29 and 30 August 2017: Palo Alto, CA

Security + Systems Management WGs Face-to-Face Meeting

Meeting Slide Deck:

August 29-30, 2017 Face-to-Face Slide Deck with updates from meetings. Slides

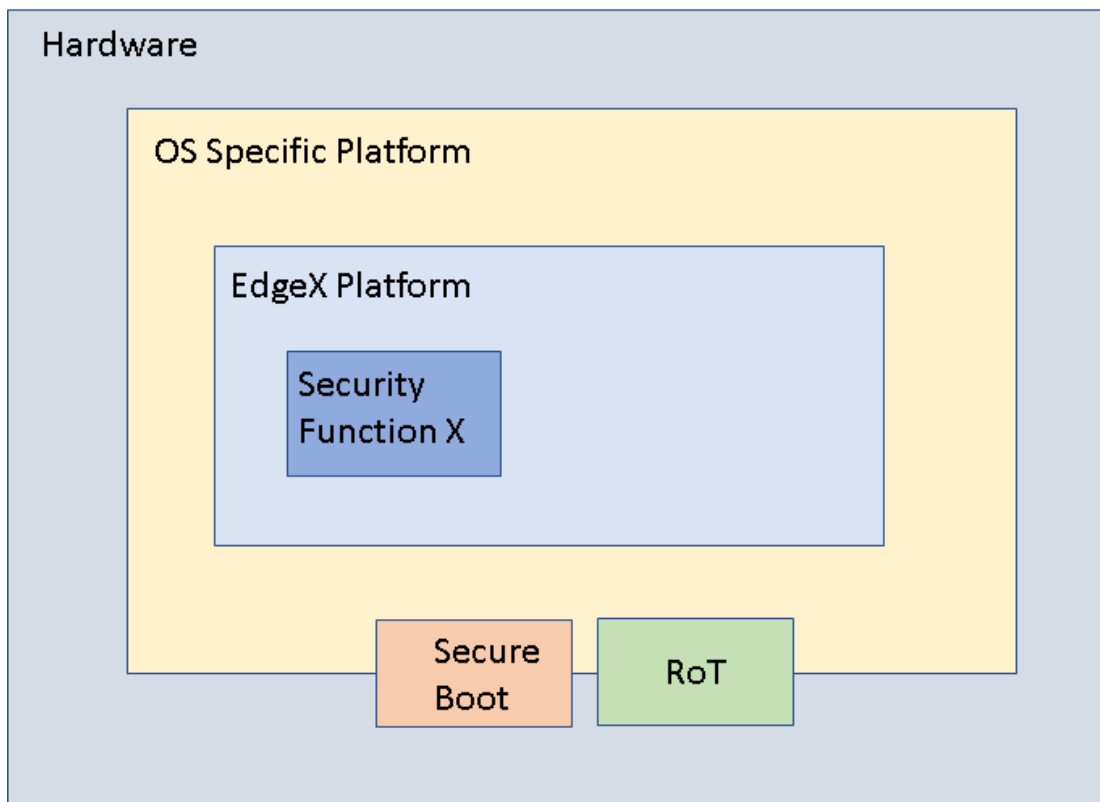<u>Summary of Meeting Actions and Decisions</u>

1. Protected communication (inbound and outbound) over the public internet on north bound interface. Using PKI certificate methods, Mutually authenticated TLS, and OAuth 2.0 methods.
2. Create Key Management API
3. Create Inbound Connection Manager (Firewall)
4. Overall plan - Provide well defined API interfaces for security services with basic software implementation of functionality
5. Allow commercial partners to supply enhanced features and services using the same API interface with drop in replacements

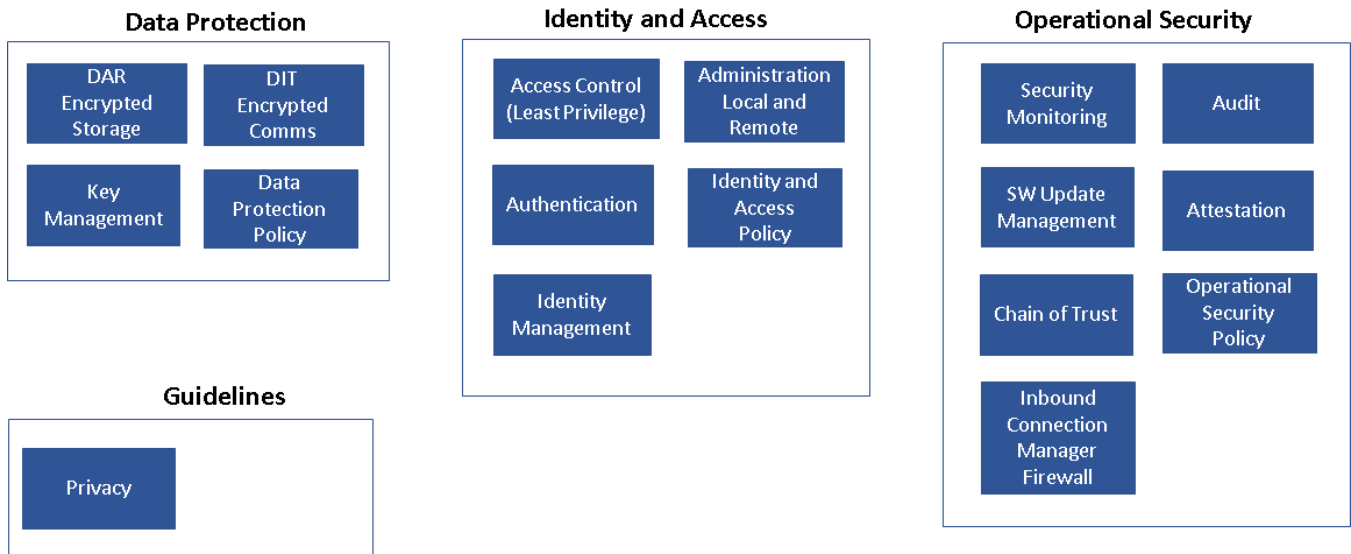# EdgeX Security Micro Service High level Architecture Function

- API interface to rest of EdgeX platform
- API interface to Platform Secure Elements
- Simple SW Secure Element Implementation
- Out of Scope -Shim interface per deployment
  - Shim will interface with OS provide secure elements or hardware secure elements of the hardware platform (TPM)
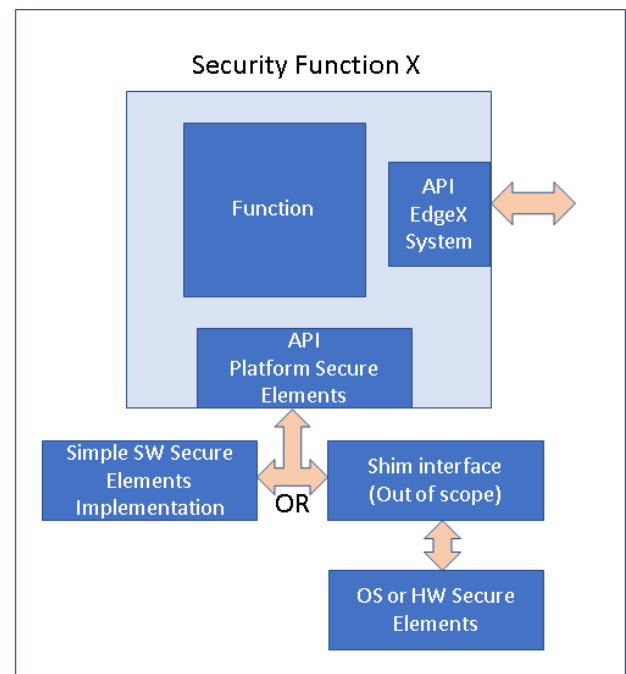
EdgeX Security Micro Service High Level Architecture Environment

EdgeX Security High Level Architecture Services

Data Protection

DAR Encrypted Storage	DIT Encrypted Comms
Key Management	Data Protection Policy

Identity and Access

Access Control (Least Privilege)	Administration Local and Remote
Authentication	Identity and Access Policy
Identity Management	

Operational Security

Security Monitoring	Audit
SW Update Management	Attestation
Chain of Trust	Operational Security Policy
Inbound Connection Manager Firewall	

Guidelines

Privacy

Meeting Recordings:

- Tuesday, August 29
- Wednesday, August 30