PWG Plenary Status Report
IDS Working Group

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Camas, WA

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.
  - Examples of what's being measured for PC Clients:
    - OS Type, Version, Patch Level
    - Anti-virus Type, Version, Definition Level, Is Active

- 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.

- Our goal is to provide the metrics and mechanisms that allow HCDs to fully participate in assessment-protected networks.

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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 MS NAP and IETF NEA.
  - We are defining example "bindings" for how these metrics are used in the individual network assessment protocols.

- 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.

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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-NEA: Randy Turner (Amalfi), Jerry Thrasher (Lexmark)

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Current Status

- HCD Assessments Attributes document is stable.
- HCD-NAP Binding Document is stable.
- HCD-NEA Binding Document is being recast as an TCG TNC Binding document in cooperation with the Trusted Computing Group.
  - Target completion date of Q3 2010.
- Investigating ways to get network management applications to support IDS attributes
  - Developing IDS Marketing Rational document
  - Microsoft System Center/Forefront products
    - No recent contact with Microsoft
    - There is an issue about how to deploy HCD NAP in practice: how can we get MS's SHV to recognize and apply HCD_ATR?
  - Symantec Endpoint Protection product line
    - Initiating contact with Symantec

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Next steps

- Transform NEA Binding Specification – (Q3 2010)
  - Interaction with TCG Hard Copy Working Group
- Seek approval/adoption with respect to assessment protocol vendors.
- Address deployment issues
  - How to securely populate and update SHVs with HCD attributes and base values from vendors?
  - Should we first target the MS SCCM SHV by defining HCD responses that do not require SHV changes?
- Address remediation issues.
  - Develop initial draft of PWG IDS remediation specification

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