Vulnerability Assessment Scenario Follow-Up Work

SACM WG Virtual Interim Meeting
01/11/2017
Agenda

• Background

• Objectives

• Approach

• Deliverables

• Next Steps
Background

• Still encountering roadblocks with the Architecture and scope of the IM

• At IETF 97, it was proposed that we simply focus on the interfaces, operations, and data necessary for the scenario

• Sent out an outline for this work on December 19, 2016

1. https://www.ietf.org/proceedings/97/minutes/minutes-97-sacm-00
Objectives

• Identify the tasks that are necessary to execute the scenario and define their inputs and outputs

• Identify the interactions between components in the scenario and define the interfaces and operations required to support them

• Identify the IEs necessary to facilitate the communication of security automation data between components in the scenario

• Validate tasks, interfaces, operations, and IEs by exercising the scenario using multiple CVEs
Approach (1)

• Phase 1
  • Assume components are configured to communicate with each other
  • Create a diagram that shows the components and their interactions with each other (distinguish between required and optional interactions)
  • Identify where different tasks occur in the diagram

• Phase 2
  • For each component, identify the IEs needed to carry out the required interactions and define the necessary interfaces and operations
  • Validate using CVEs
Approach (2)

• Phase 3
  • Identify the IEs needed to carry out the optional interactions and define the necessary interfaces for those interactions
  • Validate using CVEs

• Phase 4
  • Add support for discovery of components and capabilities by other components
  • Validate using CVEs
Deliverables

• Updated Architecture that defines the interfaces and operations required for the scenario

• Updated IM that contains the minimum set of IEs necessary for the scenario

• Multiple examples that use CVEs to validate the scenario
Next steps

• Any questions or comments?

• Is this a work item that the WG wants to pursue?

• Any volunteers to help?