Proposed SACM Architecture

Ad-hoc SACM Arch team

July 2014

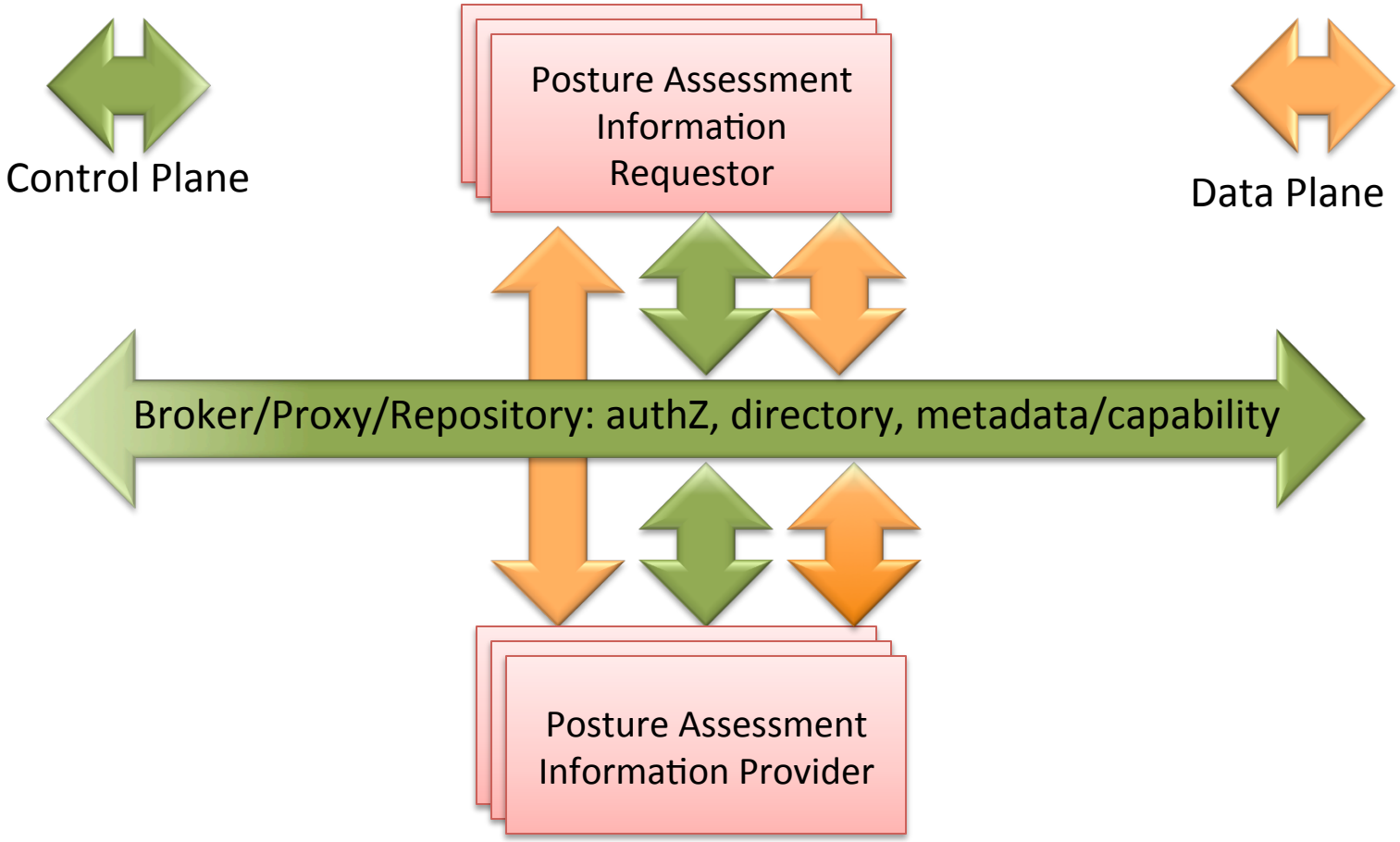
Proposed SACM Architecture

- Draft-camwinget-sacm-architecture-00 posted in June 2014
- Architecture defines the components or “actors” that communicate or interface with each other
- The interfaces define the means by which Posture Information (e.g. data model) is sent or received
- The means by which a provider or requestor can provide its metadata and address security access controls is defined through a “control plane”

Why a Control Plane?

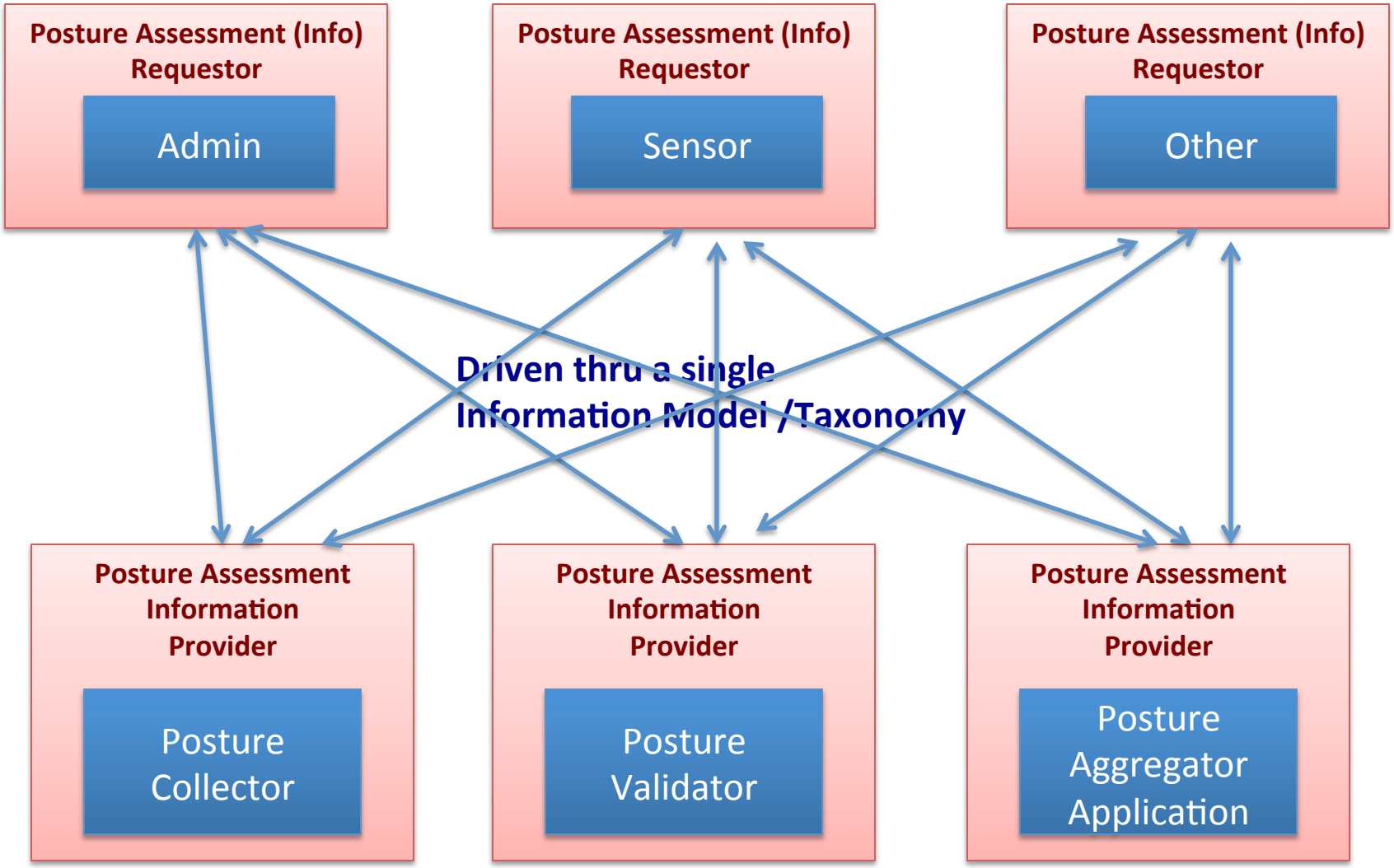
- Control Plane is an abstraction layer to facilitate:
  - Secure communications between a requestor and a publisher of Posture Information
  - Registration of new data models and transport
  - Discovery of existing/supported data models transport

SACM Architecture - Conceptual

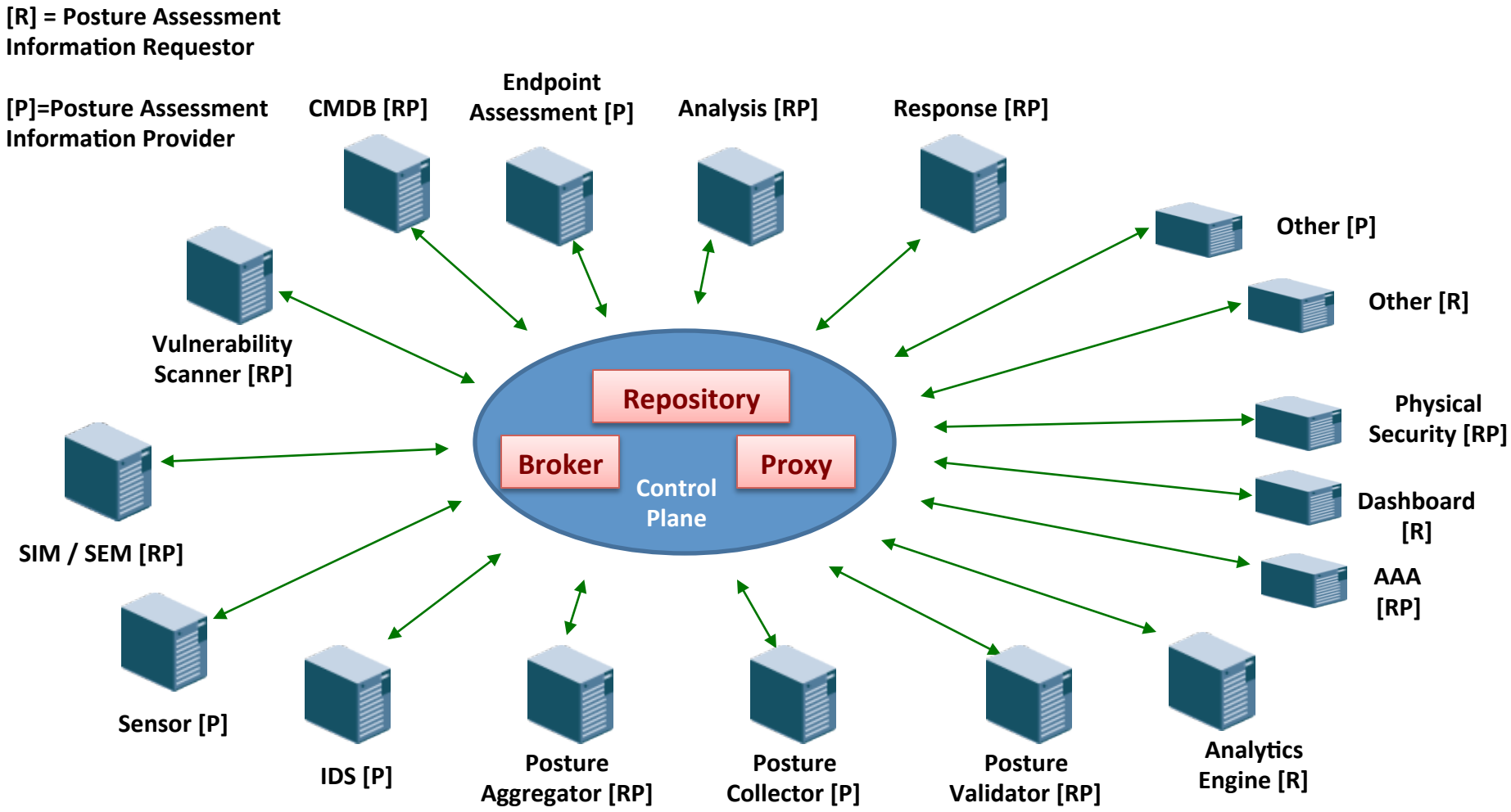


An individual actor (such as a posture assessment validator) may act as both an information requestor and an information provider.
Different types of information providers may offer different types / levels of information (e.g. metadata or data profile)

Conceptual architecture based on Use Cases



SACM Architecture - Example



Next steps

- Comments provided by David Waltemire:
  - More text required to define “roles”: consumer/ producer and entities that can behave as both
  - More text to fit in the different Posture functions (e.g. Collector, Validator)
  - More text to distinguish operations employed in the control plane vs. data plane
- More feedback please!

Q & A