



Network Security Automation Standards: TNC and SCAP

Trusted Network Connect

Open Architecture for Network Security

- Completely vendor-neutral
- Strong security through trusted computing

Open Standards for Network Security

- Full set of specifications available to all
- Products shipping for more than five years

Developed by Trusted Computing Group (TCG)

- Industry standards group
- More than 100 member organizations
- Includes large vendors, small vendors, customers, etc.



Problems Solved by TNC

Network and Endpoint Visibility

- Who and what's on my network?
- Are devices on my network secure? Is user/device behavior appropriate?

Network Enforcement

- Block unauthorized users/devices
- Grant appropriate levels of access to authorized users/devices

Network Access Control (NAC)

Device Remediation

- Quarantine and repair unhealthy devices

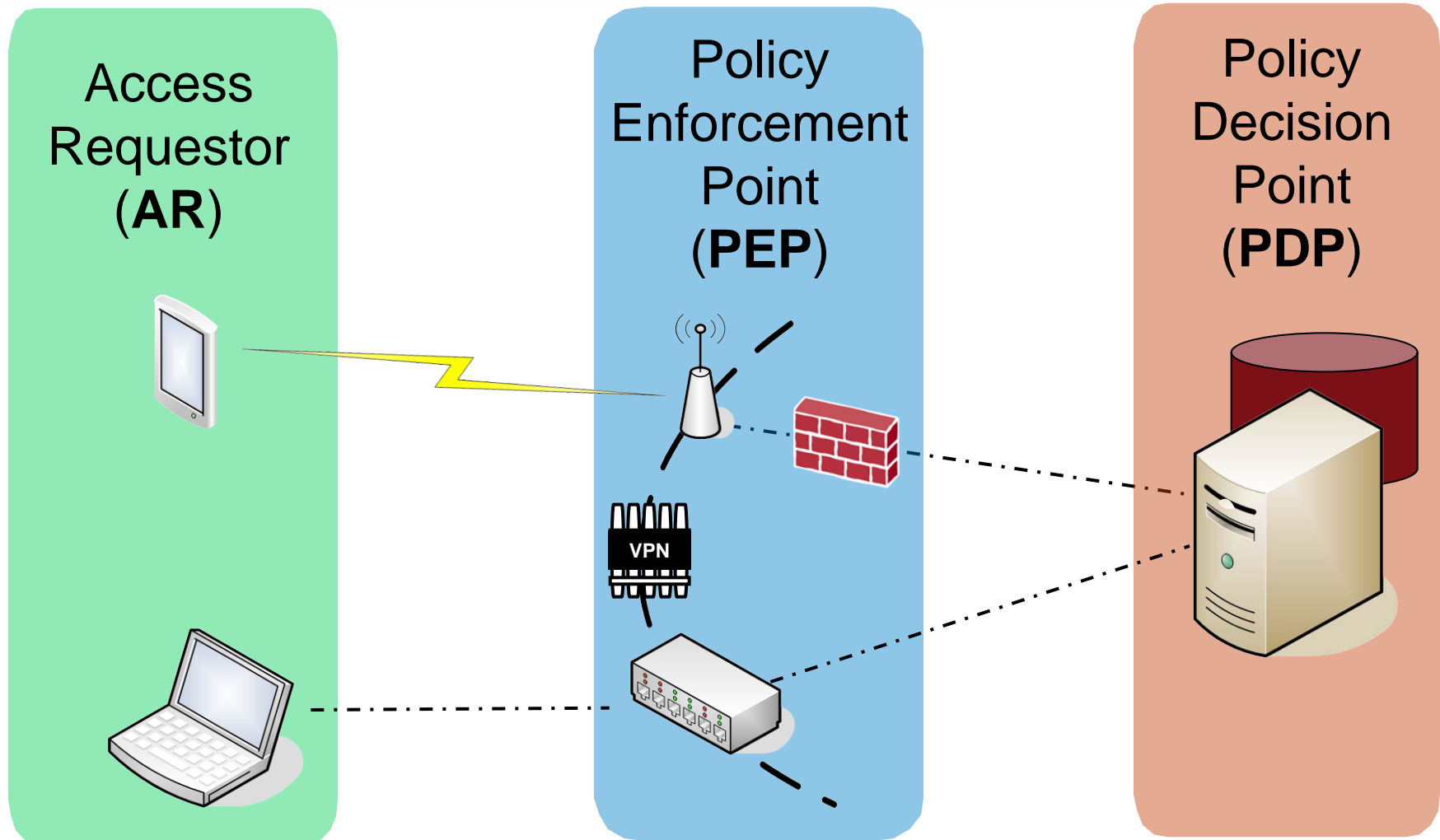
Security System Integration

- Share real-time information about users, devices, threats, etc.

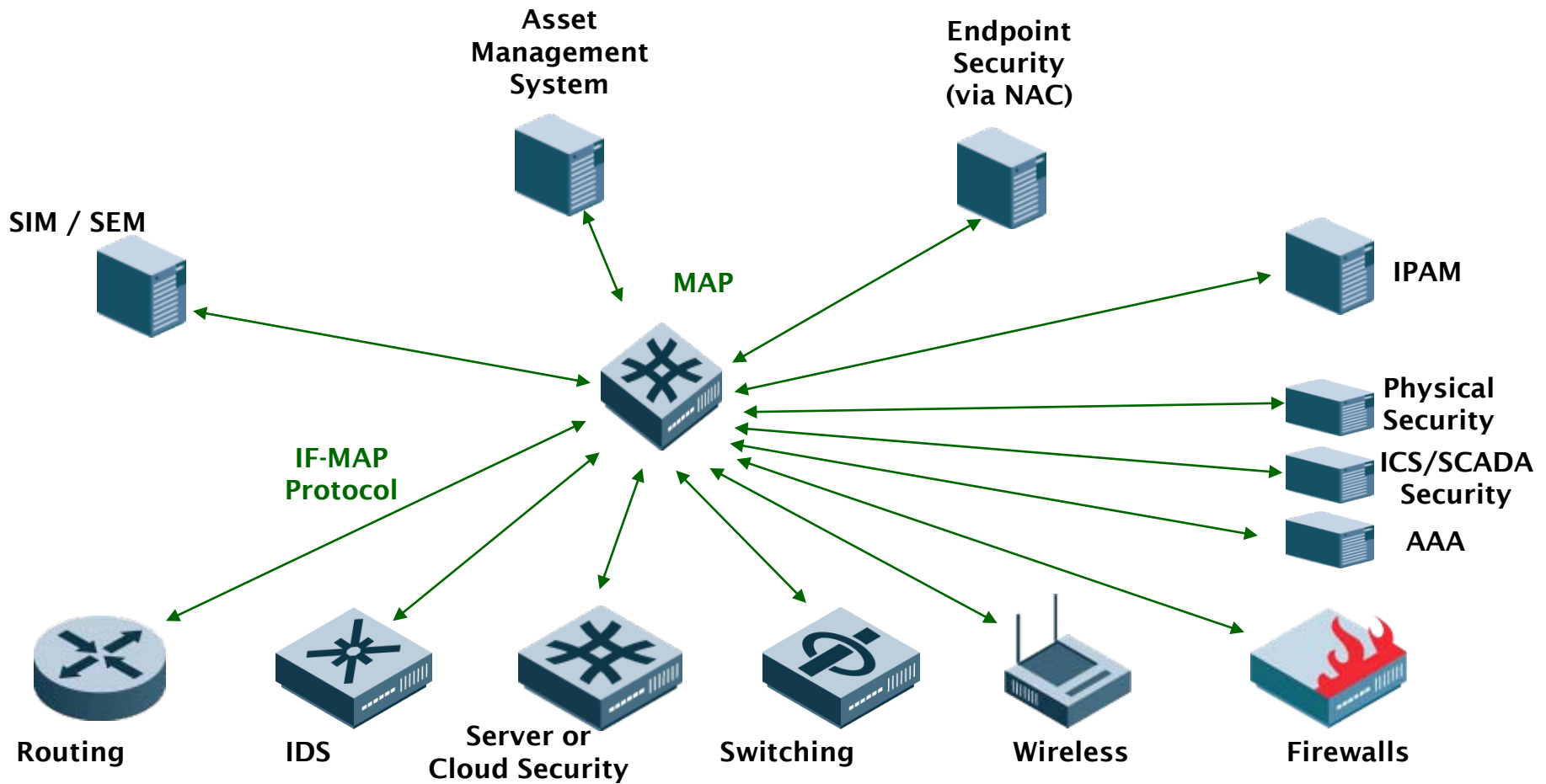
Coordinate Security



NAC Architecture

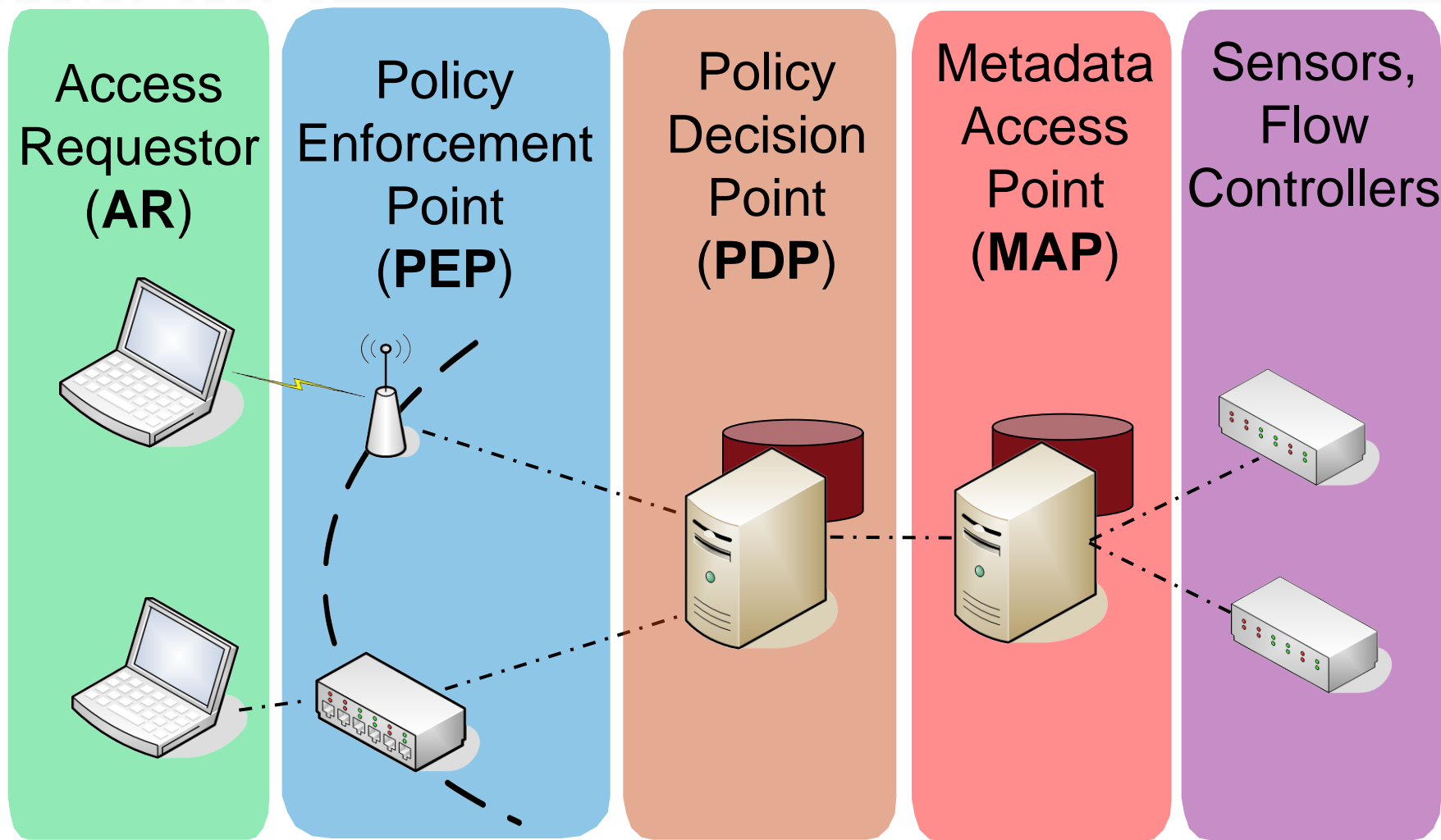


Coordinated Security



Coordinated Security & NAC

Together



Typical TNC Deployments

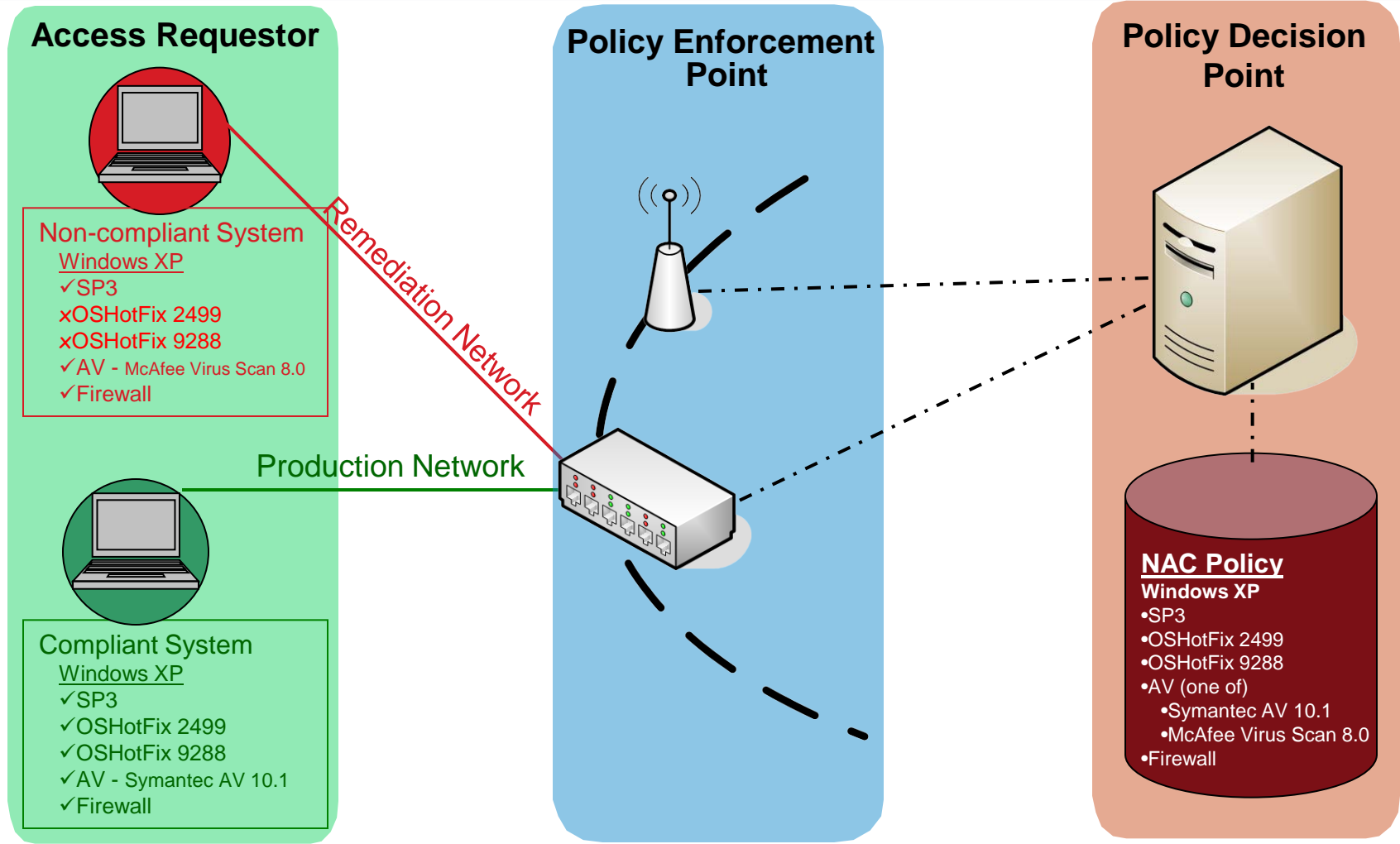
Health Check

Behavior Check

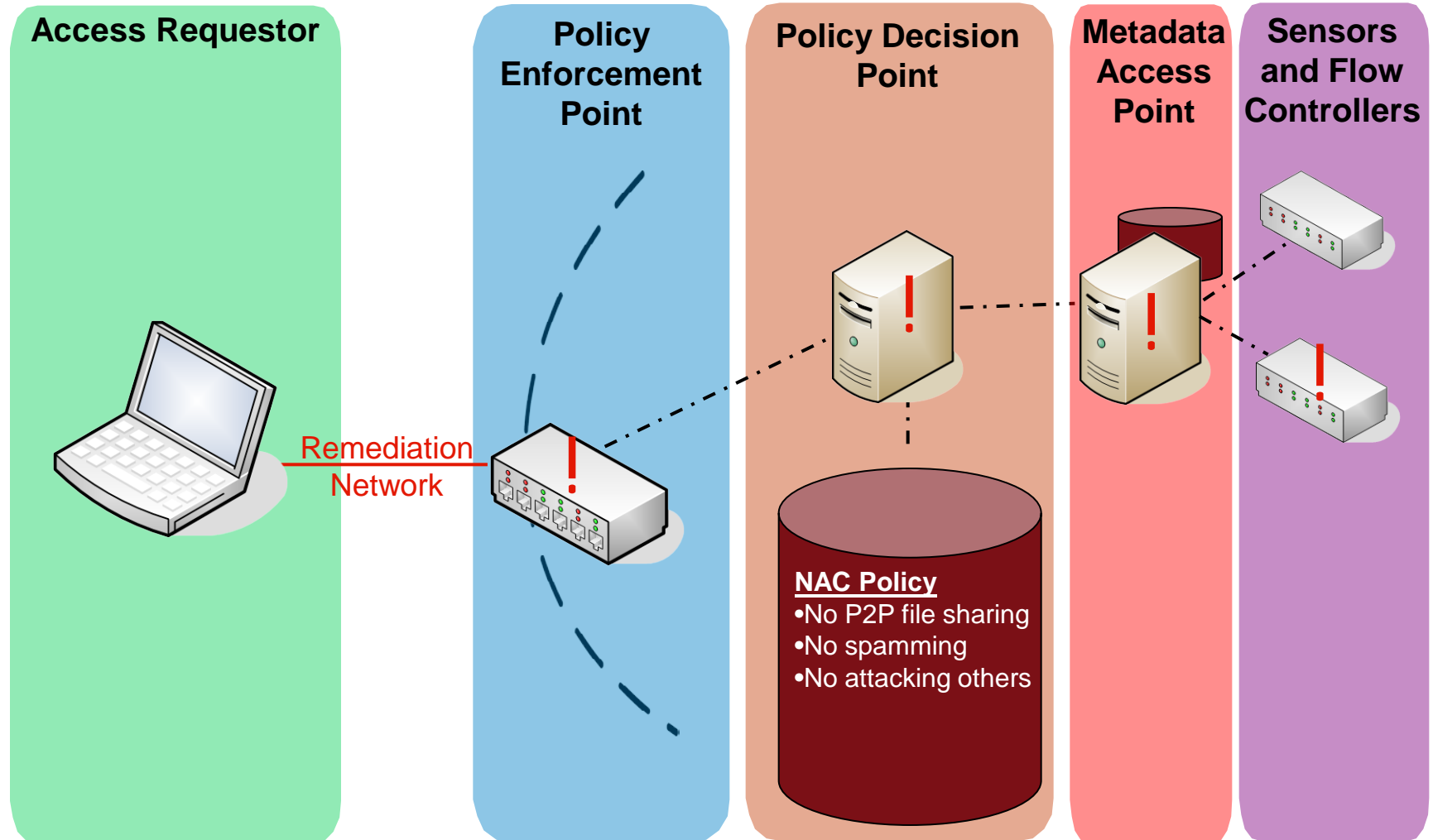
User-Specific Policies



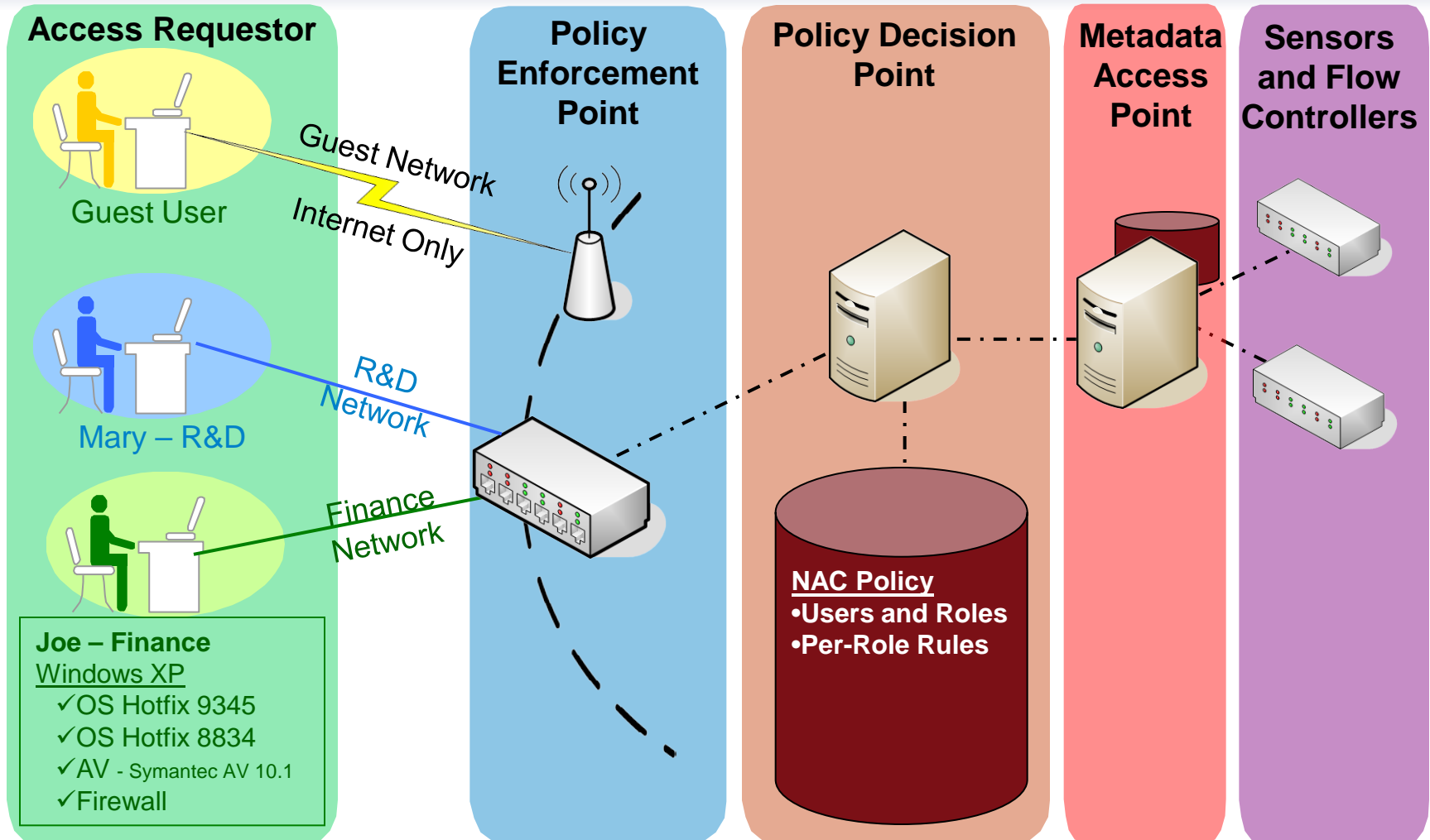
Health Check



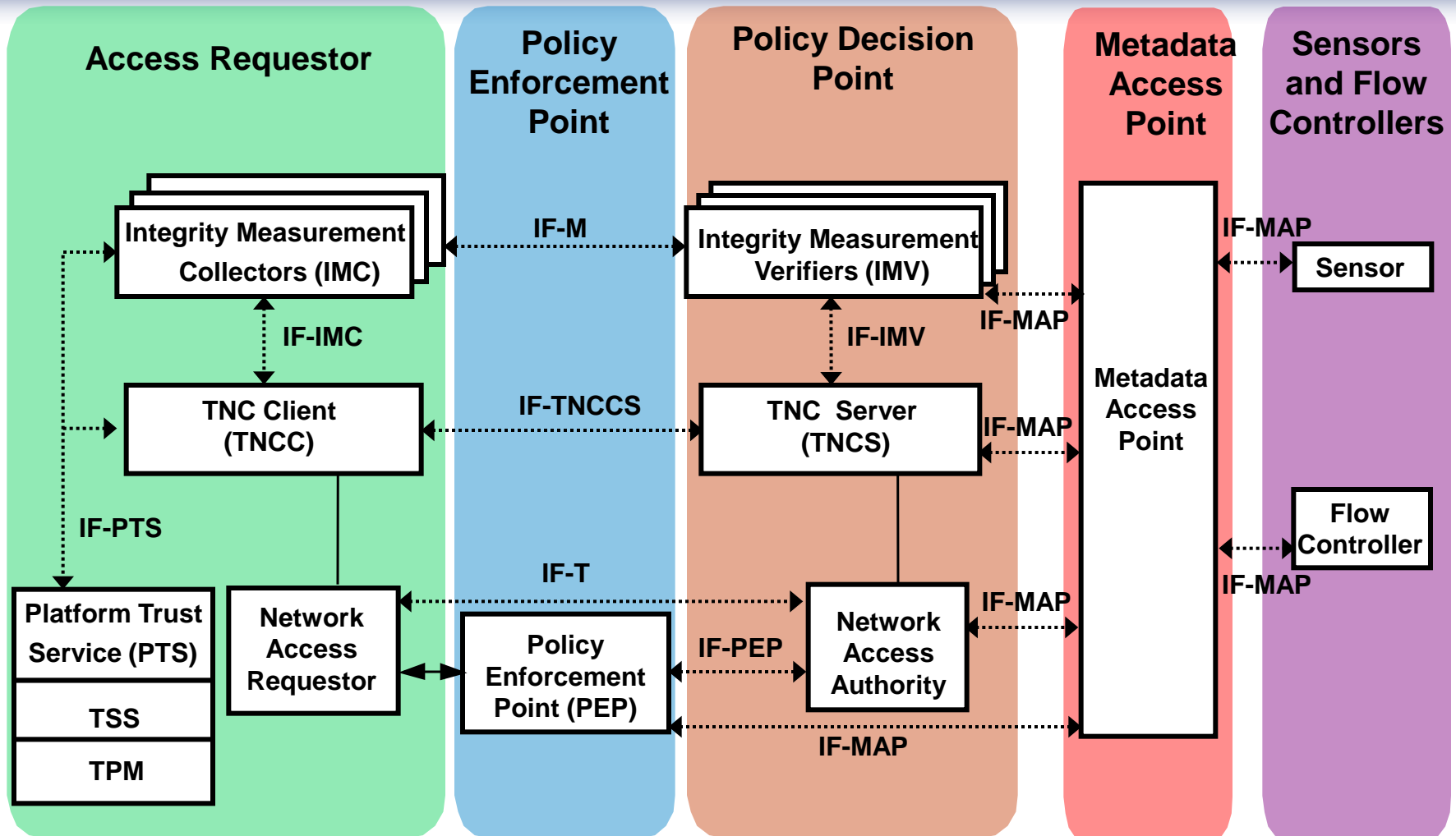
Behavior Check



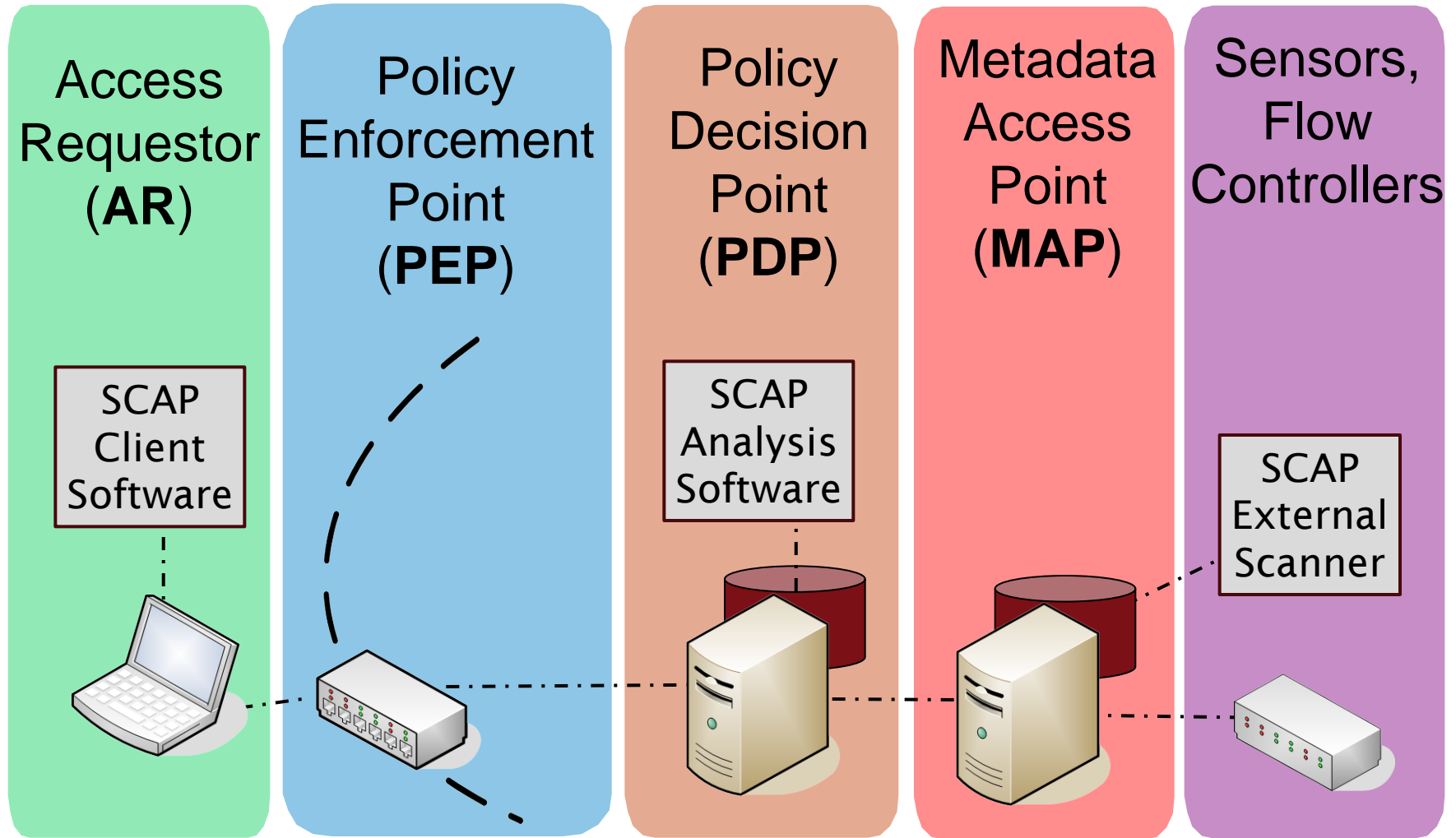
User-Specific Policies



TNC Architecture



TNC and SCAP Together



Strengths of TNC and SCAP

TNC Strengths

- Network and Endpoint Visibility
- Network Enforcement
- Device Remediation
- Security System Integration

SCAP Strengths

- Device Assessment
- Compliance Management
- Deep, Consistent Content Libraries

Both SCAP and TNC

- Open Standards
- Vendor Neutral
- Widely Implemented



Benefits of TNC and SCAP Together

Security automation

- At the desktop (SCAP)
- In the network (TNC)
- Across all security systems (TNC)

- ... Leading to lower costs and stronger security

Open standards throughout

- Completely vendor-neutral
- Enables multi-vendor interoperability
- Lower vendor integration costs – $O(n)$ vs. $O(n^2)$
- Lower customer costs – develop content once, deploy widely

For More Information

TNC Web Site

Technical

http://www.trustedcomputinggroup.org/developers/trusted_network_connect

Business

http://www.trustedcomputinggroup.org/solutions/network_security

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