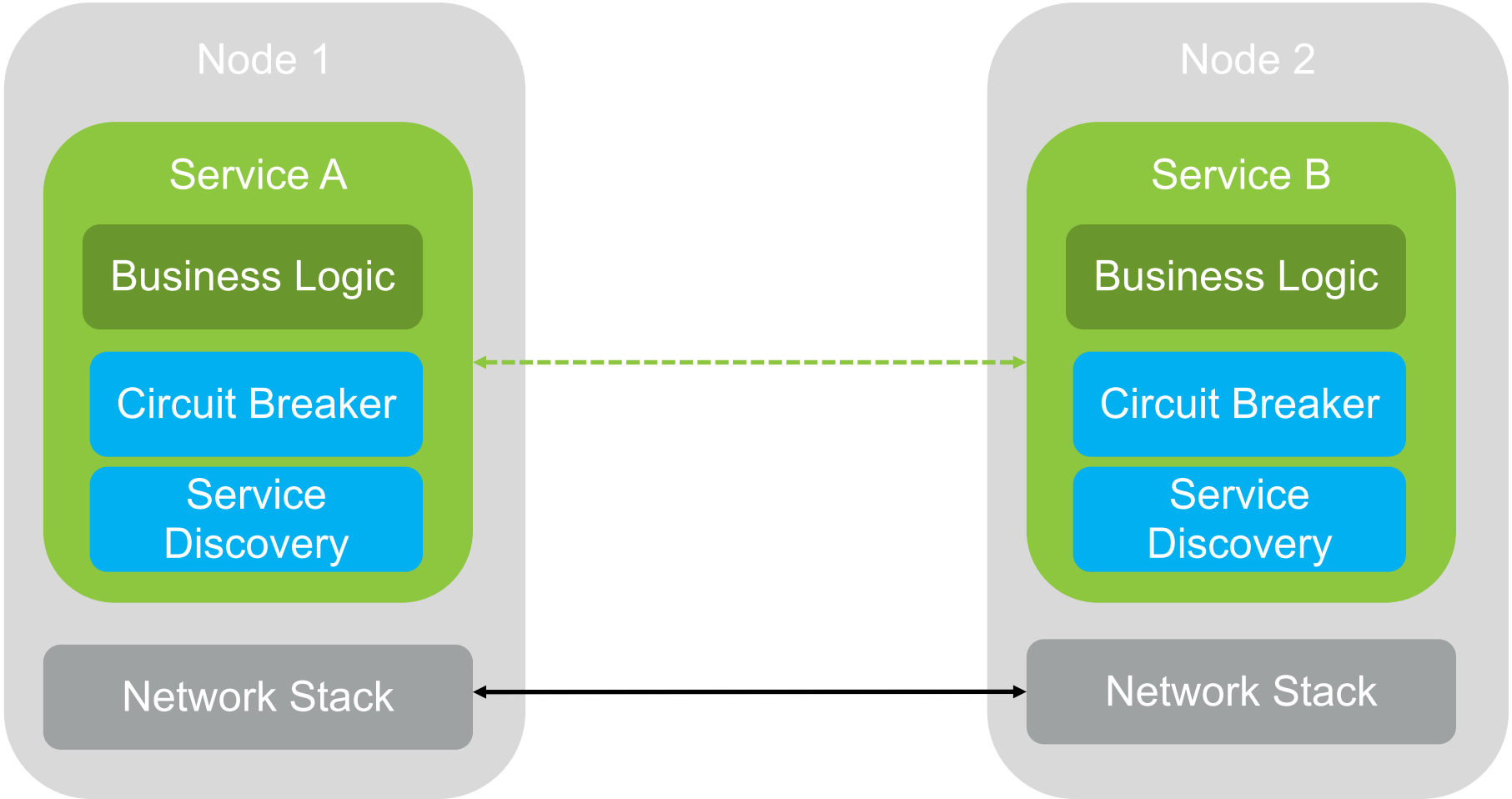
The evolution of microservices



The 8 Fallacies of Distributed Computing

1. The network is reliable
2. Latency is zero
3. Bandwidth is infinite
4. The network is secure
5. Topology doesn‘t change
6. There is one administrator
7. Transport cost is zero
8. The network is homogeneous

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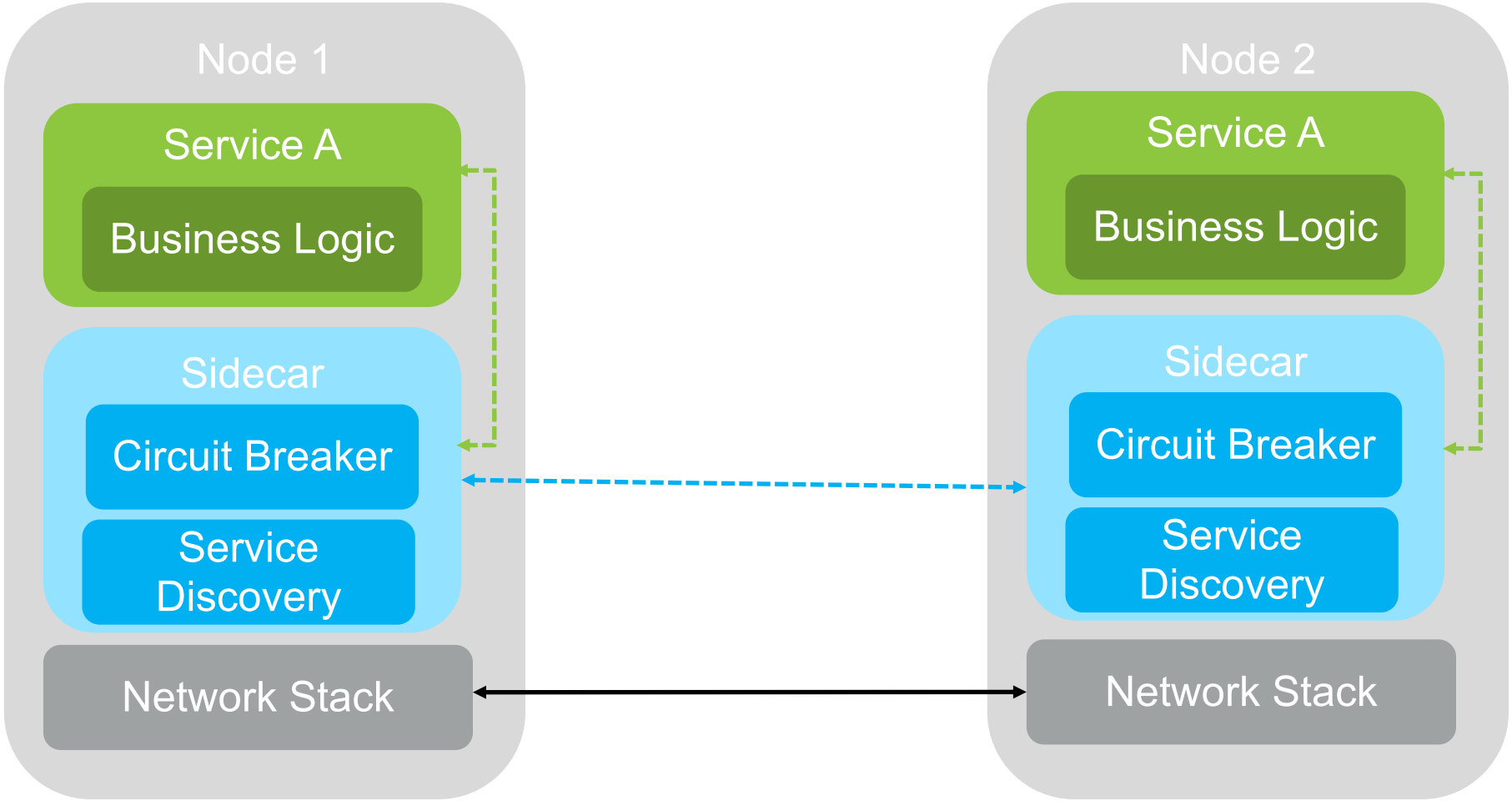
The evolution of microservices - Sidecar



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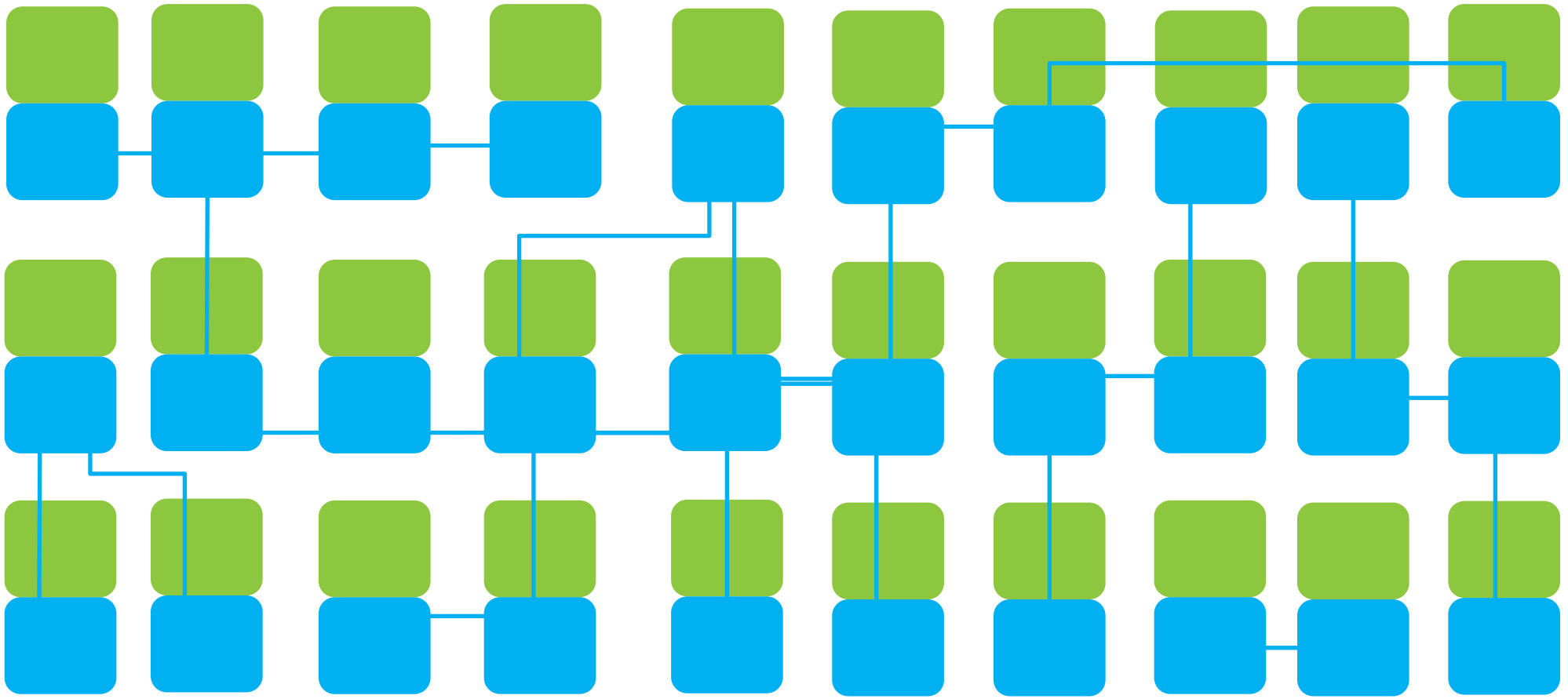
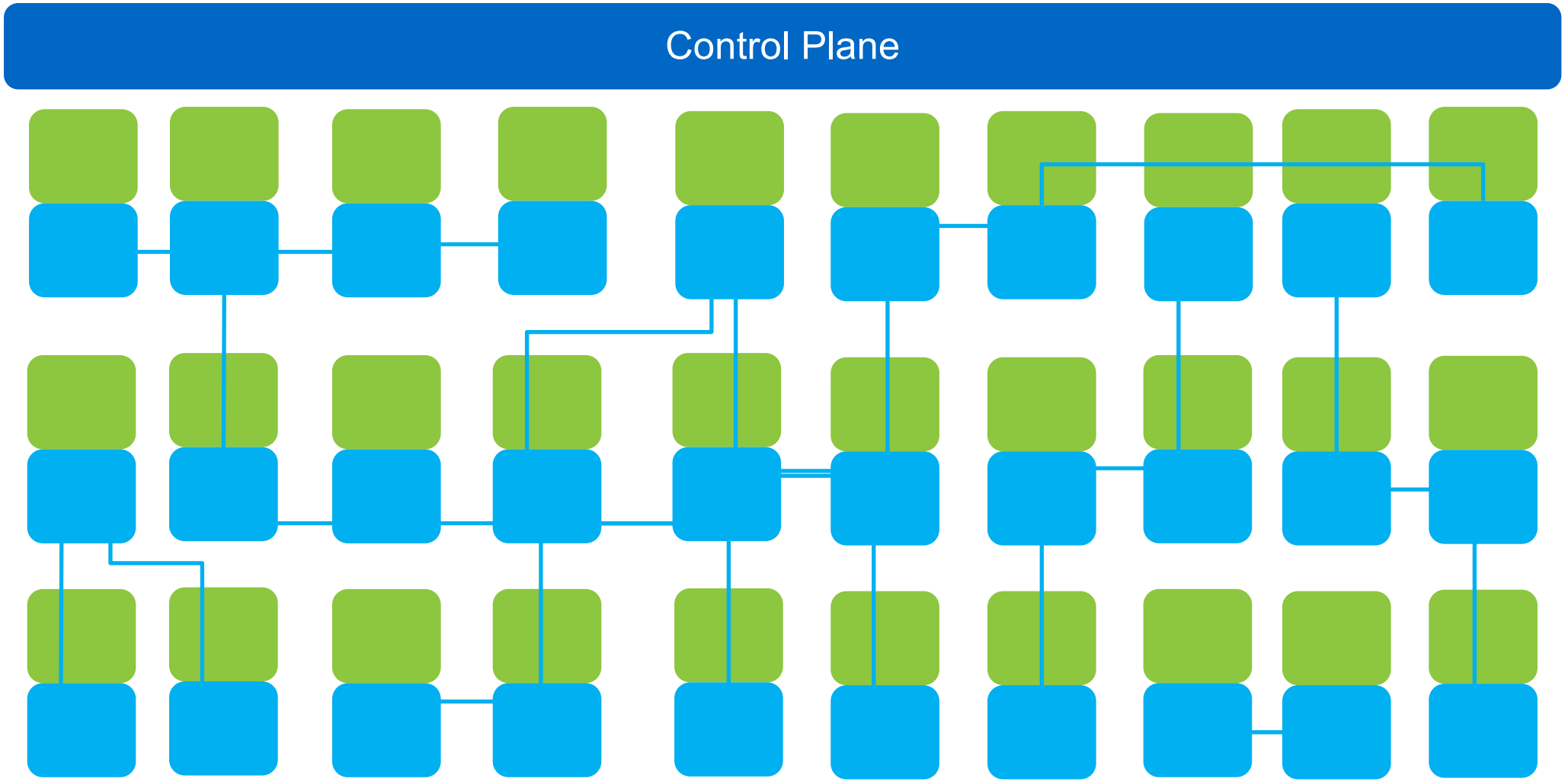
The evolution of microservices – Service Mesh



The evolution of microservices – Control Plane



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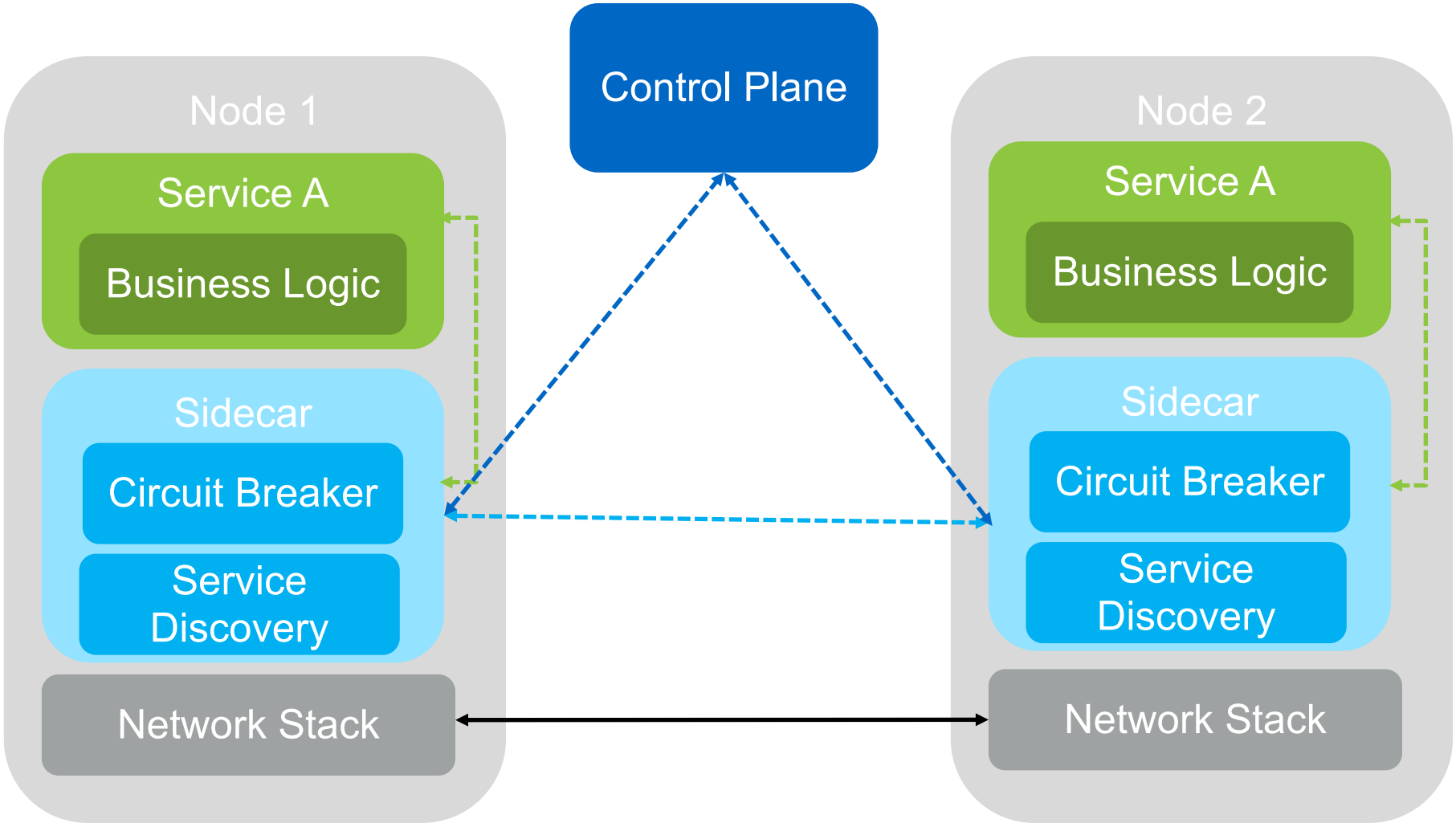
The evolution of microservices – Service Mesh Control Plane



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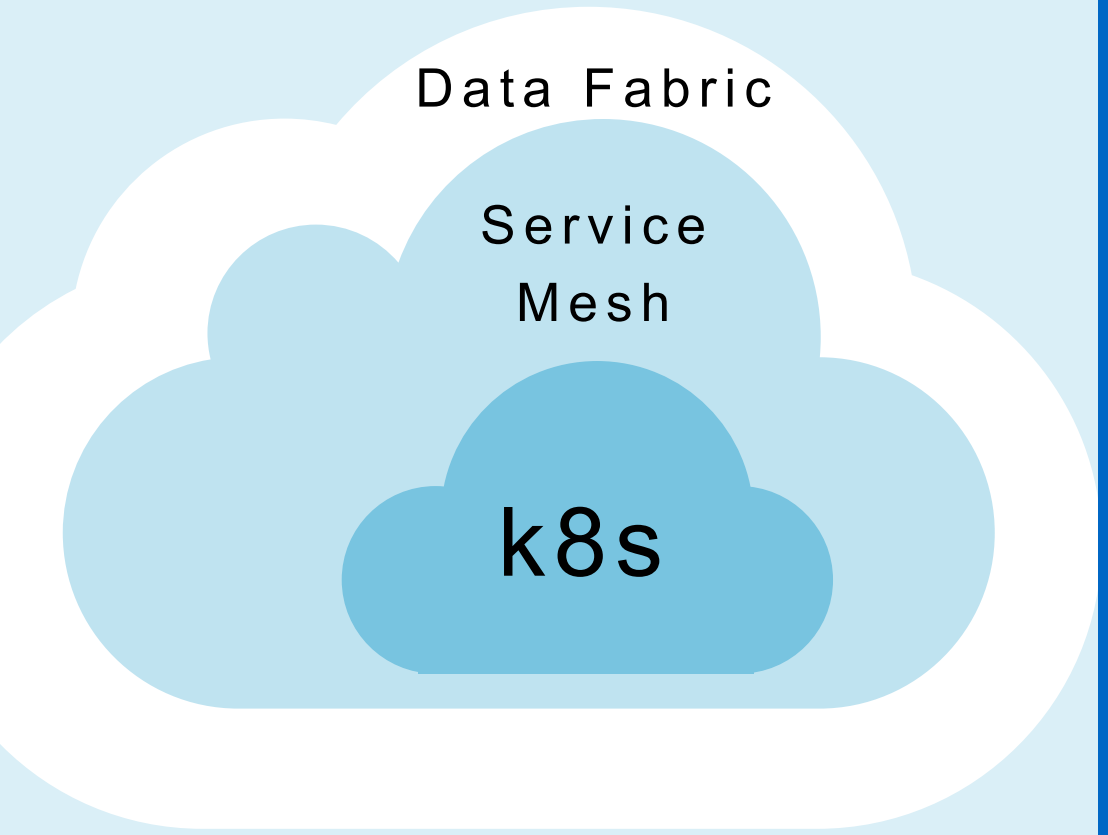

What do we need for true hybrid cloud?

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Why Data Fabric?

- Not all containers are really stateless
- Data is the new gold
- Data gravity limits application mobility
- Data needs to move with the application
- Data needs Metadata
- Data needs SLAs
- Hybrid Cloud needs a common data management plane

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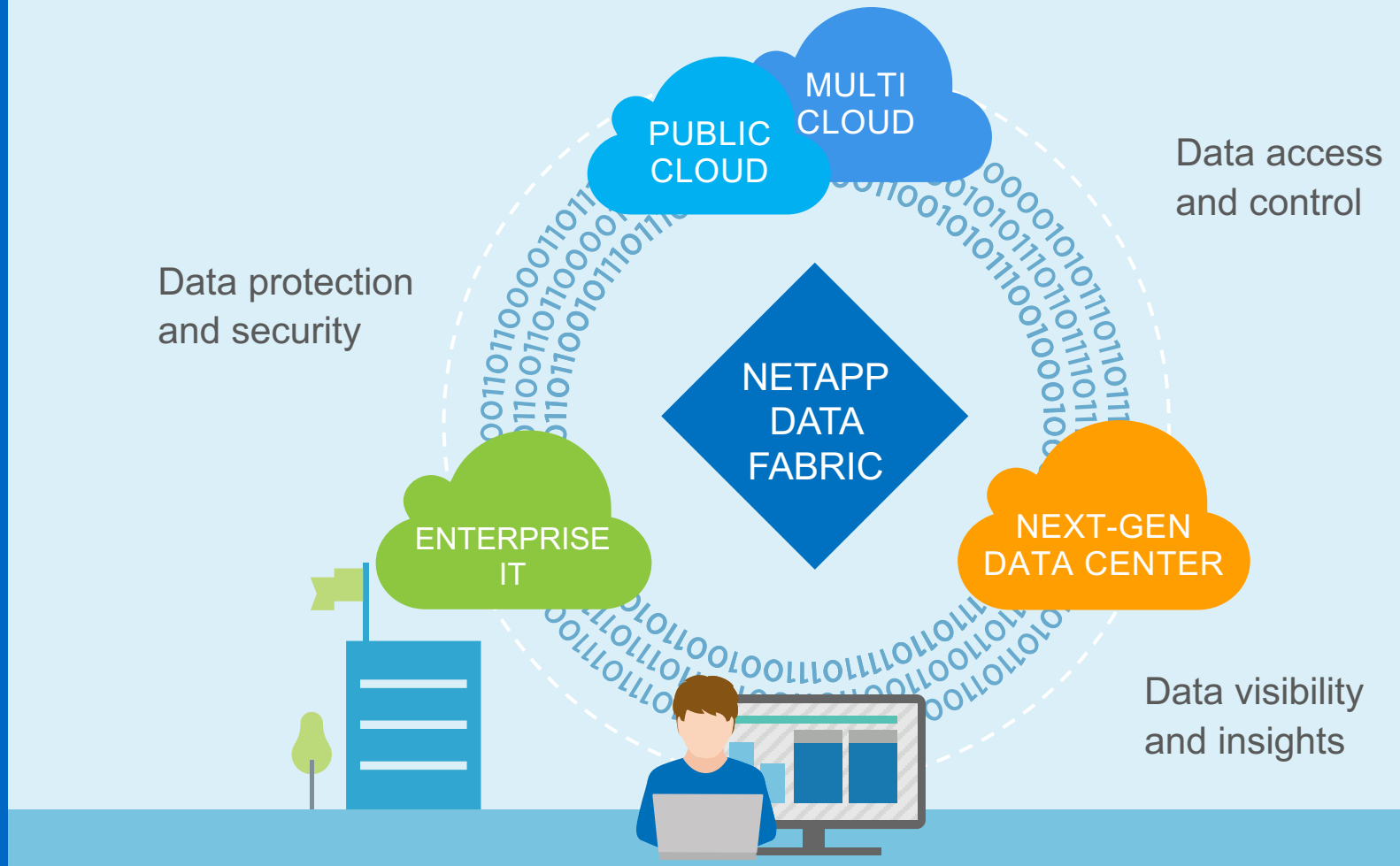
Data Fabric Services



Simplifies and integrates data management

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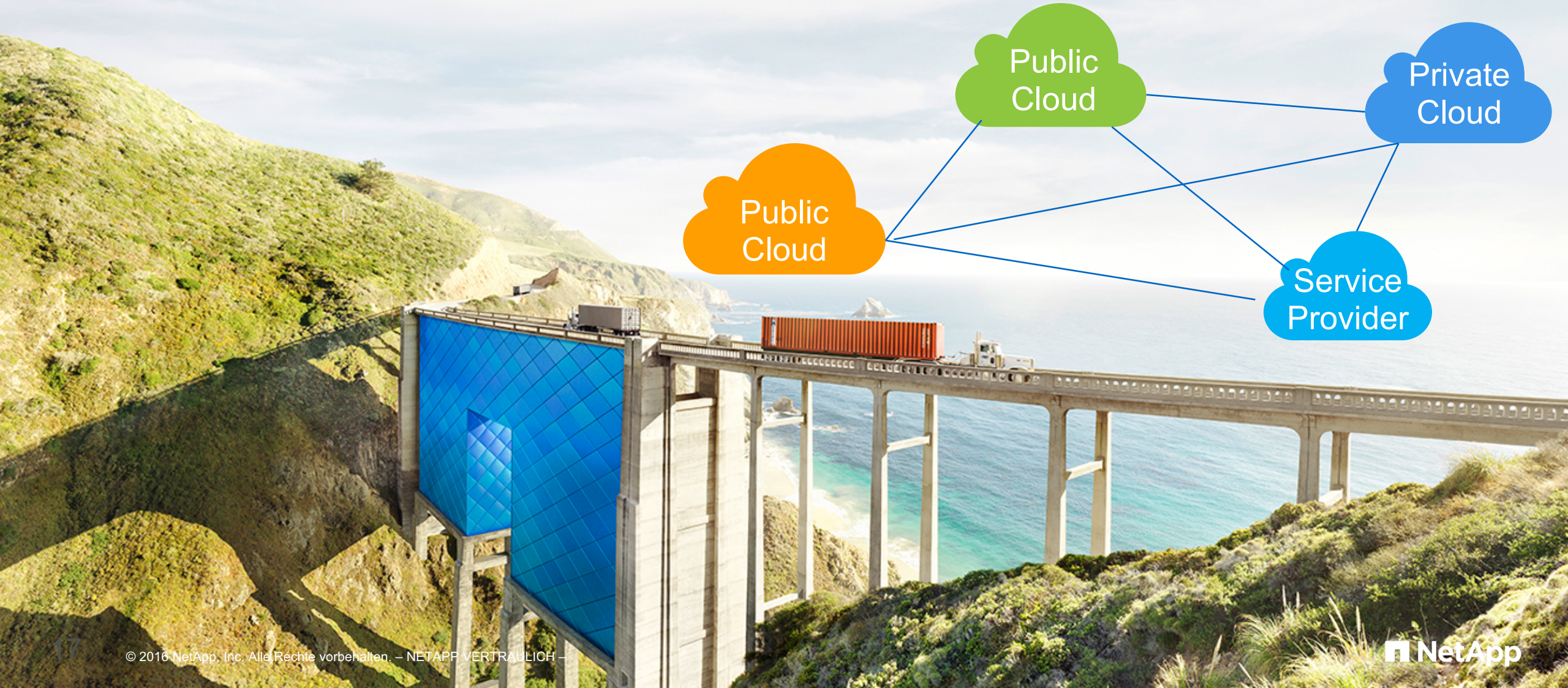
Application Mobility in True Hybrid Cloud

Container, Service Mesh and Data Fabric to the rescue



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