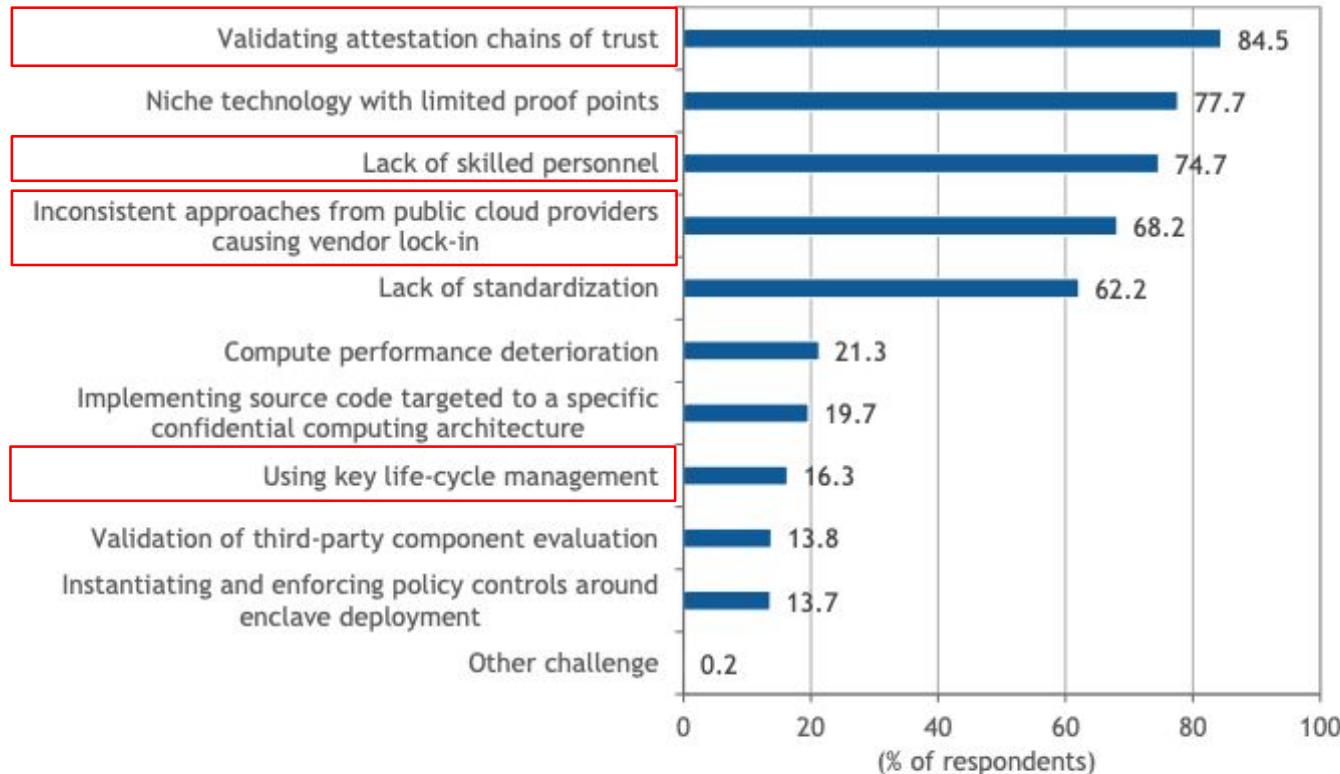


Trustee

A general purpose attestation verifier
and relying party services broker

Attestation is a Hurdle

Q. What are the key challenges or risks that you see in adopting confidential computing?



Trustee - Unified Attestation

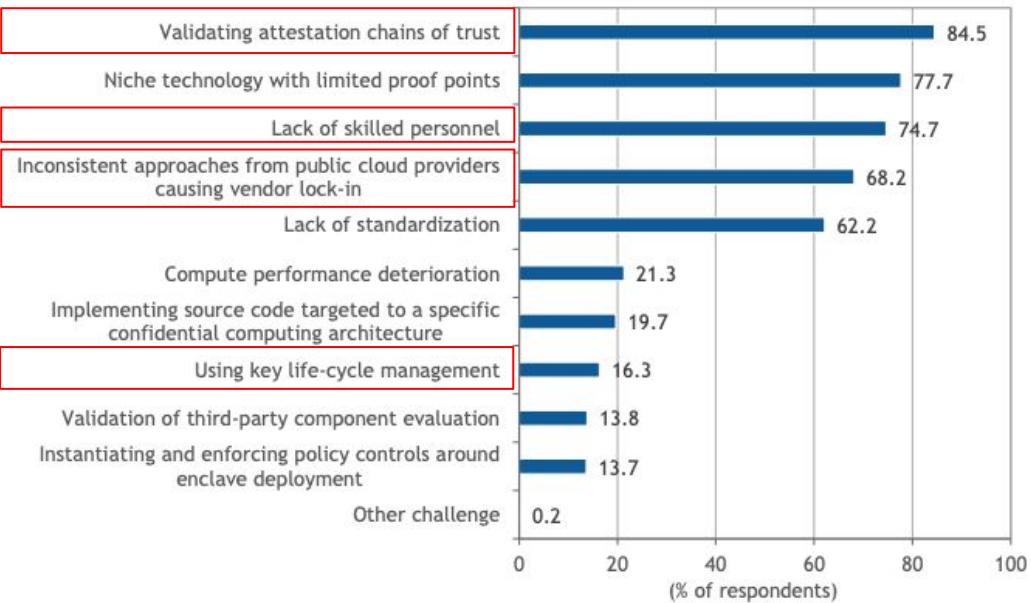
Trustee..

- Provides a **common attestation abstraction** and protocol
- Collaborates with CCC Projects **Veraison** and **Virtee**
- Supports **vendor verifiers** and even non-CC usages
- May fulfill CCC/WIMSE **workload identity** goals
- Customer-driven development

FIGURE 2

Challenges: Overcoming Adoption Hurdles

Q. What are the key challenges or risks that you see in adopting confidential computing?



n = 600

Source: IDC's Confidential Computing Study, July 2025

Customer driven development

Contributors and Adopters:

- Alibaba Cloud
- Edgeless Systems
- IBM
- Nanhulab
- KubeArmor
- Red Hat
- ByteDance
- Intel
- Switchboard
- JDCloud
- Kubermatic
- NVIDIA
- Azure



**CONFIDENTIAL
CONTAINERS**

Confidential Containers is an open source community working to enable cloud native confidential computing by leveraging Trusted Execution Environments to protect containers and data.

Confidential Containers was accepted to CNCF on March 8, 2022 at the **Sandbox** maturity level.

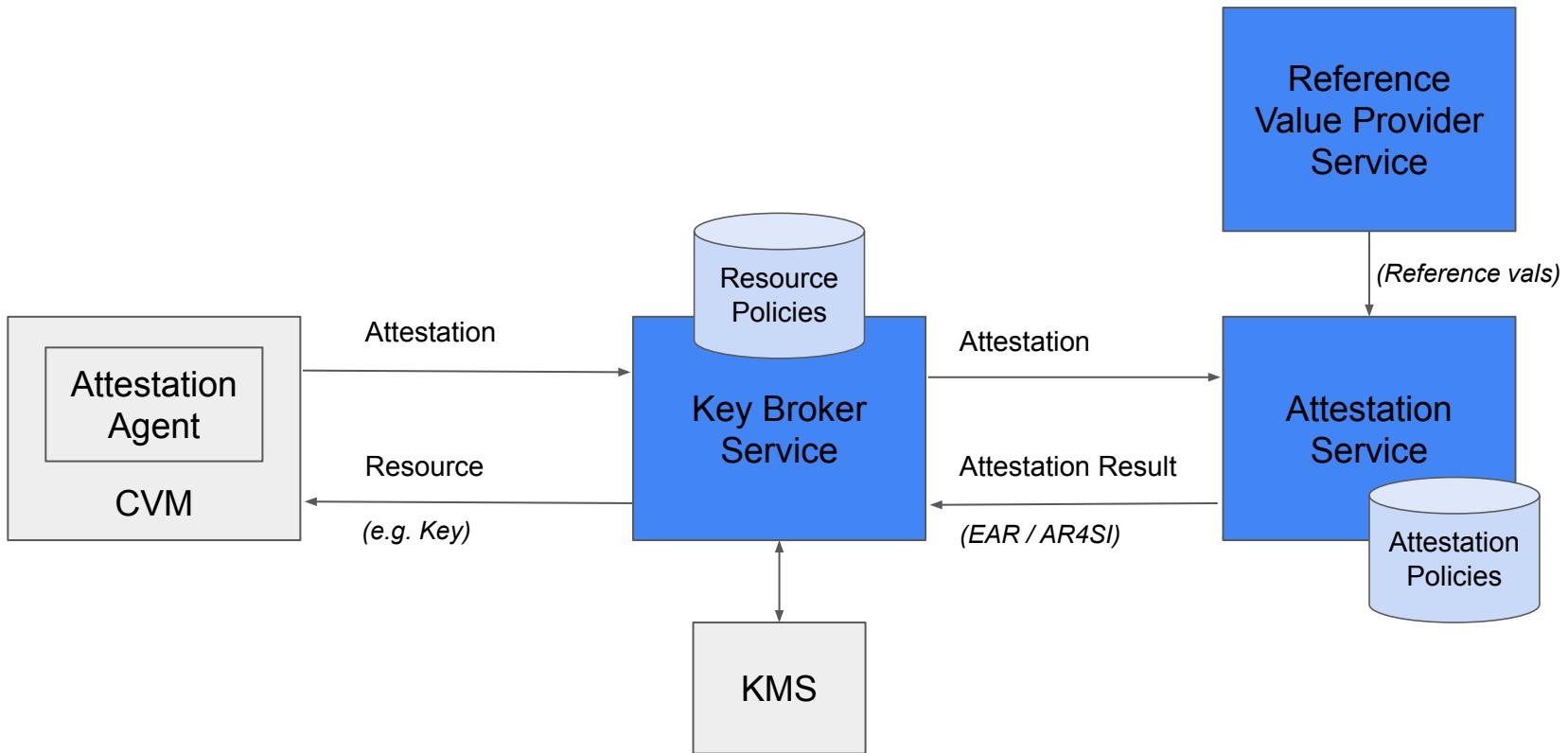
[VISIT PROJECT WEBSITE](#)

Launched in 2021, CNCF **Sandbox** Stage since 2022
Progressing to **Incubation** soon

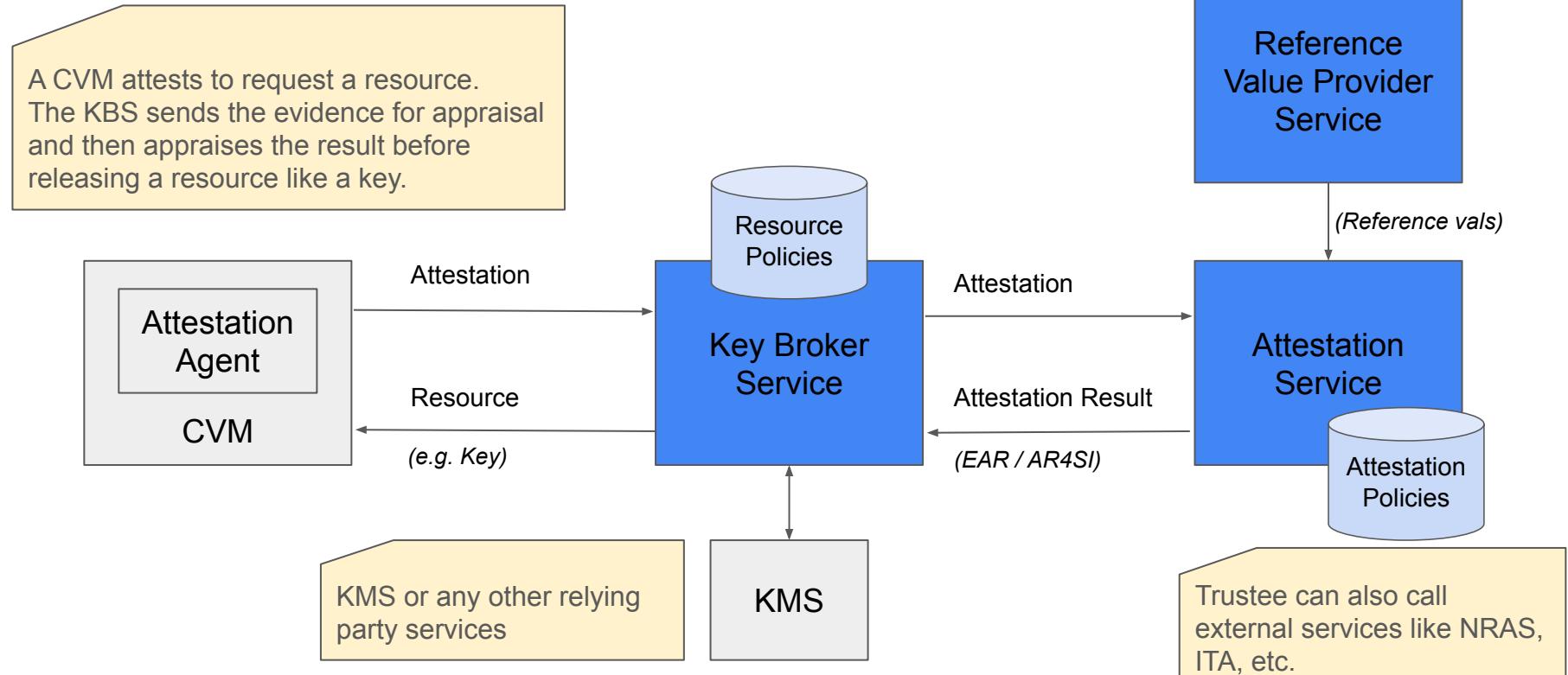
Trustee Architecture

(CoRIMs)

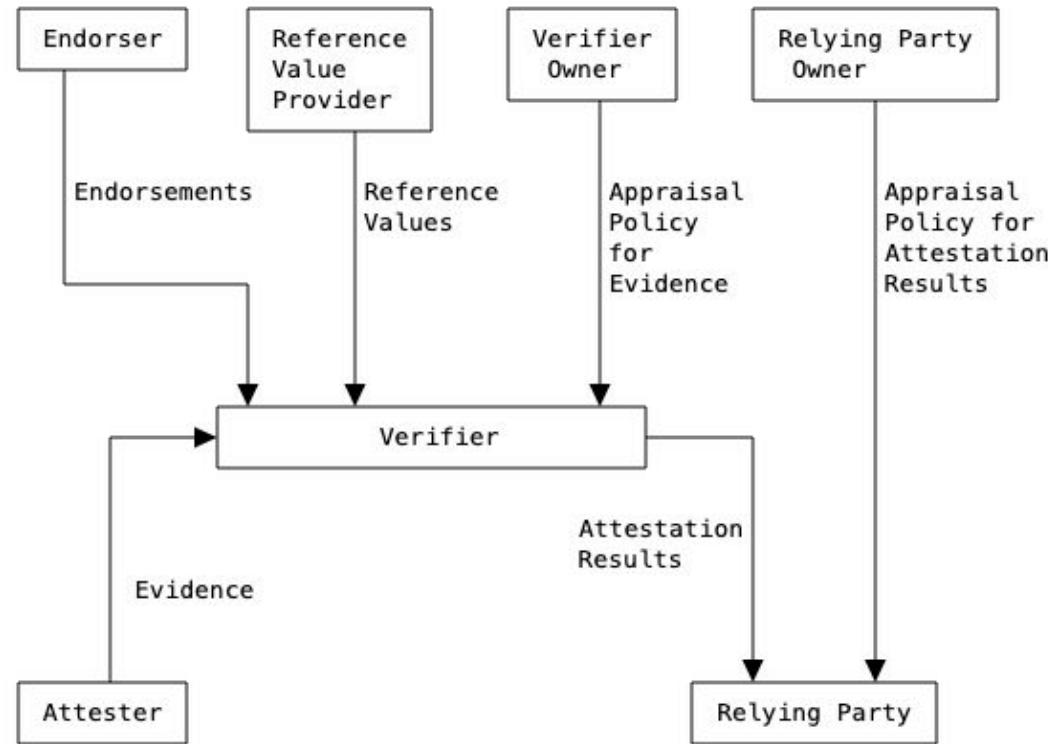


Trustee Architecture - end to end example

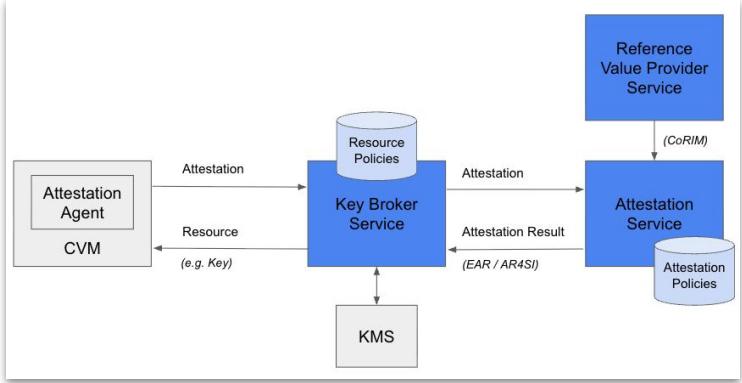
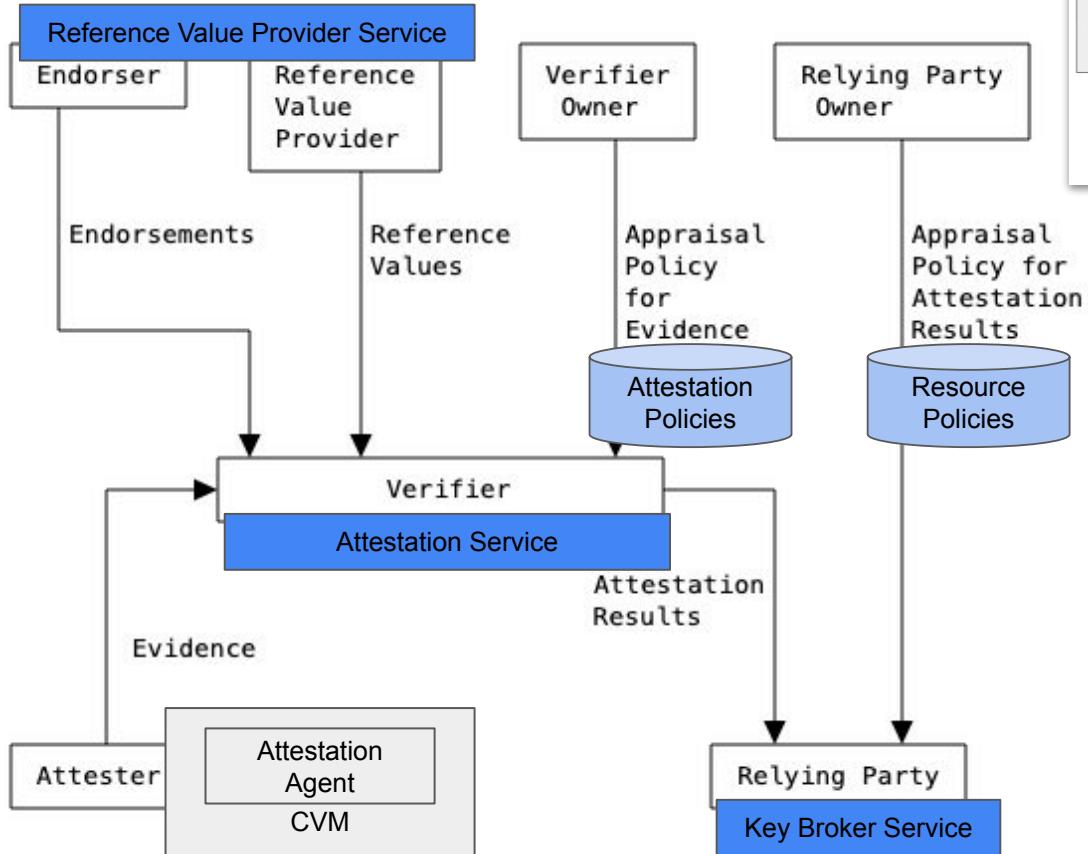
(CoRIMs)



RATS reminder

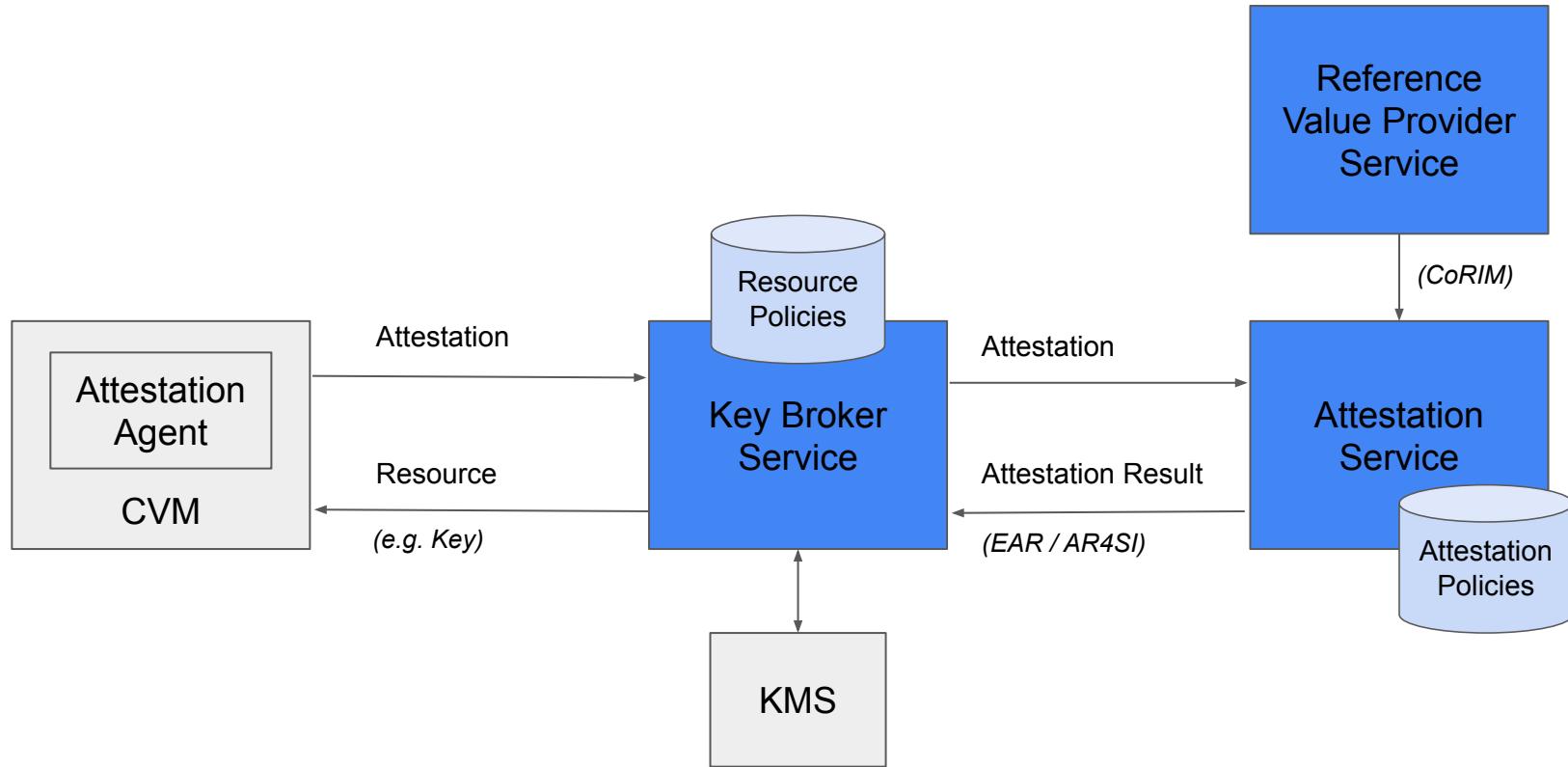


You Are Here

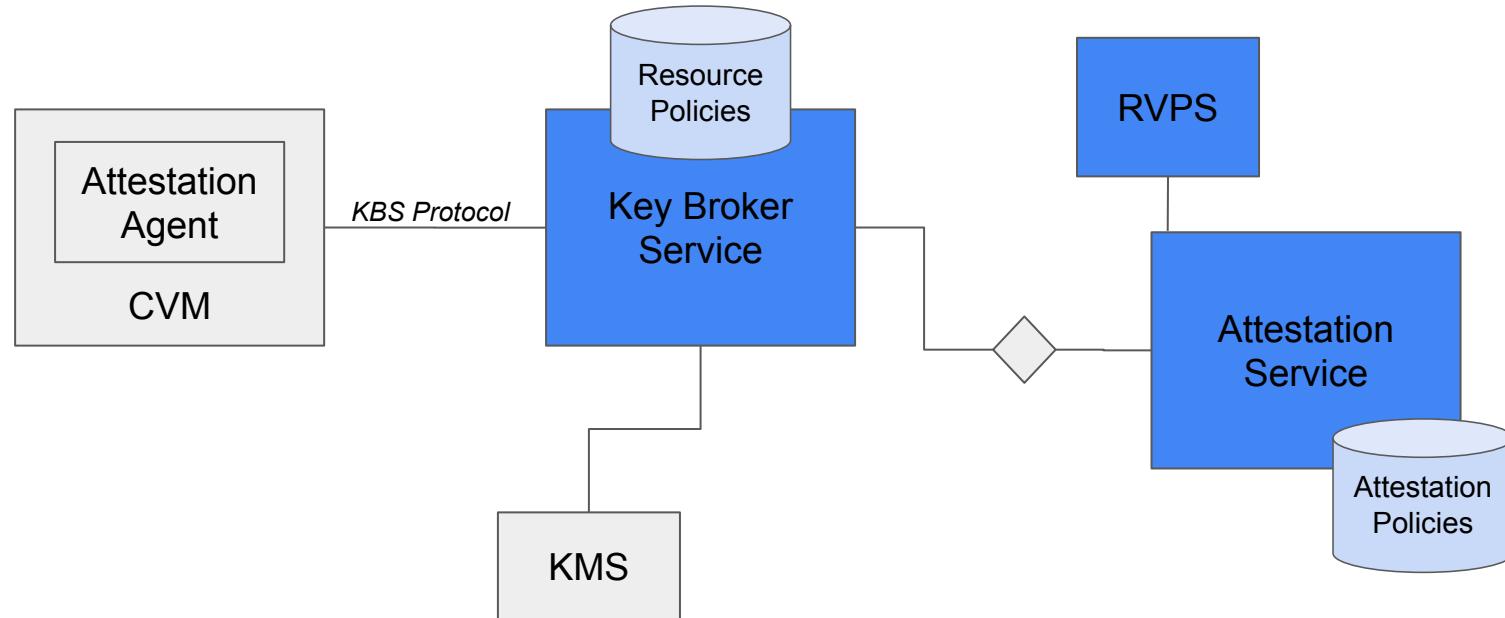


Mapping Trustee
Architecture on RATs

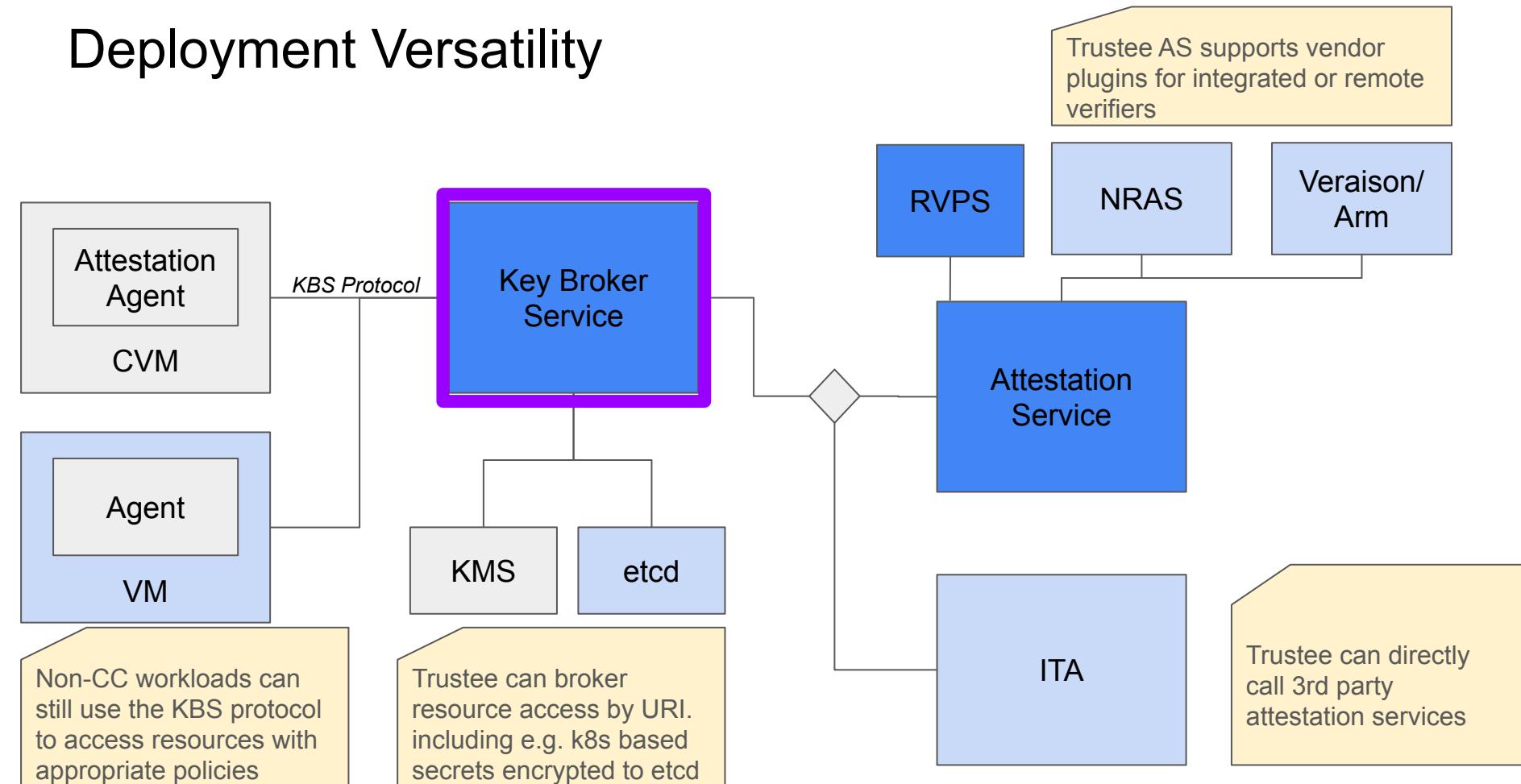
Trustee Architecture



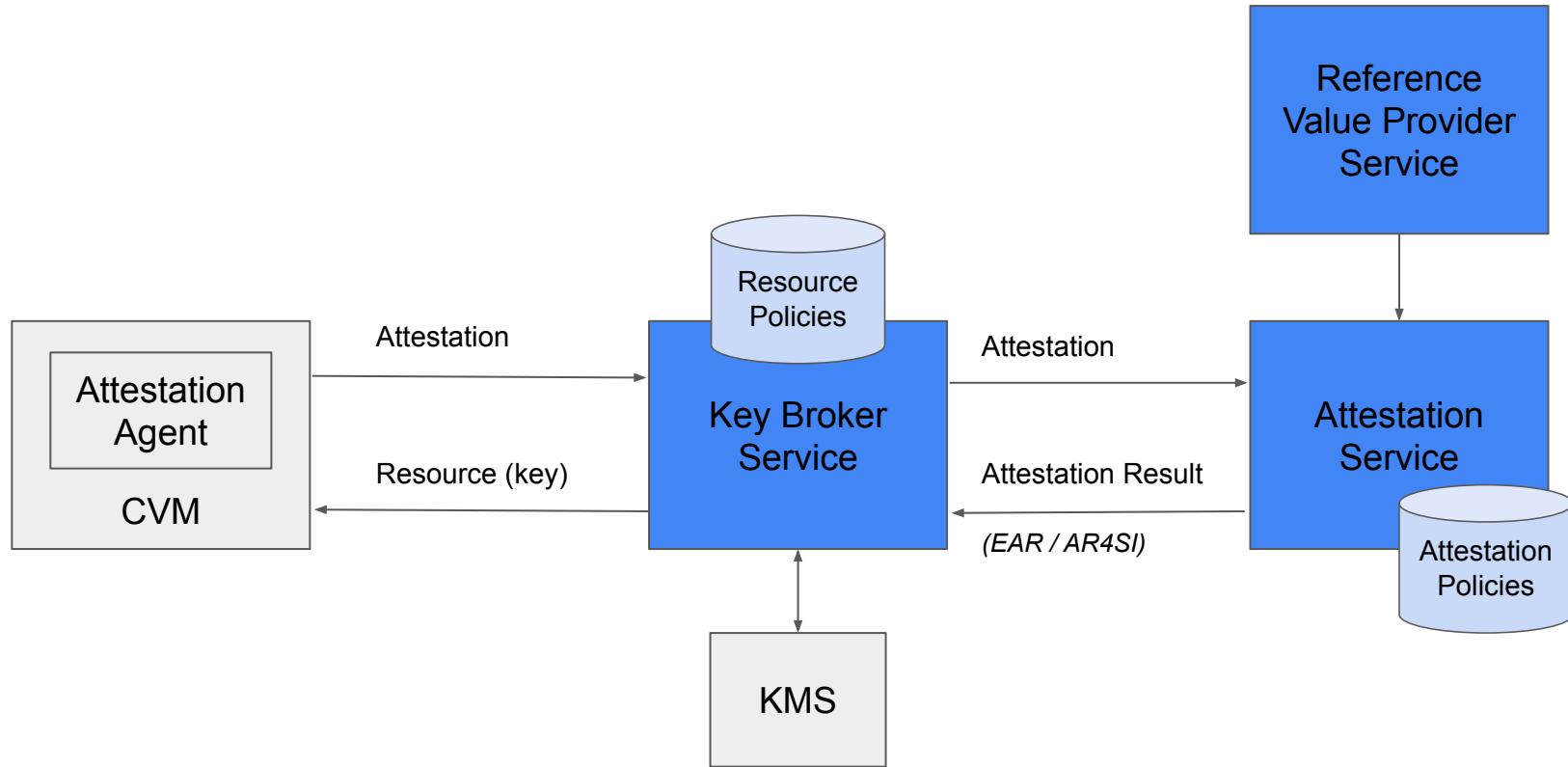
Deployment Versatility



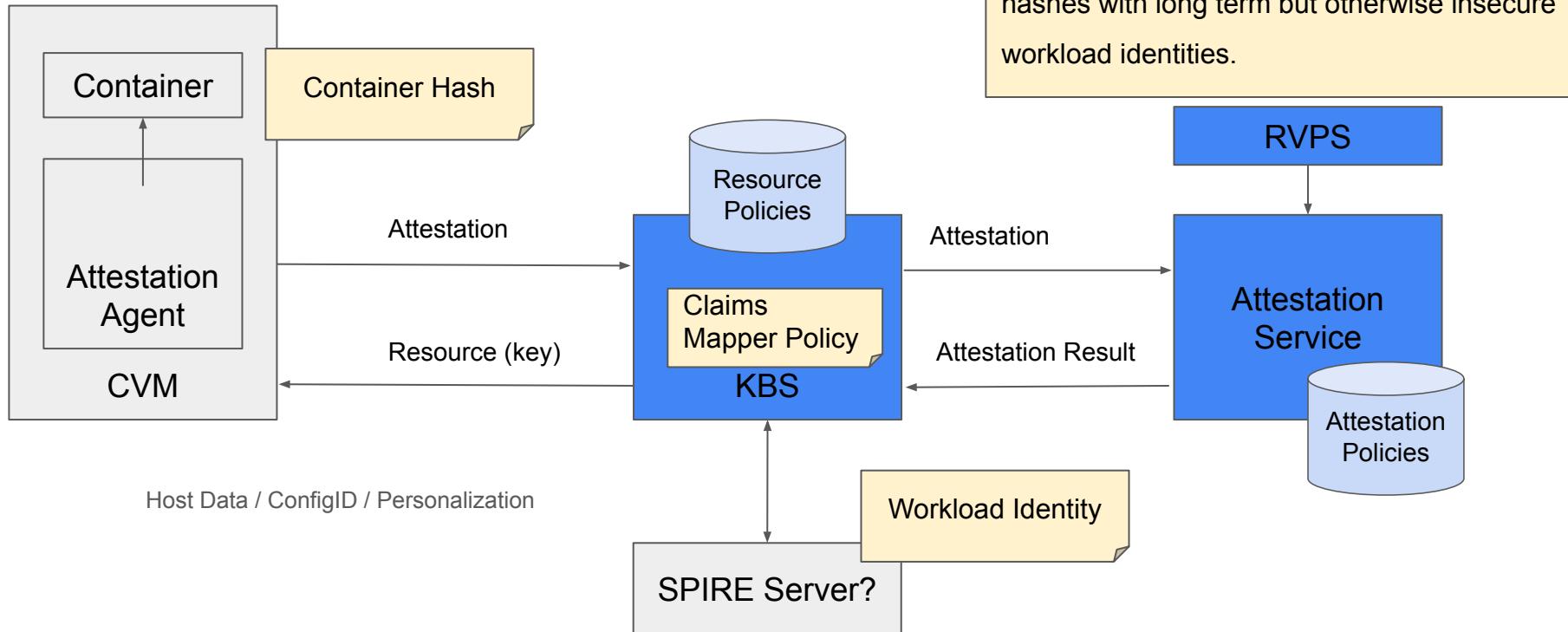
Deployment Versatility



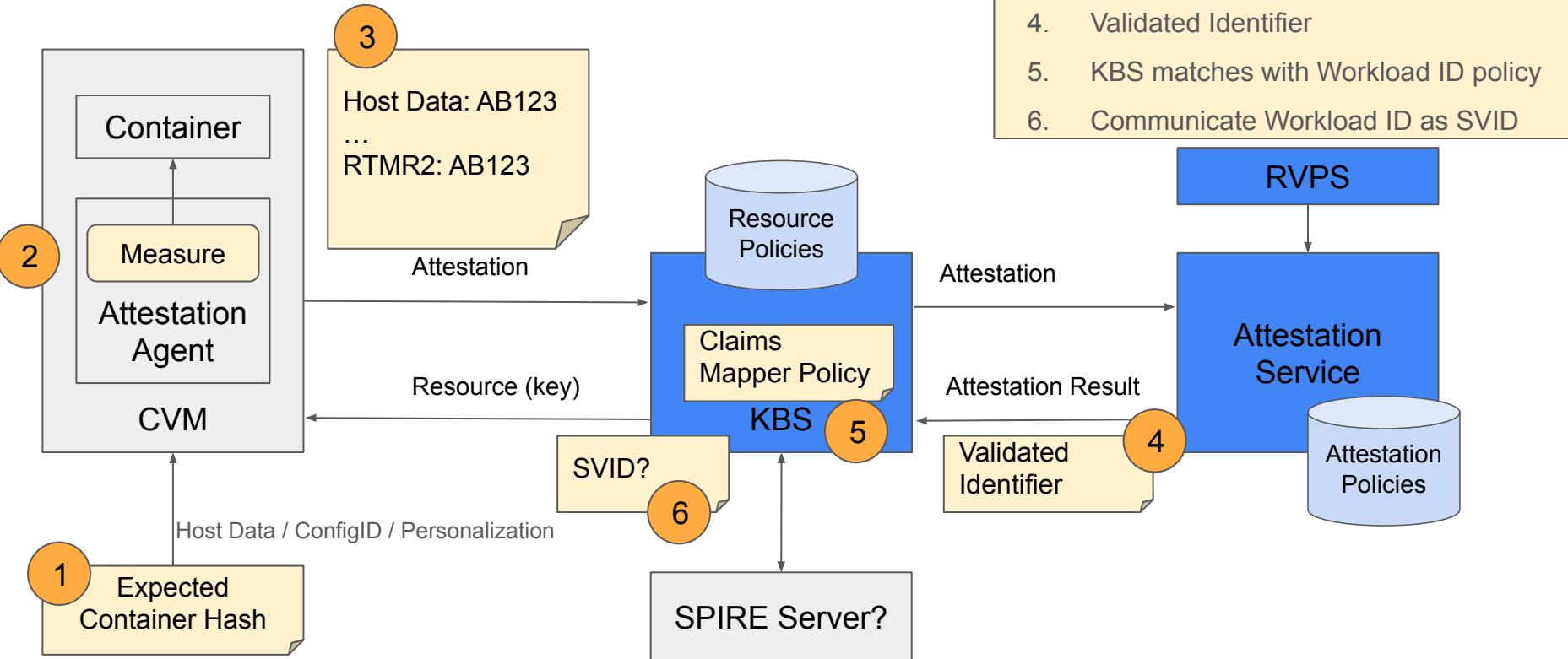
Trustee Architecture



Validated Identifier / Workload Identity



Validated Identifier / Workload Identity



KBS 2-Phase Protocol

1. Authenticate

RCAR Handshake (Request-Challenge-Attestation-Response)

Result: Attestation Token or Session Cookie

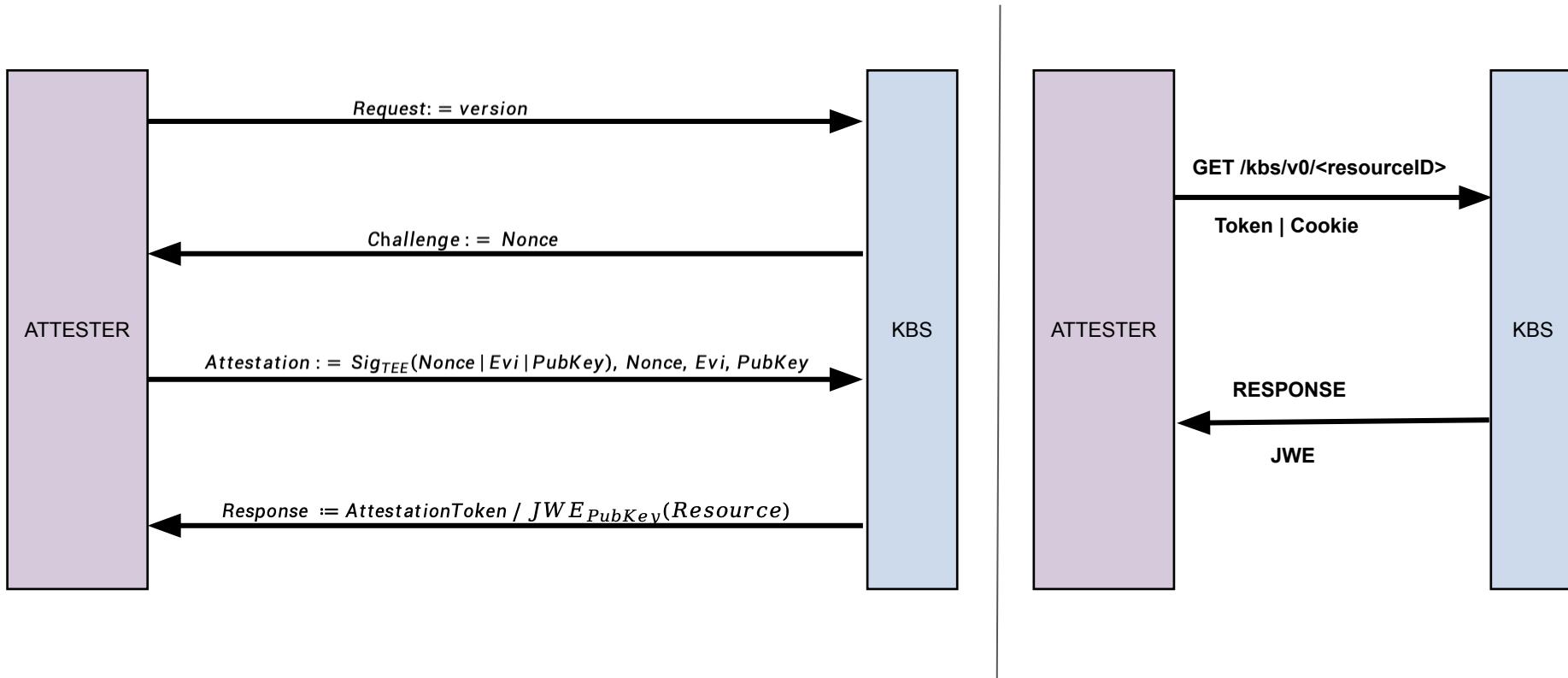
2. Request Resource

Present: Token | Cookie

Retrieve: kbs://<repository>/<type>/<tag>

KBS Protocol: Phase 1 RCAR

| Phase 2 Get Resource



Coming soon

Trustee in an Enclave

Establishing RoT in Trustee Enclave

New verifiers as new platforms emerge

Continue collaborating on Workload Identity

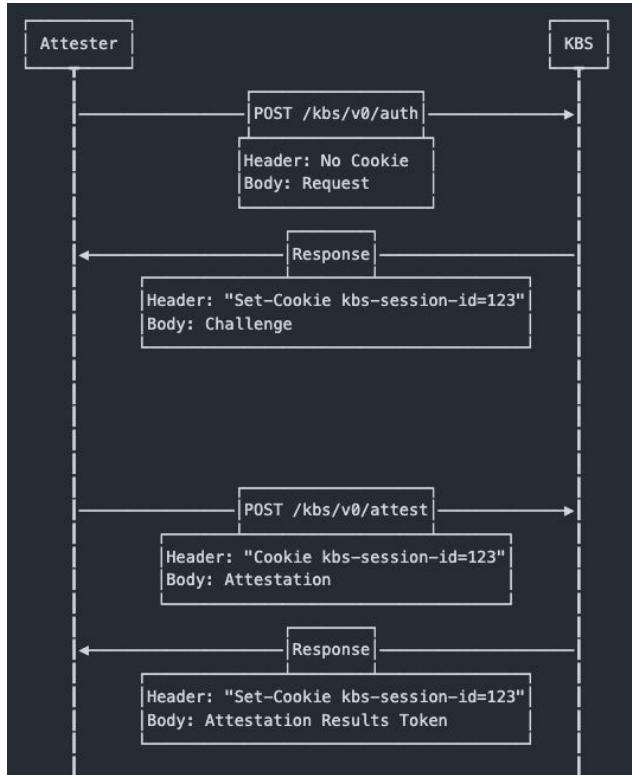
Standardize on KBS Protocol through adoption

Questions?

BACKUP

KBS Protocol

Authenticate



Request Resource



Secret Resource

KBS uses the following path format to locate secret resources:

/kbs/v0/resource/<repository>/<type>/<tag>