PWG Plenary Status Report
IDS Working Group

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PWG F2F Meeting

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Purpose of the effort

- The industry is moving beyond basic authentication for access to corporate networks to a more detailed assessment of the "health" of devices before allowing them to access the network.
  - Hardcopy Devices attach to networks, but there's no standard set of metrics that is used to assess an HCD.
    - As a result, HCDs are treated as an exception and are allowed to attach to the network based solely on a MAC address.
- Hardcopy Devices are currently allowed unfettered access to and storage of secure and controlled documents. There is no standard for controlling document access and defining usage behavior for protecting secure documents.
- Hardcopy Devices are providing services to mobile devices running different operating system with different methods to consume Hardcopy service. Hardcopy Devices are extending their services as "cloud" resources, and consuming resources from the "cloud". There is no standard or recommended methodology for authenticating and securing the mobile and hardcopy device, their services or the users consuming those services.
- Hardcopy Devices are providing and consuming services outside of the traditional concept of a local user on a physical device. There are currently no standards or recommendation for controlling or validating access to these services.
- Our goal is to provide the metrics and mechanisms that allow HCDs to fully participate in assessment-protected networks and provide secure, controlled access to documents and hardcopy services regardless of location or consumer.

Work Items for the WG

- ## What We're Doing
  - We are defining a standard set of metrics that can be measured or assessed in Hardcopy Devices to gauge if they should be granted access to a network.
    - Current targets are Microsoft Network Access Protocol and Trusted Computing Group Trusted Network Connect.
    - We are defining example "bindings" for how these metrics are used in the individual network assessment protocols and applications
  - We are providing recommendations for identifying and authenticating Hard Copy and mobile devices, services and users in a global workspace.
  - We are defining standard attributes and values for authorizing Hard Copy Devices, their services and users in a global workspace
  - We are defining common log formats and values to facilitate automated log analysis.

- ## What We're NOT Doing
  - We are NOT defining any new assessment protocols, nor assessment extensions to existing authentication protocols.
  - We are NOT endorsing any of the competing network assessment protocols (TNC, NAC, NAP, NEA). Our goal is to enable Hardcopy Devices to participate in any/all of them.

Administration

- **IDS WG Chairs**
  - Joe Murdock (Sharp)
  - Brian Smithson (Ricoh)

- **IDS WG Secretary:**
  - Brian Smithson (Ricoh)

- **IDS WG Document Editors:**
  - HCD-ATR: Jerry Thrasher (Lexmark)
  - HCD-NAP: Joe Murdock (Sharp), Brian Smithson (Ricoh)
  - HCD-TNC: Ira McDonald (Samsung), Jerry Thrasher (Lexmark), Brian Smithson (Ricoh)
  - HCD NAC Business Case: Joe Murdock (Sharp)
  - HCD-Remediation: Joe Murdock (Sharp)
  - HCD-NAP-SCCM: Joe Murdock (Sharp)
  - HCD-Log: Mike Sweet (Apple)
  - IDS-Identification-Authentication-Authorization (IAA): Joe Murdock (Sharp)

Current Status

- HCD-Assessment-Attributes document is stable.
  - XML Schema is under review
- HCD-NAP Binding Document is stable.
- HCD-TNC Binding Document is under development.
  - Target completion date of Q3, 2011.
- HCD-Remediation Specification is under development
  - Target completion date of Q3, 2011.
- HCD-NAP-SCCM specification is on hold
- HCD-Log Specification is under development
  - Target completion date of Q3, 2011.
- IDS-IAA specification is under development
  - Target completion date of Q3, 2011.
- MPSA Article and survey on IDS/NAC published in November MPSA newsletter

Current Activities

- HCD-TNC Binding Specification – (Q3 2011)
  - Interaction with TCG Hardcopy Workgroup
- HCD-Remediation specification (Q3 2011)
- HCD-NAP-SCCM Binding (on hold)
- HCD-Log (Q3 2011)
- IDS-Identification-Authentication-Authorization (Q3 2011)
- IEEE 2600.1 supporting documents (for US NIAP)

More Info/How to participate

➢ We welcome participation from PWG member companies and input from the user community

➢ The group maintains a Web Page and separate WIKI pages for WIMS and for CIM update

http://www.pwg.org/ids/index.html

http://pwg-wiki.wikispaces.com/Imaging+Device+Security+WG

➢ To subscribe to the IDS mailing list, go to :

https://www.pwg.org/mailman/listinfo/ids