IAD Forward. Thinking.

INFORMATION ASSURANCE DIRECTORATE

Network Access Control and Continuous Monitoring Standards

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GOALS

- Understand vision for endpoint compliance reports and continuous monitoring of endpoint health status
- Understand what standards already exist to achieve this vision
- Understand what new standards need to be created for this vision to become reality

COMPLIANCE AND HEALTH TESTING TODAY

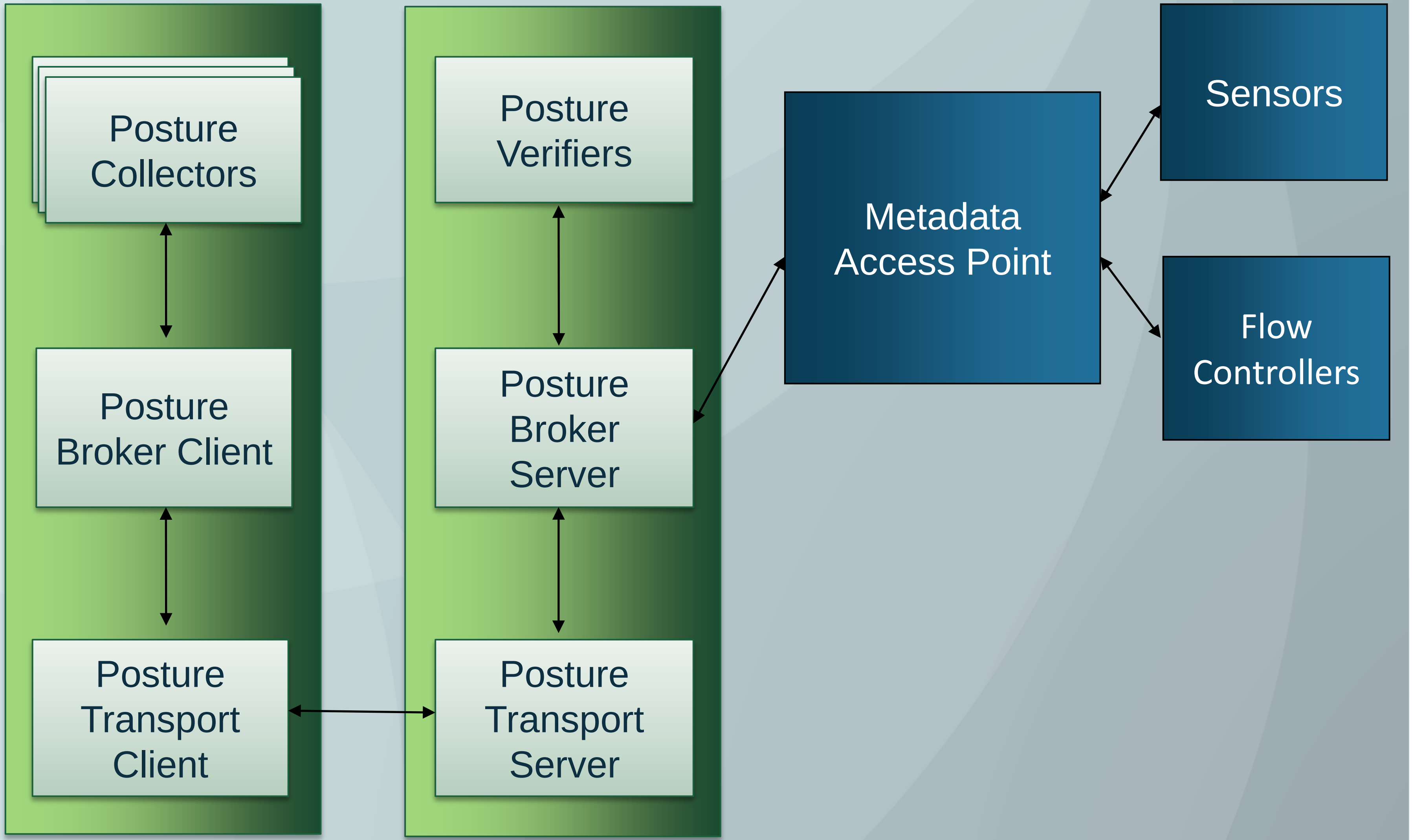
- External proprietary scanners
- Hands-on remediation
- Uncoordinated intrusion detection
- No agreement on schema
- No agreement on protocols

WHY USE STANDARDS?

- Interoperability
- Avoiding vendor lock-in
- Security

THE NETWORK OF THE FUTURE!

- Regular, secure, automated compliance checking
- Continuous monitoring of all devices
- Automated remediation of non-compliant or unhealthy devices



Posture Collectors

Posture Broker Client

Posture Transport Client

Posture Verifiers

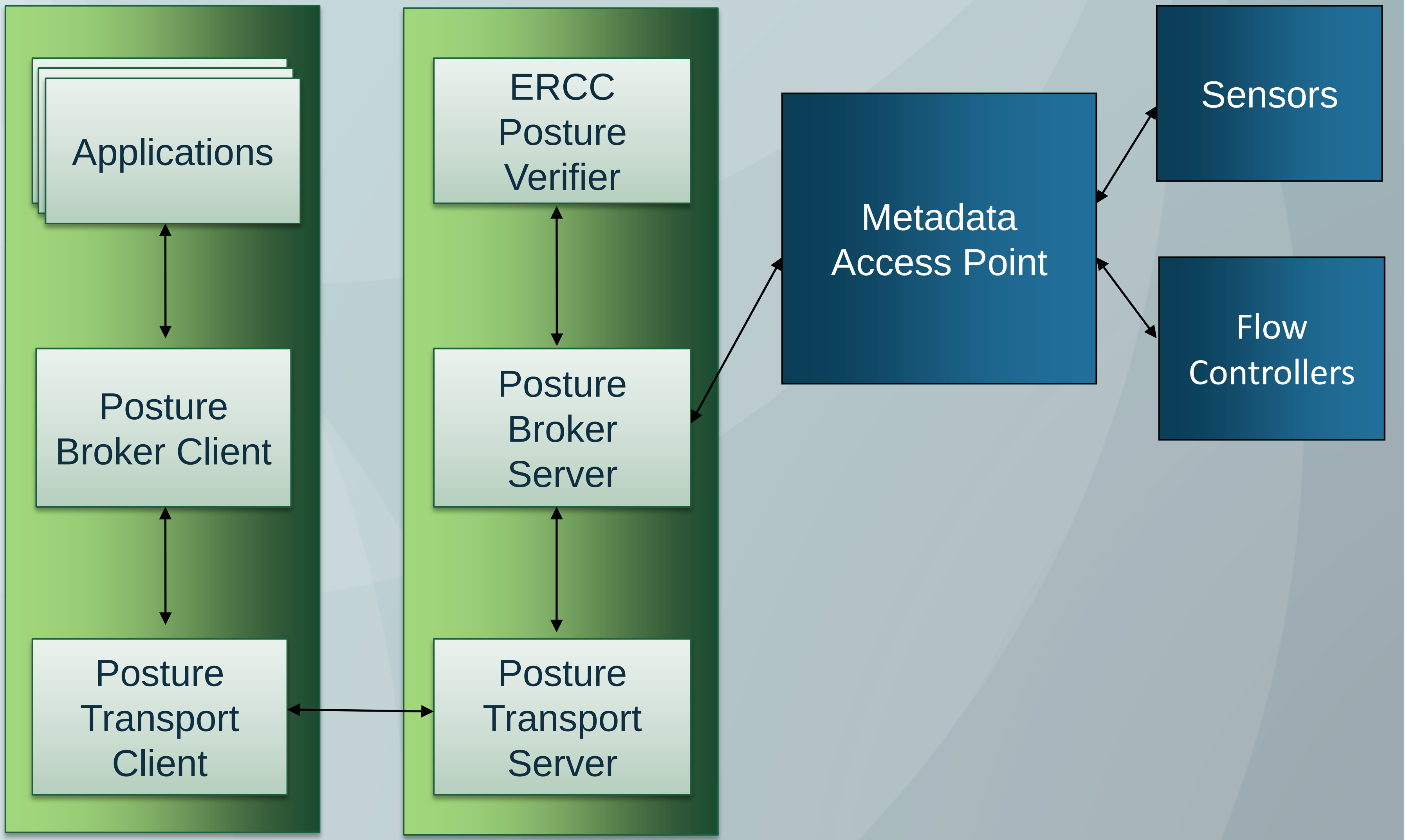
Posture Broker Server

Posture Transport Server

Metadata Access Point

Sensors

Flow Controllers


Applications
Posture Broker Client
Posture Transport Client
ERCC Posture Verifier
Posture Broker Server
Posture Transport Server
Metadata Access Point
Sensors
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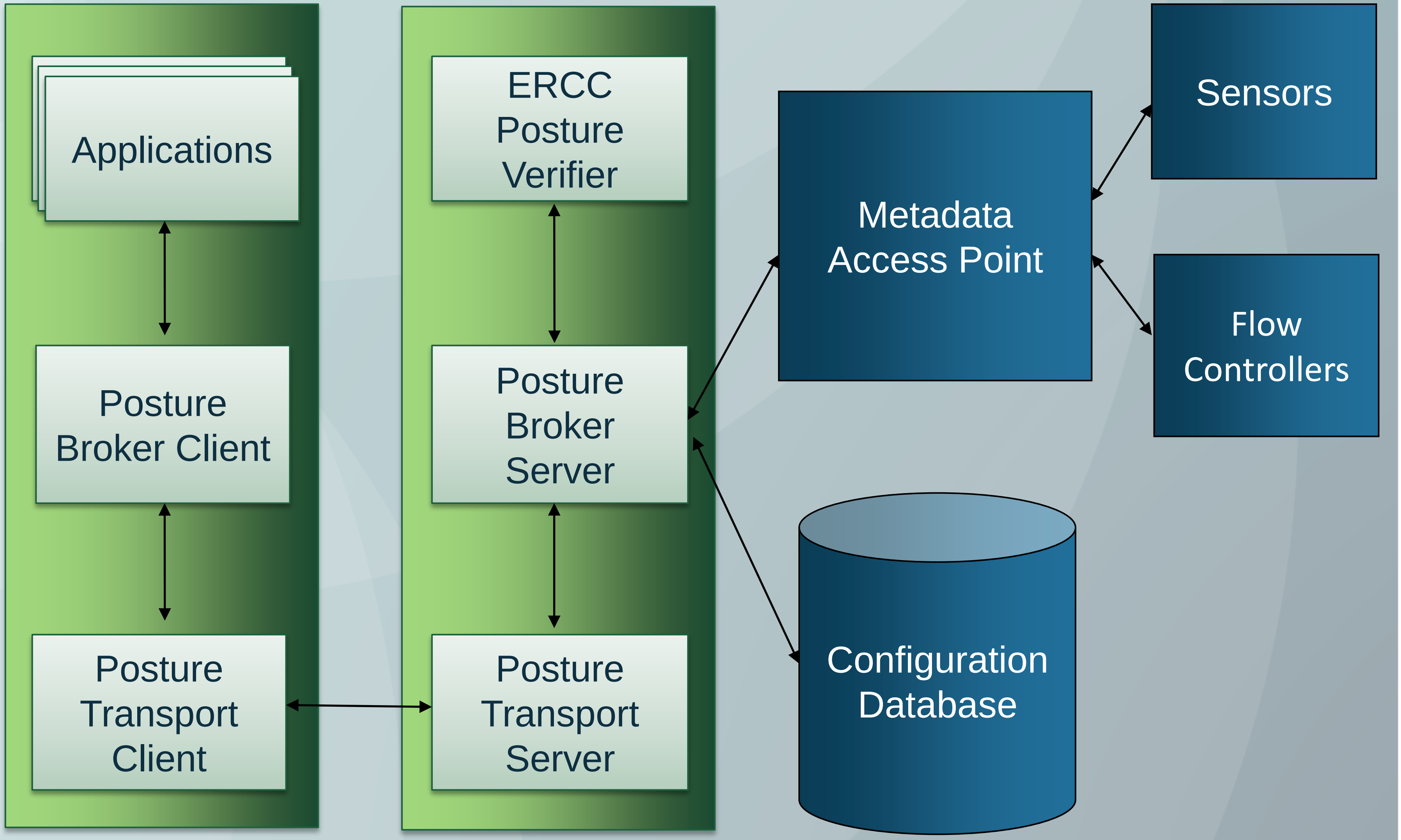


Applications

Posture Broker Client

Posture Transport Client

ERCC Posture Verifier

Posture Broker Server

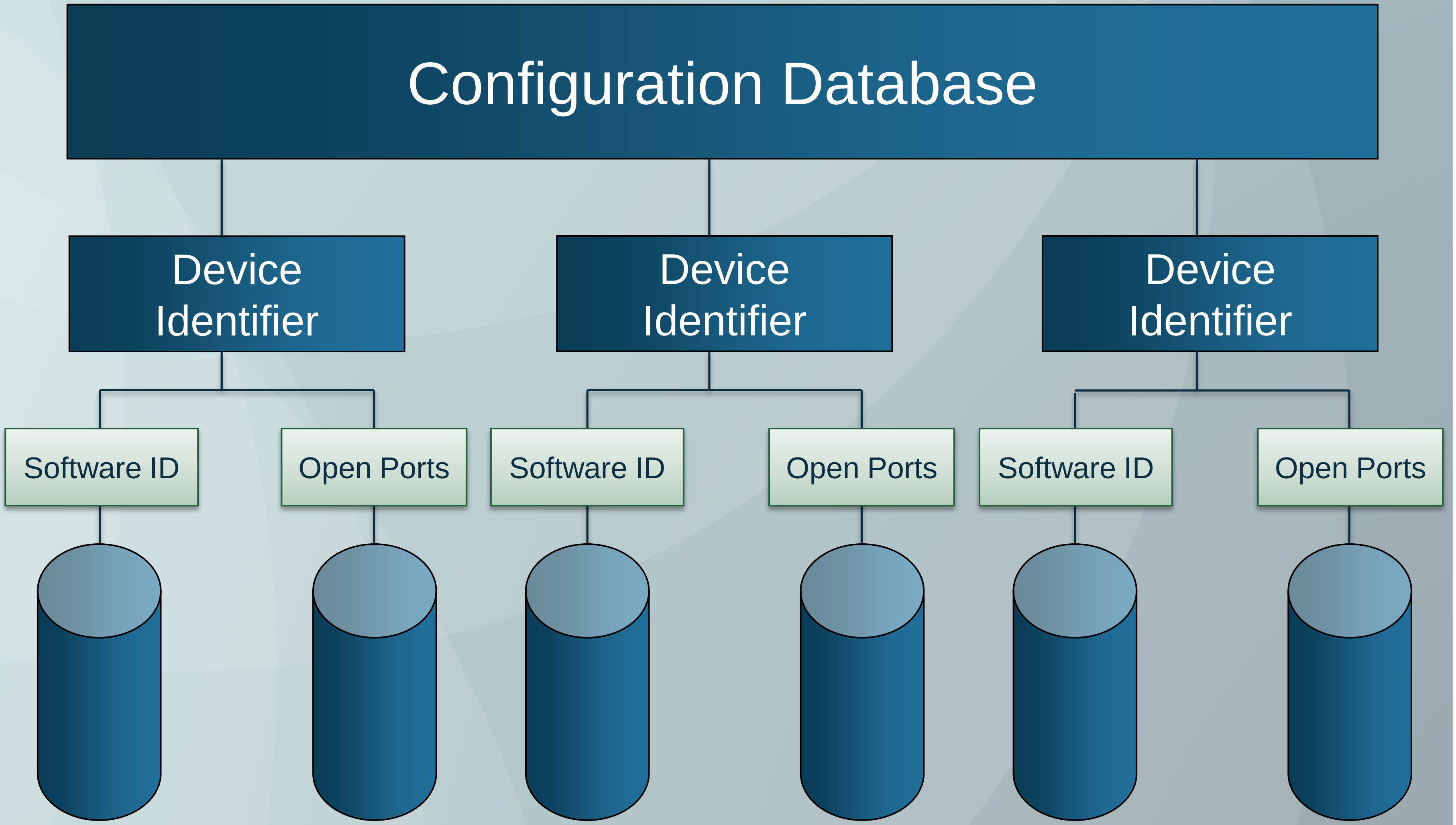
Posture Transport Server

Metadata Access Point

Sensors

Flow Controllers

Configuration Database



Configuration Database

Device Identifier

Software ID

Open Ports

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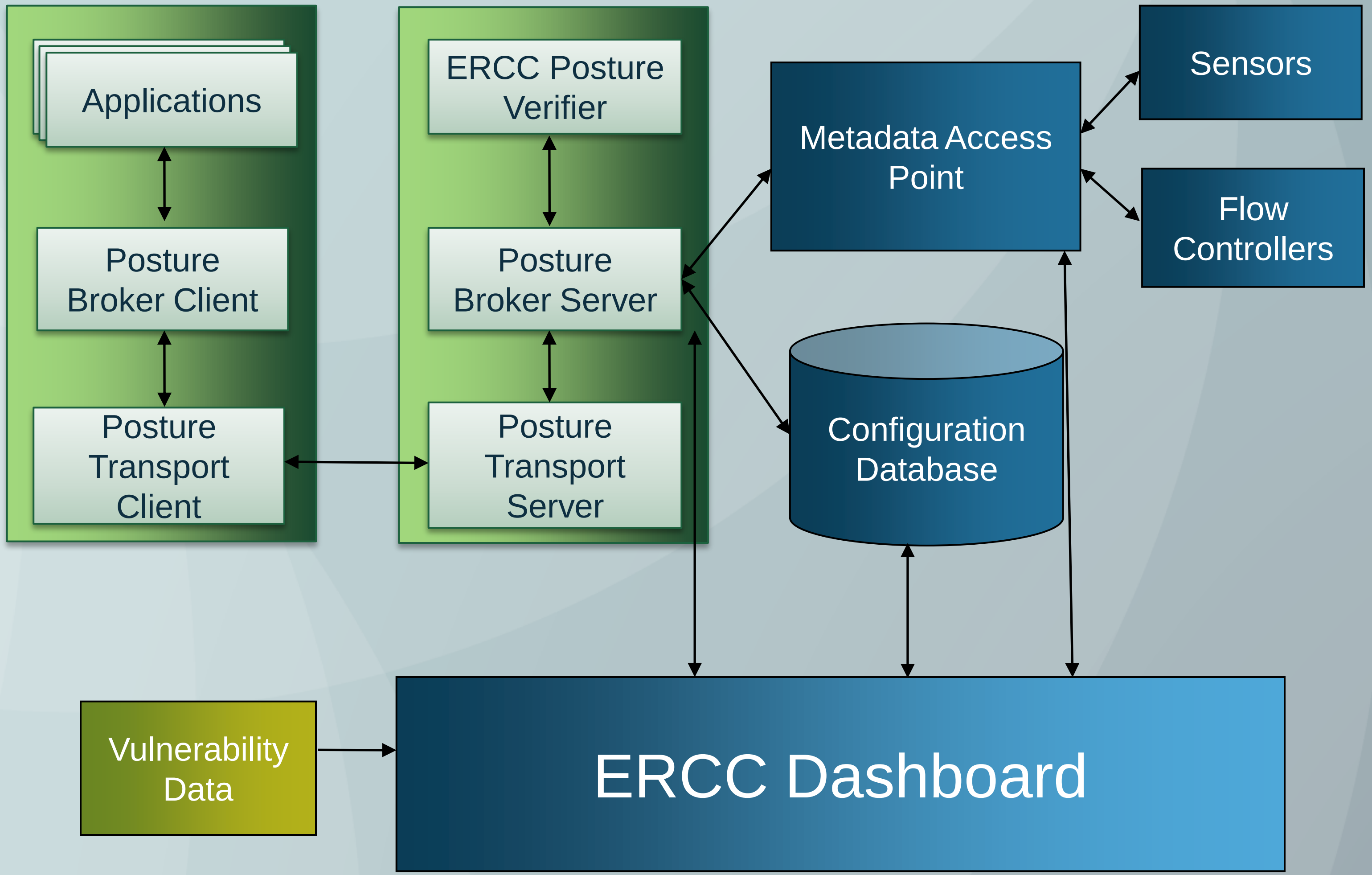
Applications
Posture Broker Client
Posture Transport Client
ERCC Posture Verifier
Posture Broker Server
Posture Transport Server
Metadata Access Point
Sensors
Flow Controllers
Configuration Database
Vulnerability Data
ERCC Dashboard

CALL TO ACTION

- We want to hear what your network needs!
- We need to have a consistent message to vendors!

Contact Jessica Fitzgerald-McKay (jmfitz2@nsa.gov)

QUESTIONS?

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