

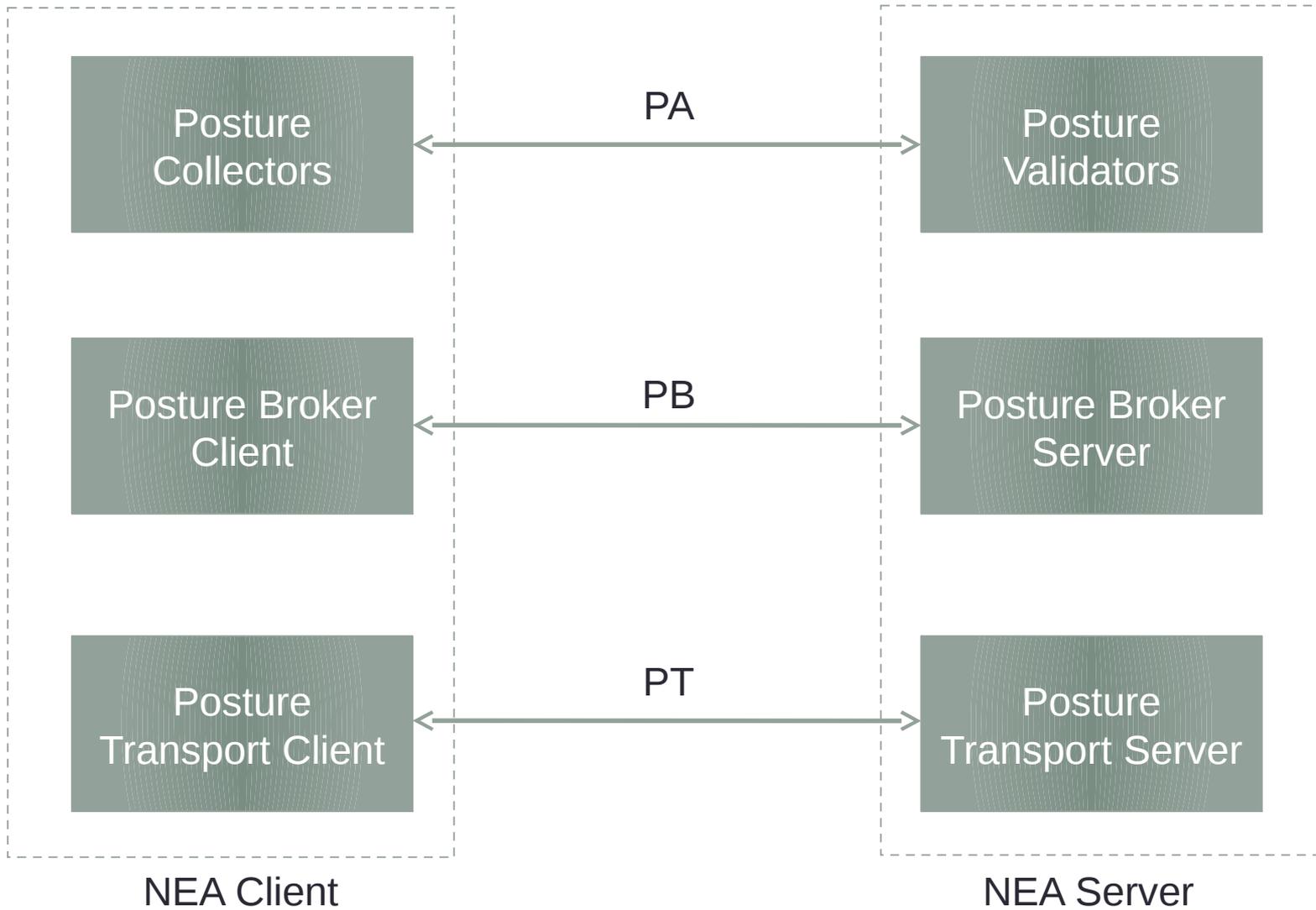
Transitioning TNC Specs to SACM

History of TCG and IETF

NEA

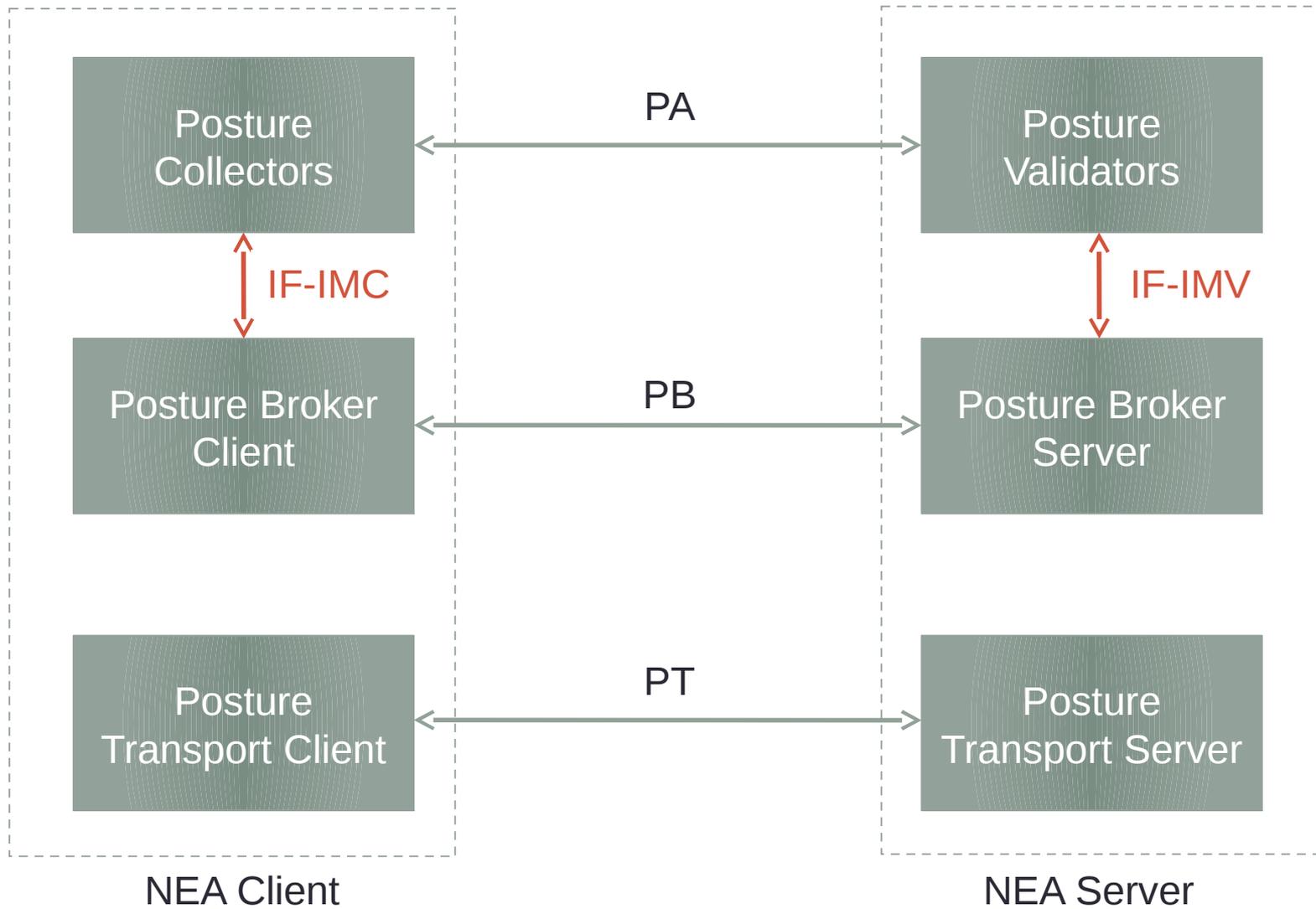
- Begun in 2006, brought TNC specs to IETF
- Specs were rewritten
- Framework to enable standards-based exchange of endpoint posture information with a central server
 - Evaluation of endpoint health
- Largely comply-to-connect focused

NEA Architecture



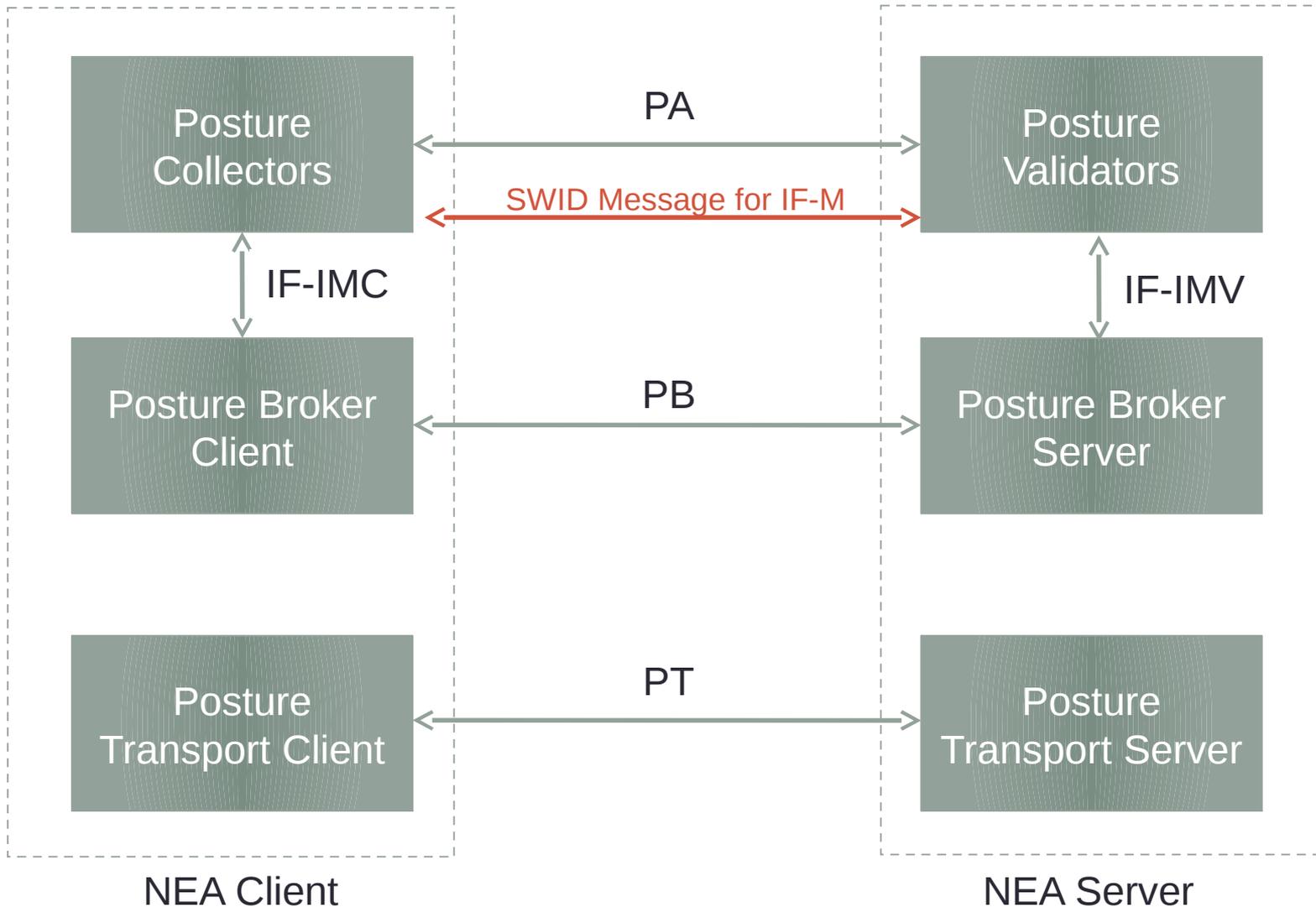
How Newer TNC Specs Can Help

IF-IMC and IF-IMV



- IF-IMC:
- Standardizes how collectors are registered and communicated with
 - PB Client can find and load new collectors
 - PB Client can provide information to collectors so they can change their behavior
- IF-IMV:
- Standardizes how verifiers are registered and communicated with
 - PB Server can find and load new verifiers
 - PB Server can provide information to verifiers so they can change their behavior

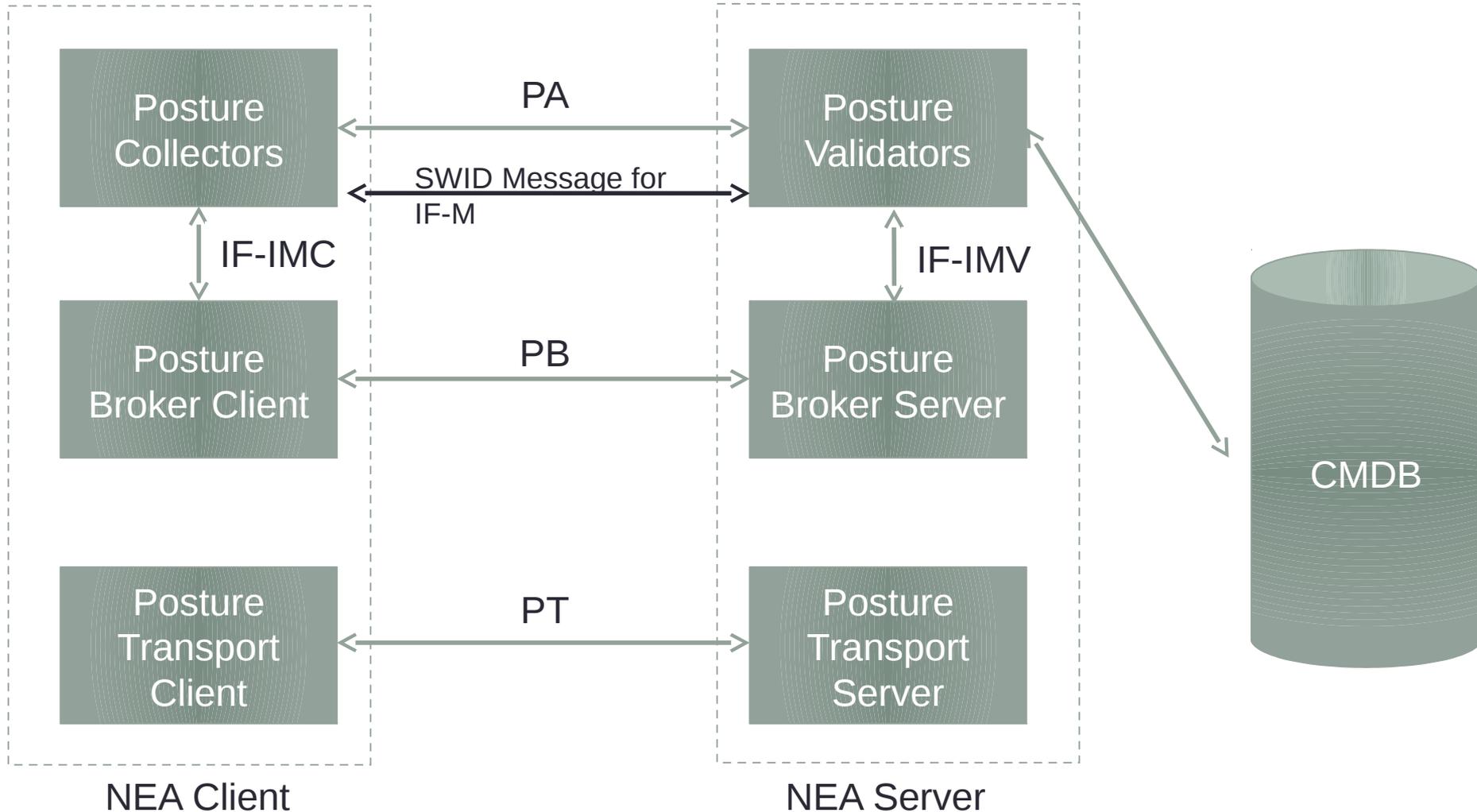
SWID Message and Attributes for IF-M



SWID Message and Attribute for IF-M

- Allows reporting inventories and deltas of SWID tags by a client to a server, allows establishing subscriptions to monitor aspects of the SWID tag inventory, and allows the server to query about SWID tag state.
 - Enables exchange of SWID tags between client and server, in order to:
 - determine endpoint access
 - Maintain repository of posture information
 - Detects updates to SWID tag repository on client machine, and update server

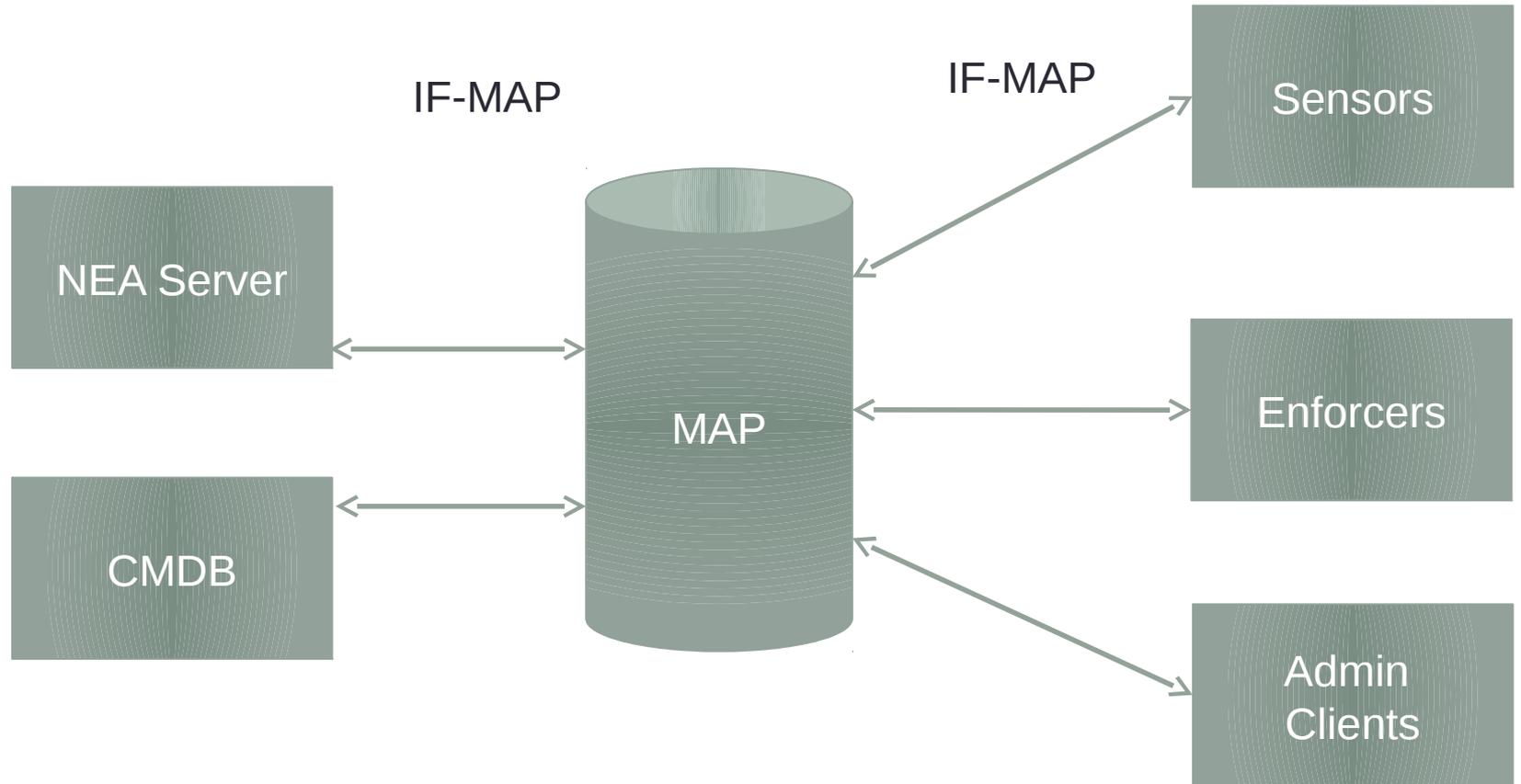
Endpoint Compliance Profile



Endpoint Compliance Profile

- Puts these specifications together for:
 - Compliance checking
 - Data storage
 - Remediation

IF-MAP

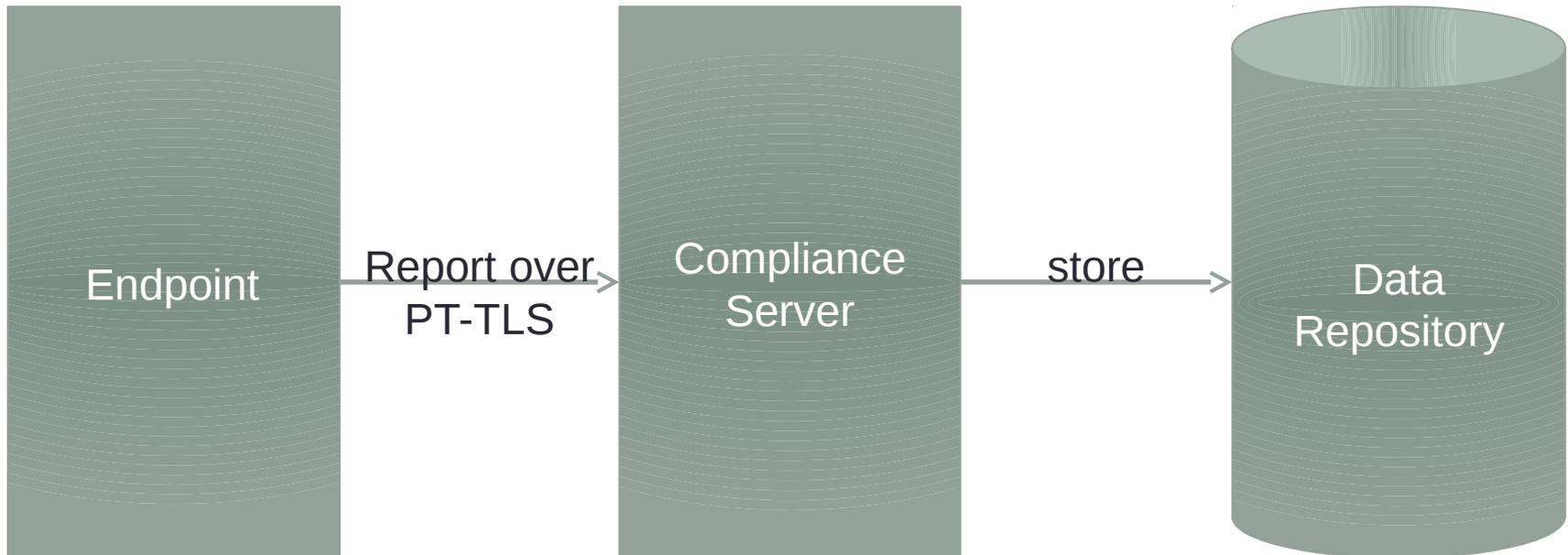


IF-MAP & Metadata

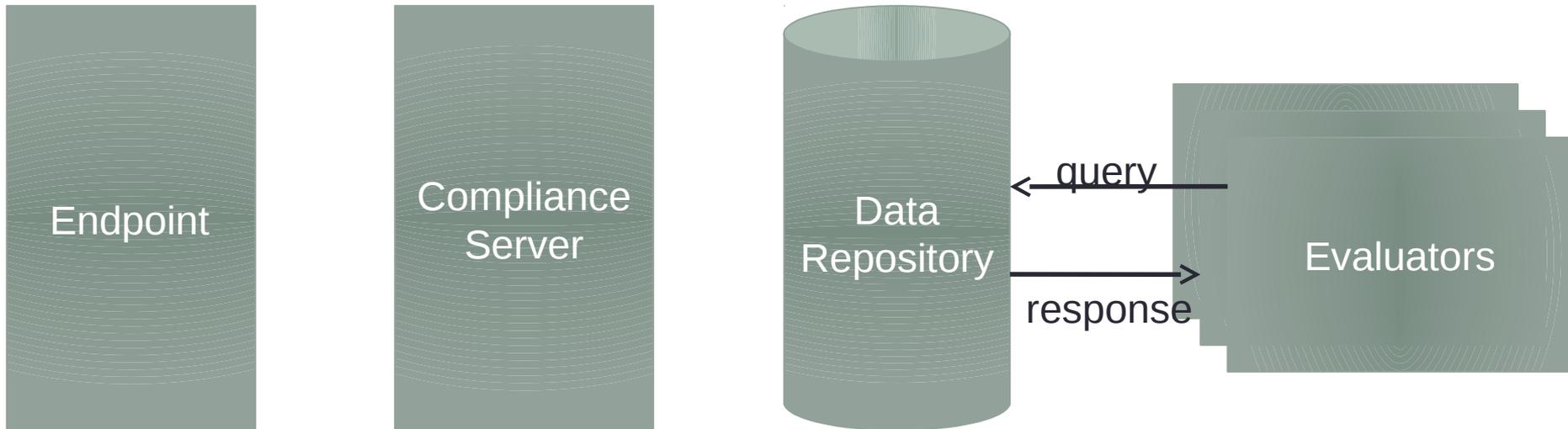
- Security automation
 - Publish & subscribe interface
 - Coordination between network & security components
- Base spec
 - IF-MAP Binding for SOAP
 - MAP Content Authorization
- Metadata specs
 - IF-MAP Metadata for Network Security
 - IF-MAP Metadata for ICS Security

Applicability to the Vulnerability Assessment Scenario

Pre-collection of Endpoint Software Inventory Information



Evaluators Query the Data Store



Evaluator Requests Additional Information

