

Overview of Trusted Network Connect (TNC) IF-MAP

April 2009

What is IF-MAP?

Open Standard for Security and Network Coordination

- Published in May 2008 by the Trusted Computing Group
 - Industry consortium including most large IT vendors
- Freely available for anyone to implement
- Growing base of vendor and product support

Shared database for information on network devices, their state, and their activities

- “MySpace” for IP devices and systems

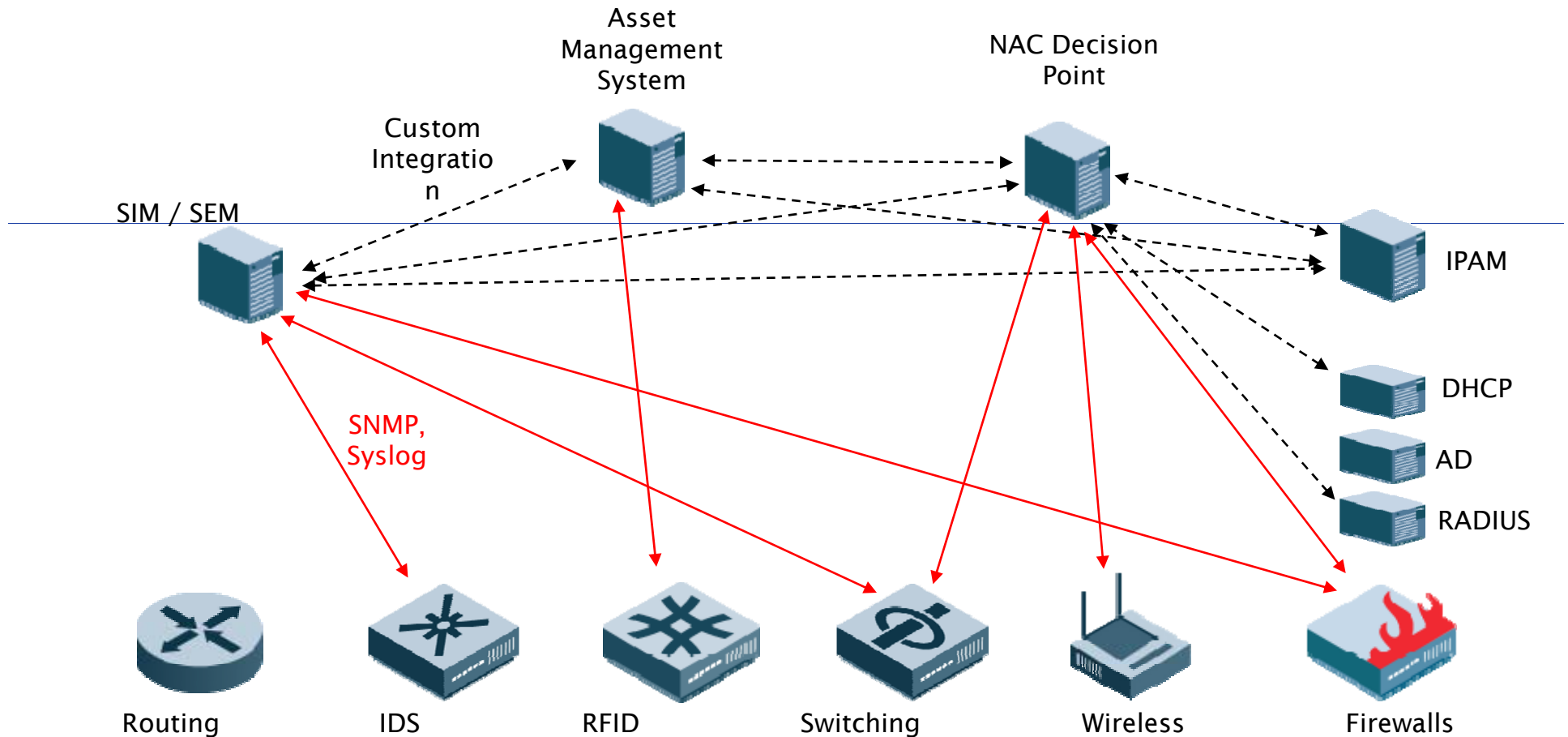
Aggregates real-time information from many different sources

- Both standard data types and vendor-specific extensions

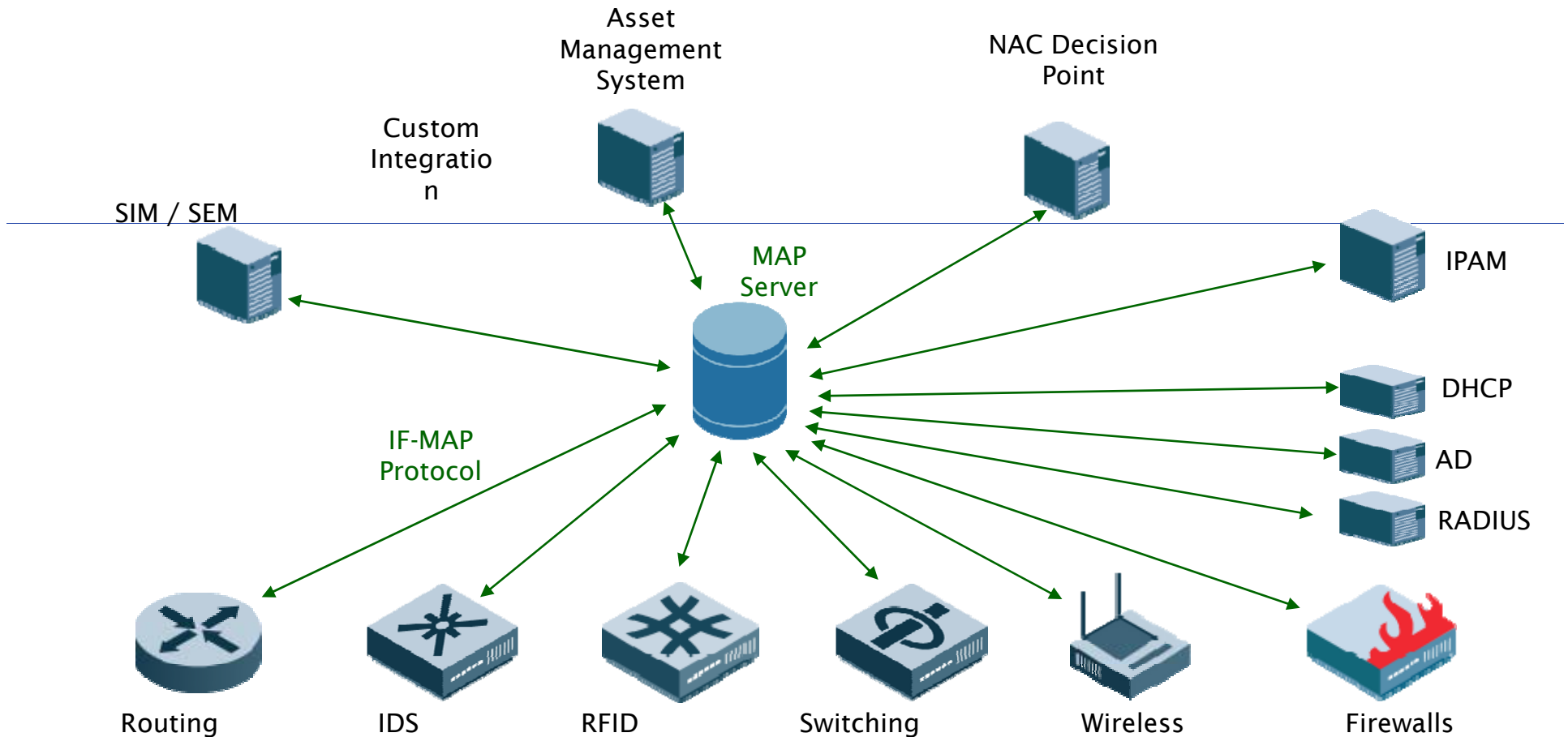
Designed to scale for machine-to-machine coordination



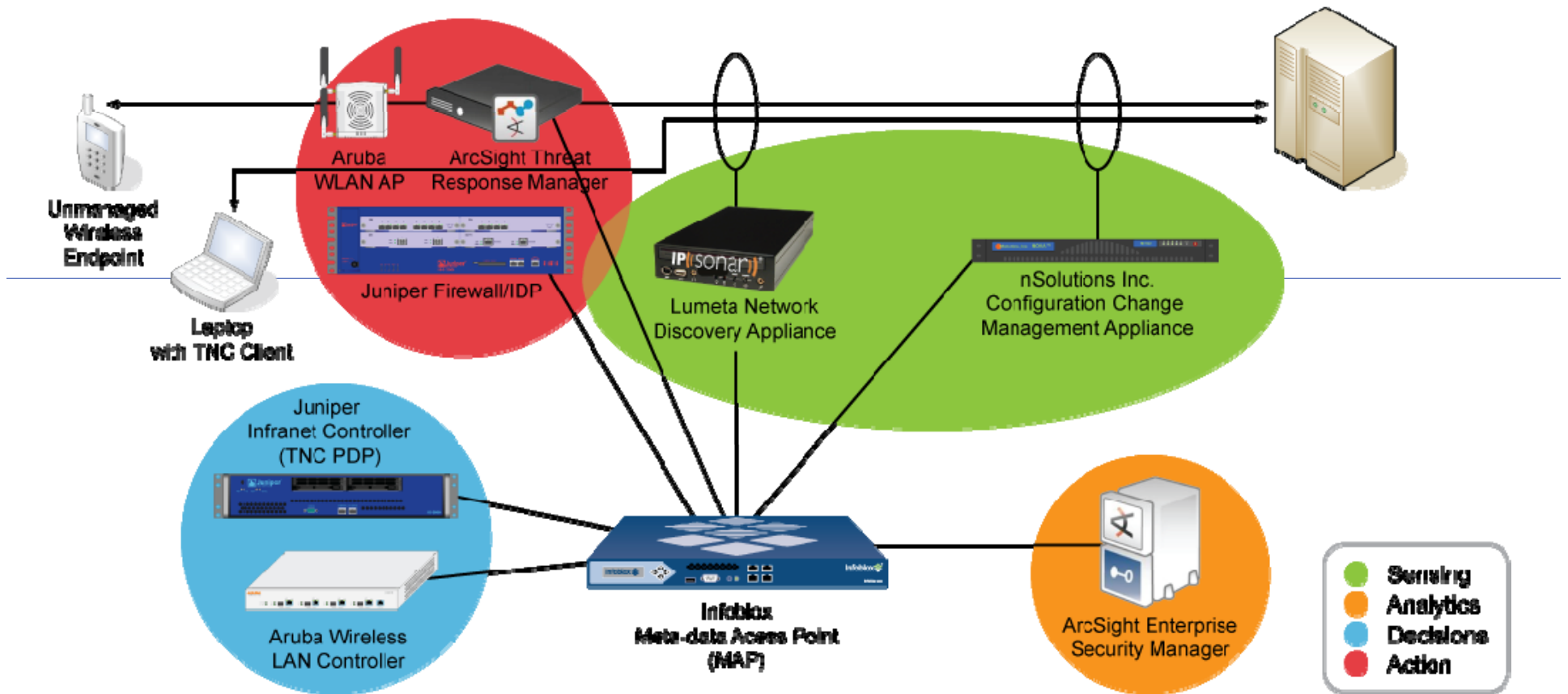
The Situation Today When Systems Want to Coordinate



IF-MAP Makes it Easy for All Devices and Systems to Share Data and Coordinate



Standard Coordination with IF-MAP



Multi-vendor Demo at Interop Las Vegas 2008



IF-MAP Uses

- Enterprise Security
 - Identify and manage network-connected devices (“endpoints”)
 - Including unmanaged endpoints like printers, robots, cameras
 - Monitor and respond to endpoint behavior after network admission
 - Integrate a wide variety of security systems
- Network Location Services
- Enterprise Supply Chain Discovery



Growing Support for IF-MAP

- Interoperability demos
 - Arcsight, Aruba, Infoblox, Juniper, Lumeta & nSolutions
- Very positive response to launch
 - “Best thing since sliced bread” – Network Computing

- Products shipping
 - Juniper UAC 3.0
- Alignment with other standards groups
 - Open Group and MITRE
- Emerging uses
 - Network location
 - Enterprise supply chain discovery



Thank You!

For more information on TNC IF-MAP specification and implementation, please visit:

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

