

IETF NEA BOF

(NEA = Network Endpoint Assessment)

[nea\[-request\]@ietf.org](mailto:nea[-request]@ietf.org)

Steve Hanna, Juniper shanna@juniper.net

Susan Thomson, Cisco sethomso@cisco.com

IETF 66, Tuesday, July 11, 2006, 9:00-11:30 AM

Agenda Review

9:00 Agenda Bashing

9:05 NEA Background Presentation

9:20 Use case

9:50 Architecture

10:20 WG Formation

10:50 Charter

11:15 Next Steps

11:30 Adjourn

NEA Background Presentation

NEA Use Case

- Assess endpoint posture
 - At or after network connection
 - Check compliance with policy
 - Optionally provide remediation information
 - Optionally restrict network access
-
- Lying endpoints
 - Out of scope

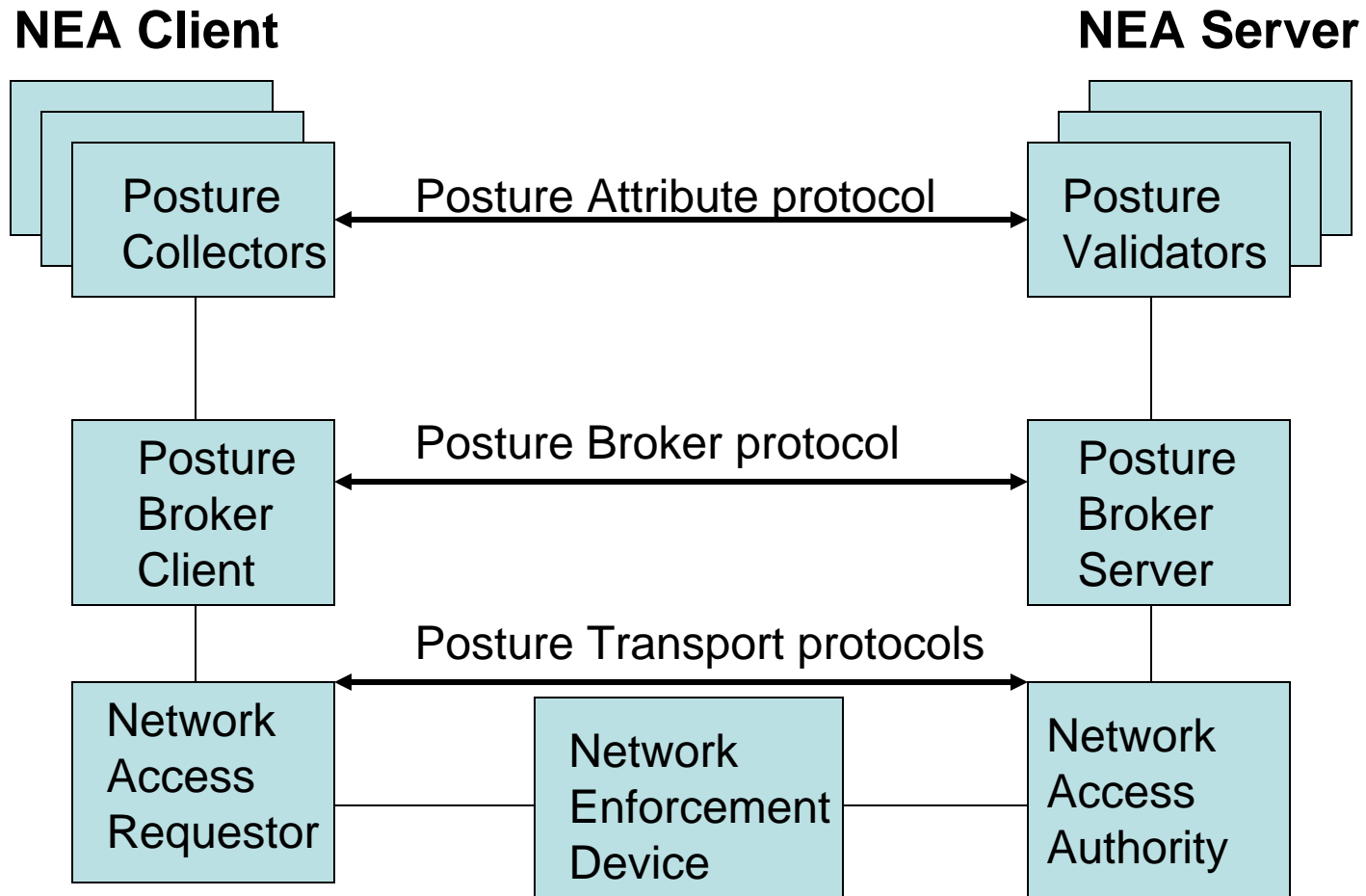
Posture?

- Posture = endpoint info
 - Some standard attributes
 - OS patches
 - AV defs version, last scan
 - FW enabled
 - Whatever else posture collectors send
 - policy version and compliance status
 - hash of something
 - something short

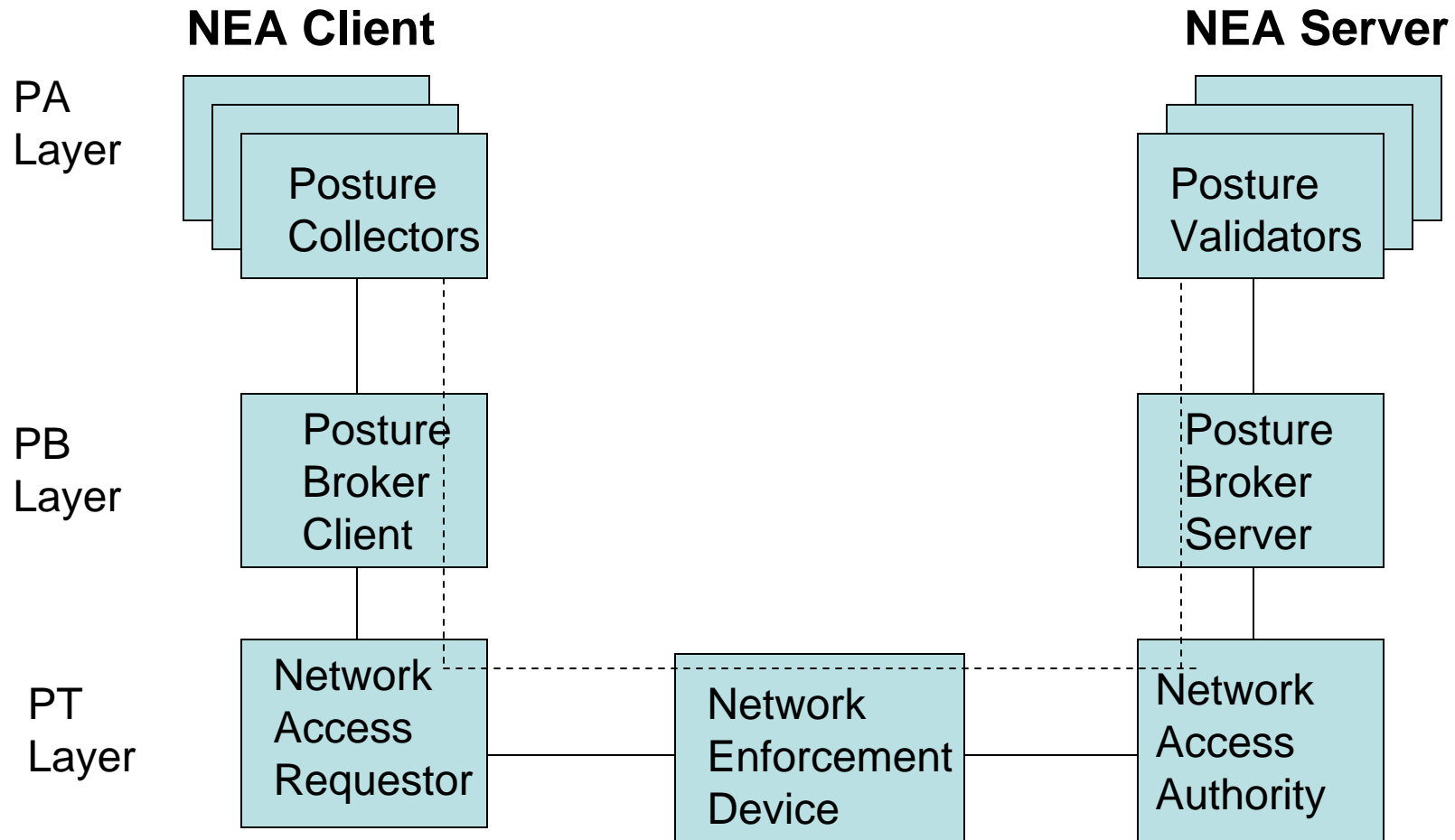
Current Situation

- Many existing NEA architectures, products, and protocols
 - NAC
 - NAP
 - TNC
 - etc.
- Interoperability is customer priority

NEA Architecture



NEA Architecture



NEA History

- email discussion since January 2006
- BOF in March 2006
- Revised charter to address feedback
- Created draft Requirements

NEA Documents

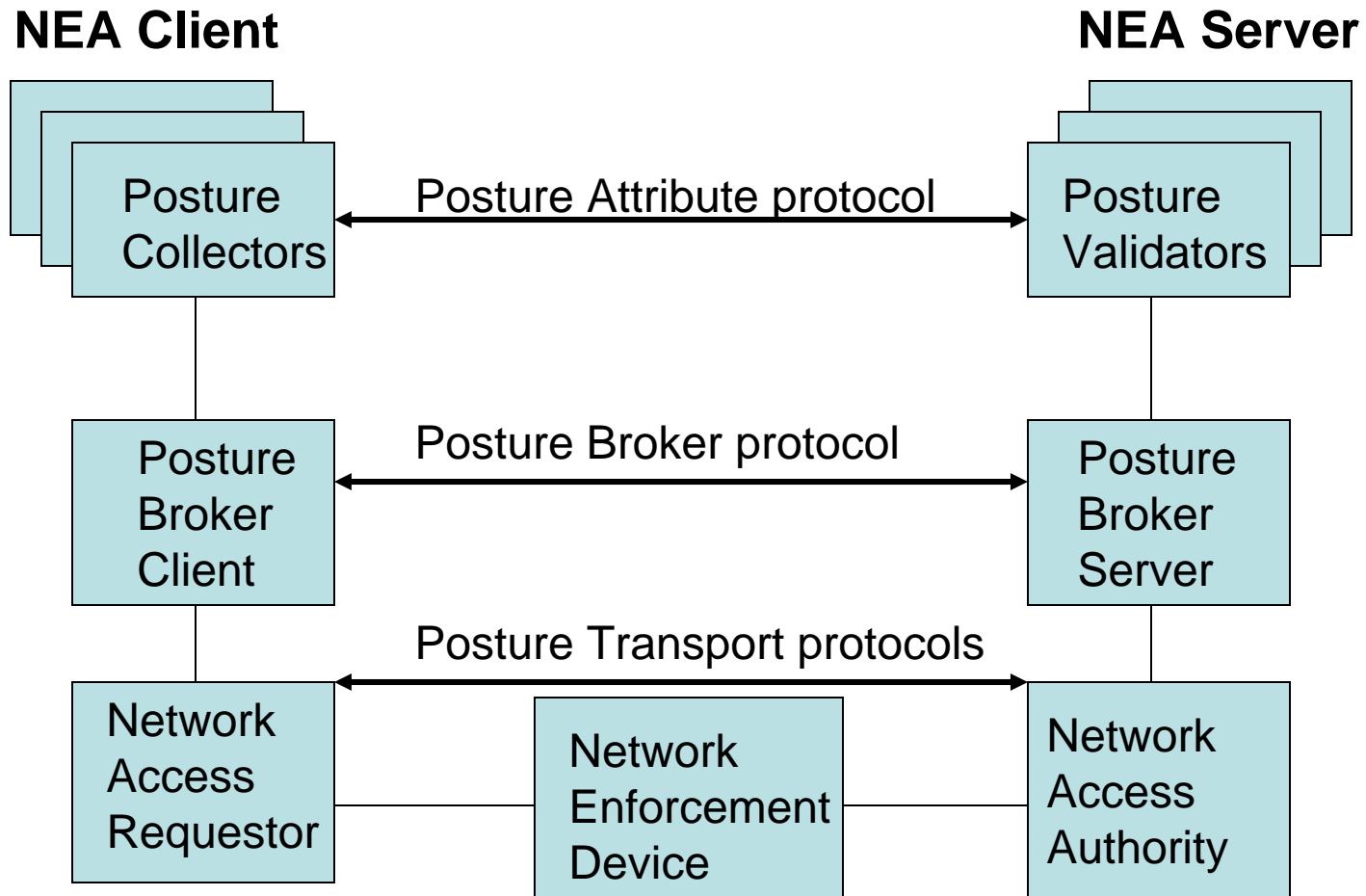
- NEA Charter
 - Linked from IETF 66 Agenda
- NEA Problem Statement
 - `draft-thomson-nea-problem-statement-03.txt`
- Requirements for NEA
 - `draft-khosravi-nea-requirements-01.txt`
- Only charter up for discussion today

Discussion

NEA Use Case

- Assess endpoint posture
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NEA Architecture



NEA WG Formation

- Shall we form a NEA WG with this goal?
 - Achieve NEA client-server interoperability
 - Across a variety of Posture Transports
 - Assuming Posture Transport interoperability
 - Scope as previously described
 - PA w few std attribs and req to pub RFCs for vend attrs
 - PB
 - PT reqs w MTI to be identified by this WG

NEA WG Charter

NEA WG Charter

- Use Case
 - Assess endpoint posture
 - At or after network connection
 - Check compliance with policy
 - Optionally provide remediation information
 - Optionally restrict access

 - Lying endpoints
 - Out of scope

NEA WG Charter

- Interoperability Goal
 - Achieve NEA client-server interoperability
 - Across a variety of Posture Transports
 - Assuming Posture Transport interoperability

NEA WG Charter

- Protocols to be standardized in NEA
 - Posture Attribute protocol (PA)
 - Posture Broker protocol (PB)

NEA WG Charter

- Define requirements for Posture Transport protocols
 - Standardized elsewhere

NEA WG Charter

- Milestones
 - June 2006
 - Submit first version of requirements I-D [DONE]
 - July 2006
 - Agree on charter and milestones at IETF 66
 - September 2006:
 - WG Last Call on NEA Requirements I-D
 - October 2006:
 - Deadline for submission of candidate specs for PA and PB
 - Submit first version of NEA Evaluation I-D
 - November 2006:
 - At IETF 67, review NEA Evaluation I-D
 - December 2006:
 - WG Last Call on NEA Evaluation I-D

NEA WG Charter

- Milestones
 - January 2007:
 - Submit NEA Requirements I-D and Evaluation I-D to IESG as Info RFC
 - Submit first draft of PA and PB specs for review
 - March 2007:
 - Discuss unresolved issues with PA and PB specs at IETF 68
 - Agree on solutions to unresolved issues with PA and PB specs
 - April 2007:
 - Submit revised draft of PA and PB specs
 - June 2007
 - WG Last Call on PA and PB specs
 - July 2007
 - Resolve outstanding Last Call comments on PA and PB at IETF 69
 - August 2007:
 - Submit PA and PB specs to IESG for publication as Proposed

NEA WG Charter

- Comments?
- Questions?
- Consensus?