

IETF 125 WIMSE Architecture

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Updates Since Last IETF

- Defined ***Workload*** and ***Workload Instance***
 - Definitions - next slide
 - What does identifier refer to? → Identifier draft
- Revised Bootstrapping Section
 - Align text on attestation
 - Describe and alternative provisioning mode (work in progress)

Workload and Workload Instance

- Workload

A workload is an independently addressable and executable software entity. This may include microservices, containers, virtual machines, serverless functions, or similar components that initiate or receive network communications. A workload typically interacts with other parts of a larger system.

- Workload Instance

A workload instance is a single running instantiation of a workload at a point in time such as a container, a VM, or a serverless invocation. Workload instances may exist for a very short duration of time (a fraction of a second) and run for a specific purpose such as to provide a response to an API request. Other kinds of workload instances may execute for a very long duration, such as months or years. Examples include database services and machine learning training jobs. The number of instances for a workload may vary over time due to scaling, failover, or orchestration behavior.

ToDo:

1. Align terminology and responsibilities with identifier draft, S2S drafts and identity practices draft
2. Handling of multiple credentials
3. Trust domain clarifications
4. Complete revision of bootstrapping
5. Key Management?

Timeline

- Resolve existing issues and alignment with other drafts
 - by IETF 126
- Interims?
 - Not sure yet - may be specific interims to resolve alignment with other drafts