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# CDM Certification

Jeff Rose





## Disclaimer

- The information in this presentation represents a snapshot of work in progress within the DMTF.
- This information is subject to change. The Standard Specifications remain the normative reference for all information.
- For additional information, see the Distributed Management Task Force (DMTF) Web site.



The DMTF was formed to lead the development, adoption and unification of management standards and initiatives for desktop, enterprise and internet environments



# CDM Certification

- Conformance Testing Model
- CDM Certification Process
- Vendor Requirements Specification
- Conformance Test Participation
- Conclusion
- Q & A



# Conformance Testing Model

- Basic model will be a “self-serve” model
  - Enough infrastructure to insure test result integrity
  - Must be DMTF and CDM Forum member to have access to tools
- Components
  - Conformance test tools
  - Certification process
  - Vendor Requirements Specification



# CDM Certification Process

Self-Certification located on Member only side of the DMTF website

- Download CDM Testing Tool
- Running of test
  - Generation of output file (results file) – Digitally signed
  - Authentication of results file – Digitally signed
- Upload of results file – Digitally signed
  - Check Integrity of file
  - Approval received from Company for posting their results to the website
- Post to the DMTF website



# Vendor Requirements Specification

- First draft of the Vendor Requirements Specification is being drafted
  - Focus on requirements for profile compliance
    - CIM schema version
    - CDM Profile version
- Second draft will expand to include standardized minimal test coverage
  - Addresses concerns of differing requirements
  - Reduces time to market



# Conformance Test Participation

- Two ways to participate in the CDM conformance test development
  - Join the CDM Forum
    - As a CDM Forum leadership company
      - Access to source code
      - Early access to tools
      - Full voting rights
    - As a CDM Forum participatory company
      - Access to binaries only
      - “A” rev releases only
      - Provide input on tools and process
  - Attend CDM Plug fests
- Forum participation is open to all DMTF members



# Conclusion

- OEMs intend to require “Certified” CDM providers.
  - Conformance test suite & certification process are progressing towards completion
  - Initial draft of Vendor Requirements Specification is in development
- Join CDM Forum now and have the opportunity to affect the certification process and the tools used in the process



# Questions and Answers

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## Q&A

# Self Certification

Hope Hines





# Self Certification

- Self Certification Overview
- Self Certification Architecture
- Self Certification Process
- Current Status
- Conclusion
- Q & A



# Self Certification Overview

- Tool and process to allow companies to do online and self certification of their products
- Allows CDM Forum member companies to access the CDM Test Suite (CTS) for testing
- Verification and validation of test results for certification



# Self Certification Architecture





# Self Certification Process

- Process between the company and DMTF website
  - Company connects to the DMTF Website.
  - If company is not a DMTF and CDM Forum member, needs to apply for the membership and become an authorized user.
  - Company signs into the DMTF member area using username and password. KAVI server verifies username and password.
  - Company downloads CDM Conformance Test Suite.
  - Company uploads signed Test Results File at the website.



# Self Certification Process

- Process between the company and the conformance testing tools
  - Company configures the tool and provides the necessary input XML files to perform the Conformance testing.
  - Company starts the Conformance testing.
  - Company can perform the following commands with the tool.
    - Stop Conformance test before completion.
    - Exit from the tool.
    - View Conformance testing result.
  - Conformance Test tool will generate the output result file.



# Self Certification Process

- Process between the DMTF server and Self Certification server
  - DMTF Server will connect to Self Certification server.
  - Self Certification Server will validate the result file and return the status
  - Self Certification Server will send the Conformance Test result file.



## Current Status

- Self Certification tool is integrated with CDM test suite
- In progress for integrating with DMTF website
- Overall validation and testing of self certification process to begin 1QTR08



# Questions and Answers

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## Q&A



# Definitions

- CDM – Common Diagnostic Model
- CIM – Common Information Model
- CIMOM – CIM Object Manager
- COM – Component Object Model
- CRU – Customer Replaceable Unit
- DCOM – Distributed Component Object Model
- DMTF – Distributed Management Task Force
- FRU – Field Replaceable Unit



## Definitions Cont.

- CDM Profile - “A profile is a collection of Common Information Model (CIM) elements and behavior rules that represent a specific area of management. The purpose of a profile is to ensure interoperability in the use of web-based enterprise management (WBEM) services for a specific subset of the Distributed Management Task Force (DMTF) CIM schema for a specific management area—in this case, diagnostics.”  
DMTF – Diagnostics Profile Version: 1.0.0a