Physical Platform Profiles Working Group
Dated 2008-03-10

The information provided below is subject to change and reflects the current knowledge of the Working Group.

Management Problem(s) and Environment

There is a need to define common profiles for managing the physical platforms defined within the scope of the parent sub-committee.

Working Group Charter

The Platform Profiles WG is chartered to define platform independent, interoperable, industry standard management data models, profiles and registries for the aspects of managing the physical aspects of platforms that are within the scope of the parent sub-committee.

Examples of physical platforms include, but are not limited to:
- desktop platforms
- mobile platforms
- bladed PCs
- Servers spanning the spectrum of:
  - Stand alone, blades, racks and partitionable systems
  - Enterprise & Telco
  - Low cost to mission critical

The profiles will enable the following function.

- Remote system power & cooling control (on/off/reset) and monitoring
- Platform asset inventory (hardware, firmware, etc.)
- Discovery of Targeted Platforms
- Provisioning of Targeted Platforms
- OS re-imaging and recovery assistance
- Enumeration of hardware and hardware related software
- OS present/not present, architected transitions independent of OS
- Power control, system control, configuration and monitoring
- OS recovery assistance
- Boot process visibility & control and selection and transfer of boot properties and images.
- Basic alerts & events
- Access to alert, event and other logs – characterize, define content, retrieve and write to logs
- Access to sensor data, including presence, temperature and other sensors.
- View and set status indicators (LED, text LCD, alarms etc.)
- Configuration of service processors and their components and services.
- Media redirection and KVM
- Access to security information, such as accounts, groups and security modules
- Network Interface monitoring and control including wired and wireless.
- IO interconnect technologies such as PCI, SMBus, Bluetooth, USB and other interconnects.

In the course of authoring profiles, the WG will identify schema additions and modifications as necessary and work with the Schema Sub-Committee to incorporate these changes.

The Physical Platform Profiles WG reports to the Platforms Subcommittee.

Alliance Partnerships

- SNIA

- TCG
- TGG

Reliance/Coordination with other WG Models

The Physical Platform Profiles WG will work closely with the Schema Sub-Committee and the other WGs under the Platform Management Sub-Committee. The WG will also work closely with other WGs using these profiles, such as the SMWG, DMWG and SVPC.

Prior Work

DSP #	VERSION	DOCUMENT TITLE
DSP1004	1.0	Base Server Profile
DSP1005	1.0	CLP Service Profile
DSP1006	1.0	SMASH Collections Profile
DSP1007	1.0	SM CLP Admin Domain Profile
DSP1008	1.0	Modular Systems Profile
DSP1009	1.0	Sensors Profile
DSP1010	1.0	Record Log Profile
DSP1011	1.0	Physical Asset Profile
DSP1012	1.0	Boot Control Profile
DSP1013	1.0	Fan Profile
DSP1014	1.0	Ethernet Port Profile
DSP1015	1.0	Power Supply Profile
DSP1016	1.0	Telnet Service Profile
DSP1017	1.0	SSH Service Profile
DSP1018	1.0	Service Processor Profile
DSP1019	1.0	Device Tray Profile
DSP1020	1.0	Pass-Through Module Profile
DSP1021	1.0	Shared Device Management Profile
DSP1022	1.0	CPU Profile
DSP1023	1.0	Software Inventory Profile
DSP1024	1.0	Text Console Redirection Profile
DSP1025	1.0	Software Update Profile
DSP1026	1.0	System Memory Profile
DSP1027	1.0	Power State Management Profile
DSP1028	1.0	Alarm Device Profile
DSP1029	1.0	OS Status Profile
DSP1030	1.0	Battery Profile
DSP1035	1.0	Host LAN Network Port Profile
DSP1036	1.0	IP Interface Profile
DSP1037	1.0	DHCP Client Profile
DSP1038	1.0	DNS Client Profile
DSP1039	1.0	Role Based Authorization Profile
DSP1040	1.0	Platform Watchdog Profile
DSP1052	1.0	Computer System Profile
DSP1058	1.0	Base Desktop and Mobile Profile
DSP1074	1.0	Indicator LED Profile
DSP1075	1.0	PCI Device Profile
DSP1076	1.0	KVM Redirection Profile
DSP8007	1.0	Platform Message Registry

Current Work – Overview, Deliverables and Timeline

- Take current profile set to Final
- Extend existing profiles with Indications support
- Deepen the functionality provided by existing profiles
- Update existing profiles as appropriate to specialise DSP1080
- DSP0244 - Pet to CIM Indication Mapping Specification

- DSP1061 – BIOS Profile
- DSP8021 – BIOS Attribute Registry
- Add additional profiles as needed, such as for a TPM

DMTF Contacts

Chair: platformprofiles-chair@dmtf.org

To join the DMTF and/or the WG, see http://www.dmtf.org/join/
and http://www.dmtf.org/apps/org/workgroup/platformprofiles/