



## DMTF Fact Sheet

<p><b>Organization</b></p>	<p>DMTF enables more effective management of millions of IT systems worldwide by bringing the IT industry together to collaborate on the development, validation and promotion of systems management standards. The group spans the industry with 160 member companies and organizations, and more than 4,000 active participants crossing 43 countries. The DMTF board of directors is led by 15 innovative, industry-leading technology companies. With this deep and broad reach, DMTF creates standards that enable interoperable IT management. DMTF management standards are critical to enabling management interoperability among multi-vendor systems, tools and solutions within the enterprise. Information about DMTF technologies and activities can be found at <a href="http://www.dmtf.org">http://www.dmtf.org</a>.</p>
<p><b>Initiatives</b></p>	<ul style="list-style-type: none"> <li>• <b>Common Diagnostic Model (CDM) Initiative</b> – CDM is used to evaluate the health of computer system components in multi-vendor environments. It specifies diagnostic instrumentation that can be utilized by vendors (OEMs and system builders) and platform management applications to determine the health of a computer system component. Because it uses CIM as its foundation, CDM diagnostic tests can be integrated into critical management functions. The CDM Initiative strives to make it easy for component vendors to implement CDM diagnostics tests and ultimately deliver more robust, easy-to-manage systems to users.</li> <li>• <b>Desktop and mobile Architecture for System Hardware (DASH) Initiative</b> – DASH is a suite of specifications that takes advantage of the DMTF’s Web Services for Management (WS-Management) standard – delivering a web services-based standard for desktop and mobile management. DASH provides the next generation of standards for secure, in-band, out-of-band and remote management of desktop and mobile systems. The DASH Initiative strives to promote the DASH standard in the industry and enable vendors to implement compliant, interoperable DASH solutions.</li> <li>• <b>Storage Management Initiative:</b> SMI is a Storage Networking Industry Association (SNIA) Initiative to standardize interoperable storage management technologies, based on the rich foundation provided by DMTF’s Management Profiles, and CIM and WBEM standards.</li> <li>• <b>Systems Management Architecture for Server Hardware (SMASH) Initiative</b> - This suite of specifications, which also takes advantage of the WS-Management standard, delivers architectural semantics, industry standard protocols and profiles to unify the management of data center systems, including servers, blades and racks. SMASH specifies a programmatic web services interface for secure in-band, out-of-band and remote management of server hardware, which enables server hardware management in both out-of-service and out-of-band environments. SMASH also describes a Command Line Protocol (CLP)</li> </ul>

	<p>that provides a standard command line interface for managing heterogeneous servers in the data center independent of machine state, operating system state, server system topology or access method. The SMASH Initiative strives to promote the SMASH standard in the industry and enable vendors to implement compliant, interoperable SMASH solutions.</p> <ul style="list-style-type: none"> <li>• <b>Virtualization Management Initiative (VMAN)</b> - VMAN unleashes the power of virtualization by delivering broadly supported interoperability and portability standards to virtual computing environments. As another initiative based on the CIM and WBEM standards, the suite of management standards helps IT managers deploy virtual computer systems, discover/inventory virtual computer systems, manage the lifecycle of virtual computer systems, create/modify/delete virtual resources and monitor virtual systems for health and performance. The VMAN initiative strives to promote standards for virtualization management within the industry and enable vendors to implement compliant, interoperable virtualization management solutions.</li> </ul>
<b>Standards</b>	<ul style="list-style-type: none"> <li>• <b>Common Information Model (CIM)</b> - is a proven, object-oriented model for describing computing, networking and storage environments. It defines “rules” and provides the details for integration with other management models. CIM is the foundation for many management standards by providing the basis for a set of management tools and applications for fostering interoperability within IT environments.</li> <li>• <b>Web-Based Enterprise Management (WBEM)</b> - is a set of management and Internet standards developed to unify the management of computing environments. WBEM provides the ability for the industry to deliver a well-integrated set of standard-based management tools for distributed management, facilitating the exchange of data across boundaries.</li> <li>• <b>System Management BIOS (SMBIOS)</b> - is a specification that addresses how motherboard and system vendors present management information about their products in a standard format by extending the BIOS interface on x86 architecture systems.</li> <li>• <b>Platform Management Component Intercommunications (PMCI)</b> - is a set of specifications that standardize communications between the various components of a management subsystem and includes a set of standard protocols, interfaces, and platform-level data models across a full range of platforms – including traditional desktop systems, mobile, laptop and server computers, bladed PCs and thin clients.</li> </ul>
<b>Fast Facts</b>	<ul style="list-style-type: none"> <li>• Founded in 1992, DMTF brings the technology industry’s customers and top vendors together in a collaborative, working group approach.</li> <li>• With participants from 160 organizations contributing to the organization’s more than 25 Work Groups and affiliated sub-teams, DMTF involves members in all aspects of specification development and refinement.</li> <li>• In 1994, DMTF delivered the industry’s first desktop management standard, DMI, which gave component vendors – for the first time – a consistent and non-proprietary way to make their products manageable.</li> <li>• Since 1999, DMTF’s CIM has served as the basis for the Storage Networking Industry Association’s (SNIA) Storage Management Initiative Specification (SMI-S).</li> <li>• The 16 Alliance Partners of DMTF include Blade Systems Alliance (BladeS), Cloud Security Alliance (CSA), CompTIA, Consortium for</li> </ul>

	Service Innovation, National Institute of Standards and Technology (NIST), Open Grid Forum (OGF), Object Management Group (OMG), The Open Group (TOG), Printer Working Group (PWG), Service Availability Forum (SA Forum), Storage Networking Industry Association (SNIA), TeleManagement Forum (TM Forum), the Trusted Computing Group (TCG), Unified Extensible Firmware Interface (UEFI), SNIA/DMTF CR Process Flow and The Green Grid (TGG).
<b>Board of Directors</b>	<ul style="list-style-type: none"> <li>• AMD</li> <li>• Broadcom Corporation</li> <li>• CA, Inc.</li> <li>• Cisco</li> <li>• Citrix Systems, Inc.</li> <li>• Dell</li> <li>• EMC</li> <li>• Fujitsu</li> <li>• Hitachi</li> <li>• HP</li> <li>• IBM</li> <li>• Intel Corporation</li> <li>• Microsoft Corporation</li> <li>• Oracle</li> <li>• VMware, Inc.</li> </ul>
<b>Membership/ Partnership</b>	DMTF offers a variety of membership levels designed to encourage participation from all those interested in distributed management. End users, government organizations, vendors and Systems Integrators/ Value Added Resellers are all encouraged to join DMTF for front line access to standards and opportunity to participate in the process of defining them. DMTF also partners with other standards bodies through its highly successful Alliance Partner program, and encourages university research through its more than 50 Academic Alliance Partners.
<b>For More Information</b>	<ul style="list-style-type: none"> <li>• Visit the DMTF Web site at <a href="http://www.dmtf.org">http://www.dmtf.org</a>.</li> <li>• DMTF press releases can be viewed at <a href="http://www.dmtf.org/newsroom">http://www.dmtf.org/newsroom</a>.</li> <li>• For examples and descriptions of how DMTF technologies are being implemented by members and deployed in many IT operations worldwide, view the DMTF Marketplace at <a href="http://www.dmtf.org/marketplace">http://www.dmtf.org/marketplace</a>.</li> </ul>

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