Automation Compositions Model Driven Life Cycle Management for R-Apps in the Cloud

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What is an Automation Composition?

Containers and Metadata…. Everywhere…..

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OPEN NETWORK AUTOMATION PLATFORM

….but not an App in sight!

….ACM allows you to **Manage your Apps**

Where is my App?

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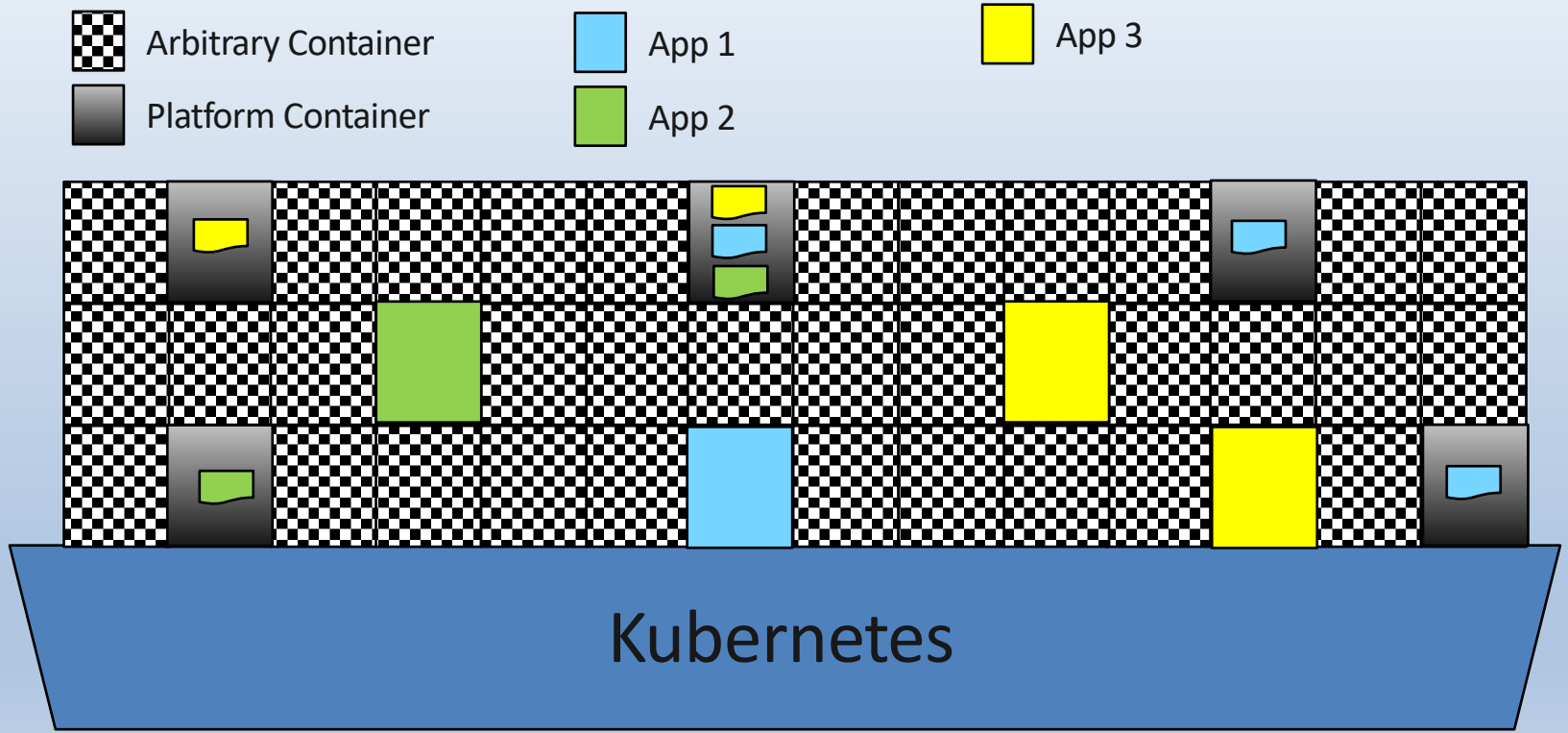

Helm just installs and uninstalls the containers

Microservices and Metadata delivering features

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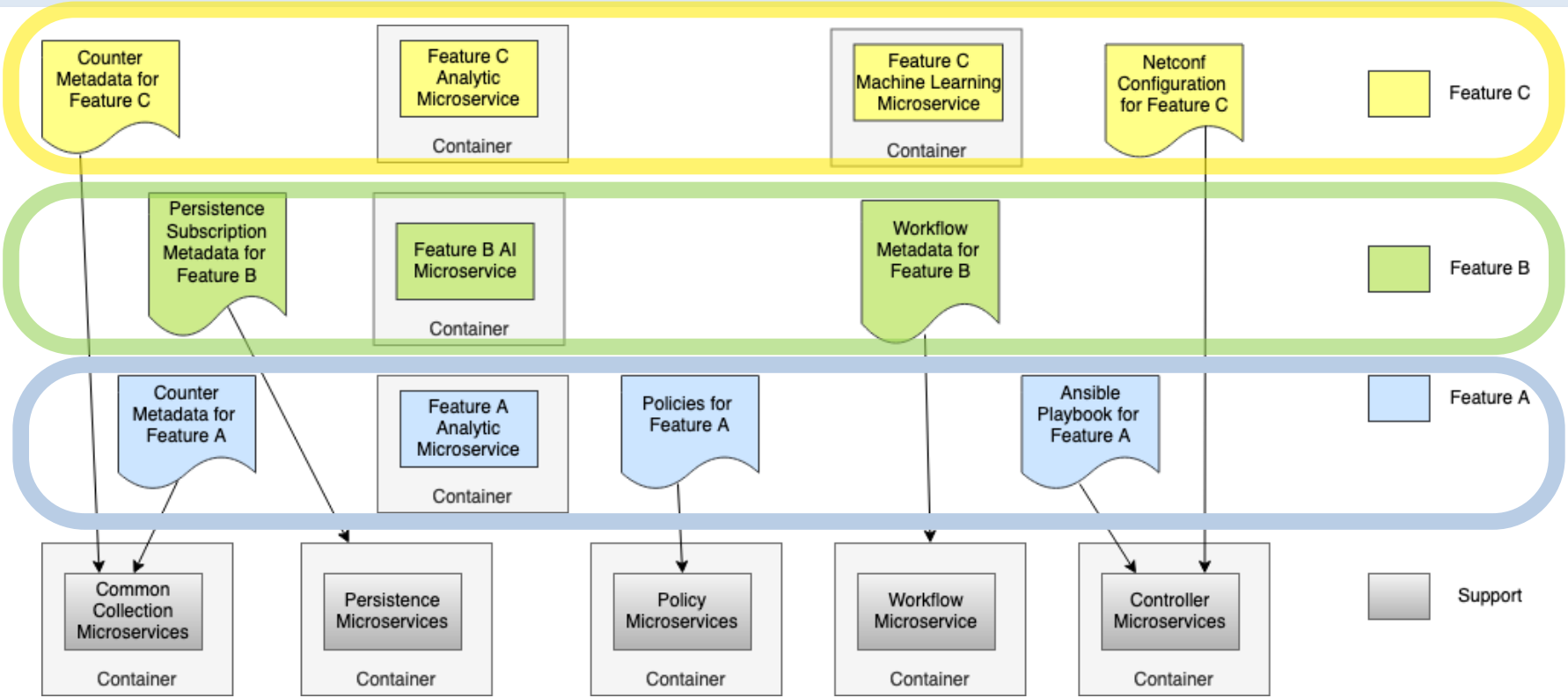

Automation Compositions

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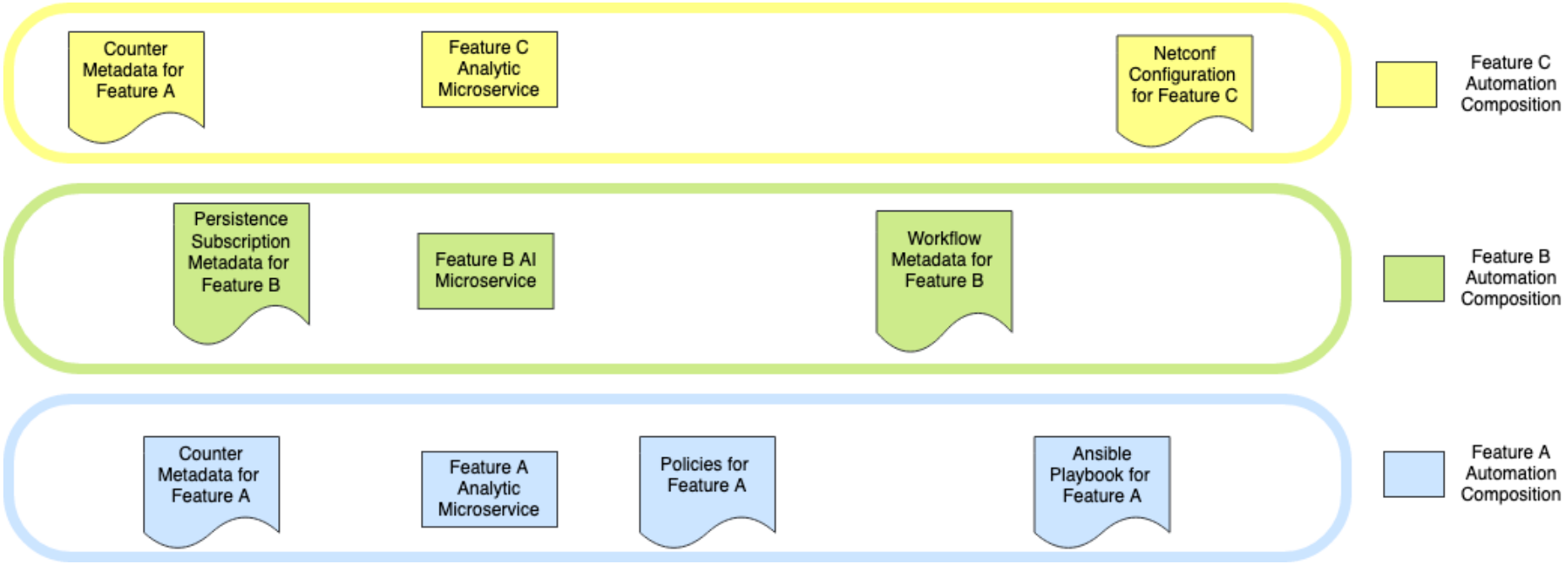

Groups the microservices and metadata for features together

How does an Automation Composition work?

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What is Supported?

- Defining Automation Compositions
- Automation Composition Commissioning and Decommissioning
- Set parameters on Automation Compositions
- Managing the Automation Composition life cycle
  - Instantiation
  - Status Monitoring
  - State Change
  - Removal

Automation Composition Management

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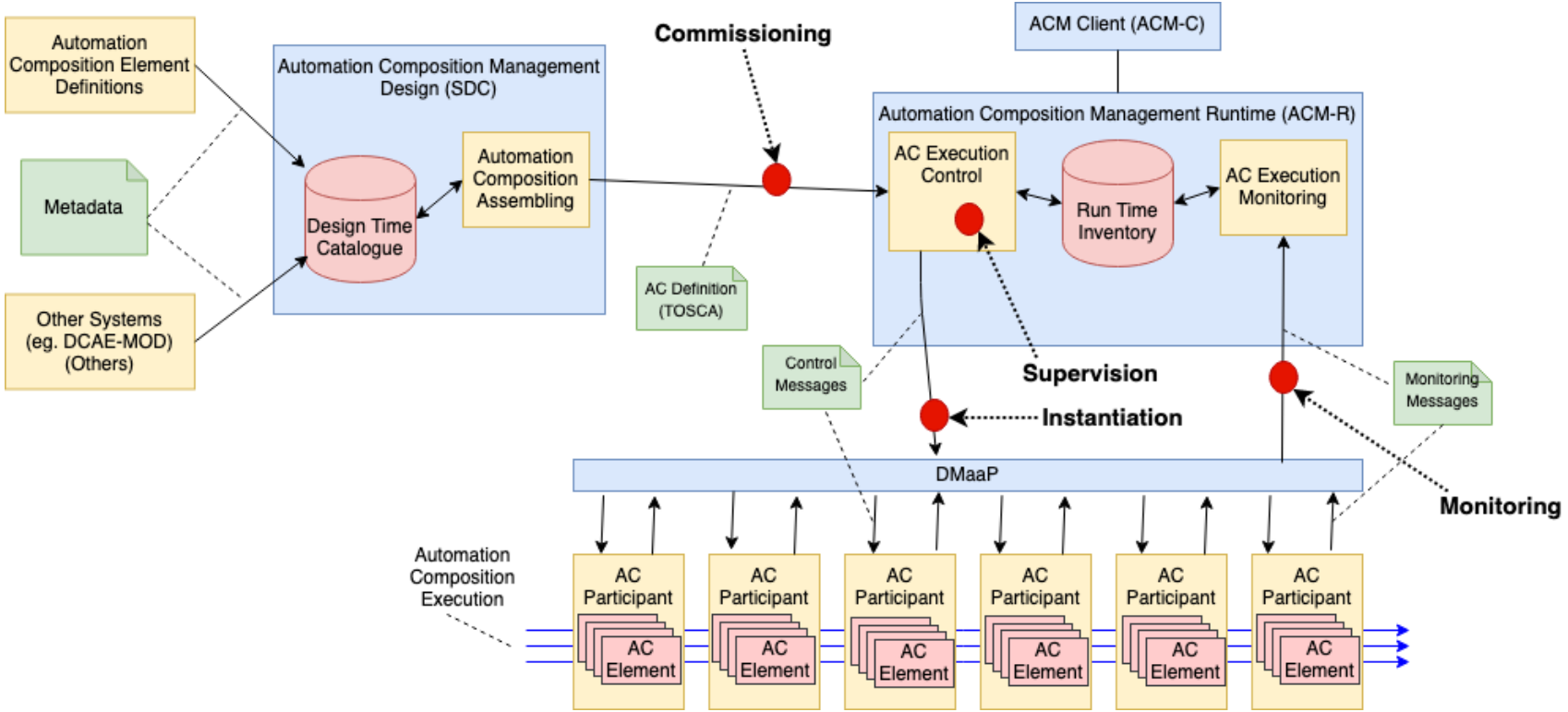

Lifecycle Management States in ACM

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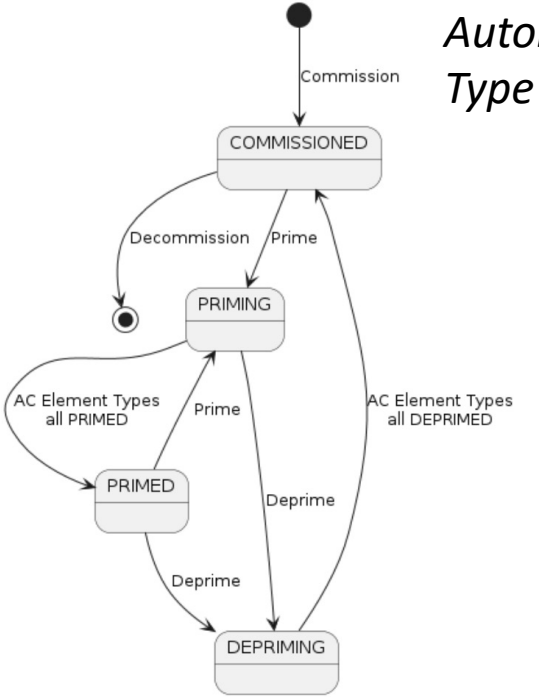
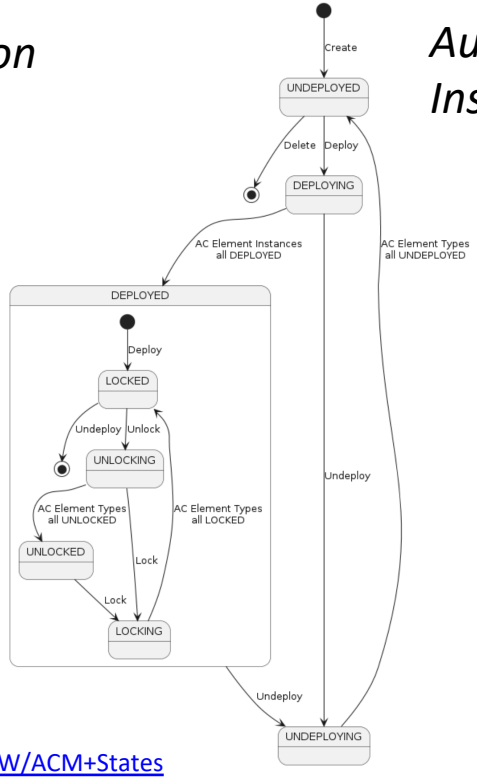
Automation Composition Type States



Automation Composition Instance States



See https://wiki.onap.org/display/DW/ACM+States

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The ACM Demo

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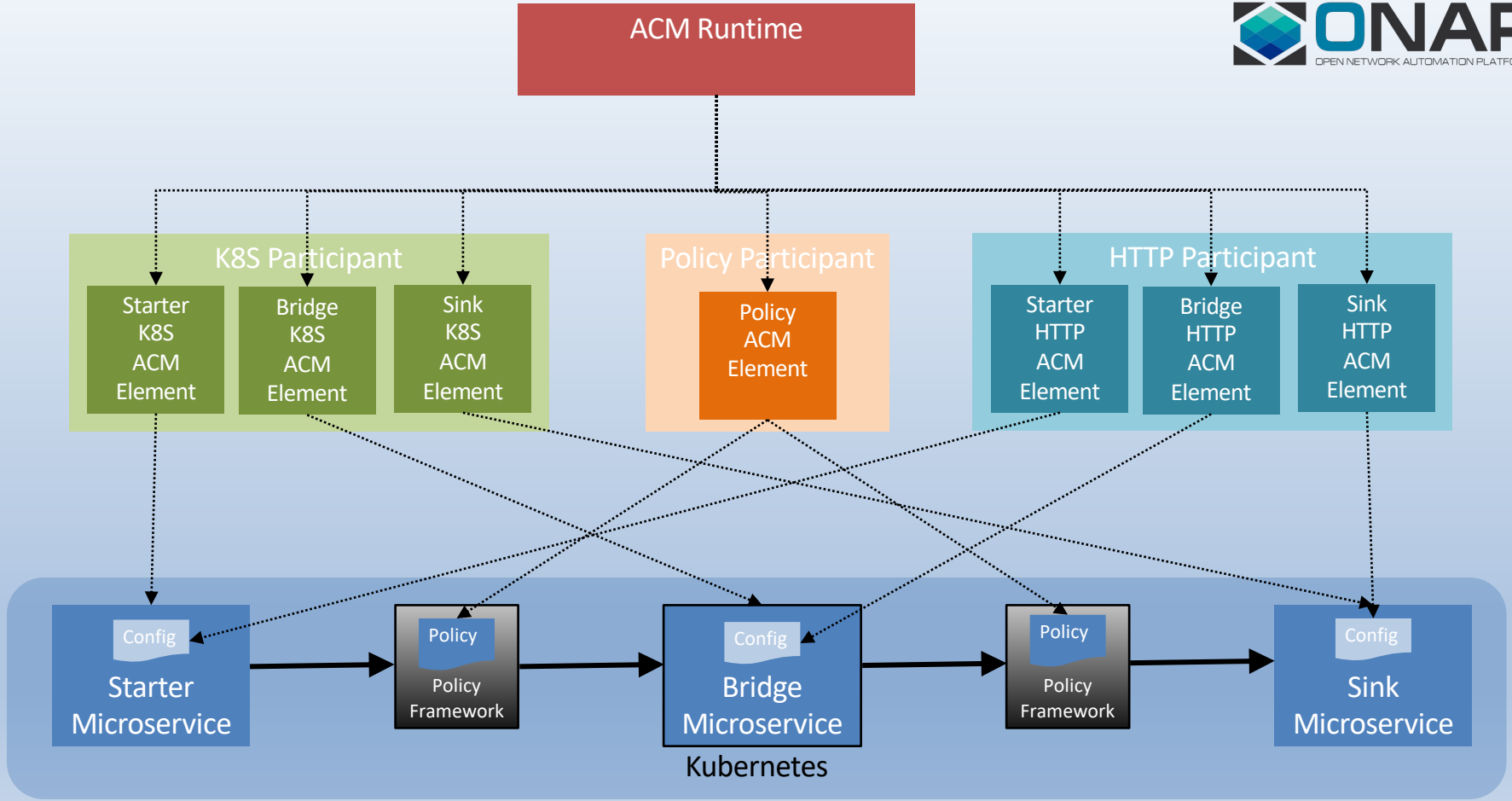

Demonstration Automation Composition Model

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Defined in TOSCA (YAML)

```
onap.policy.clamp.ac.element.AutomationCompositionDefinition:
     type: org.onap.policy.clamp.acm.AutomationComposition
     description: Automation composition for Demo
     properties:
       provider: ONAP
       elements:
         - name: onap.policy.clamp.ac.element.Policy_AutomationCompositionElement
         - name: onap.policy.clamp.ac.element.K8S_StarterAutomationCompositionElement
         - name: onap.policy.clamp.ac.element.K8S_BridgeAutomationCompositionElement
         - name: onap.policy.clamp.ac.element.K8S_SinkAutomationCompositionElement
         - name: onap.policy.clamp.ac.element.Http_StarterAutomationCompositionElement
         - name: onap.policy.clamp.ac.element.Http_BridgeAutomationCompositionElement
         - name: onap.policy.clamp.ac.element.Http_SinkAutomationCompositionElement
```

Questions ?

Documentation at https://docs.onap.org/projects/onap-policy-paren/en/latest/clamp/clamp.html

Demo Recording at https://wiki.onap.org/display/DW/CLAMP+ACM+demo+for+Kohn+Release

Slack: The ”policy” channel on the ONAP Slack channel at https://onapproject.slack.com/

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