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Base Server Profile SM CLP Command Mapping Specification

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Foreword

The *Base Server Profile SM CLP Command Mapping Specification* (DSP0800) was prepared by the Server Management Working Group.

Conventions

The pseudo-code conventions utilized in this document are the Recipe Conventions as defined in the SNIA SMI-S 1.1.0, section 7.6.

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Introduction

This document defines the SM CLP mapping for CIM elements described in the *Base Server Profile*. The information in this specification, combined with the *SM CLP-to-CIM Common Mapping Specification 1.0*, is intended to be sufficient to implement SM CLP commands relevant to the classes, properties, and methods described in the *Base Server Profile* using CIM operations.

The target audience for this specification is implementers of the SM CLP support for the *Base Server Profile*.

Base Server Profile SM CLP Command Mapping Specification

1 Scope

This specification contains the requirements for an implementation of the SM CLP to provide access to, and implement the behaviors of, the *Base Server Profile*.

2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

2.1 Approved References

DMTF DSP1004, *Base Server Profile 1.0*,
http://www.dmtf.org/standards/published_documents/DSP1004_1.0.pdf

DMTF DSP0834, *Computer System Profile SM CLP Command Mapping Specification 1.0*,
http://www.dmtf.org/standards/published_documents/DSP0834_1.0.pdf

DMTF DSP0216, *SM CLP-to-CIM Common Mapping Specification 1.0*,
http://www.dmtf.org/standards/published_documents/DSP0216_1.0.pdf

SNIA, *Storage Management Initiative Specification (SMI-S) 1.1.0*,
http://www.snia.org/tech_activities/standards/curr_standards/smi/

2.2 Other References

ISO/IEC Directives, Part 2, *Rules for the structure and drafting of International Standards*,
http://isotc.iso.org/livelink/livelink.exe?func=ll&objId=4230456&objAction=browse&sort=subtype

3 Terms and Definitions

For the purposes of this document, the following terms and definitions apply.

3.1
can
used for statements of possibility and capability, whether material, physical, or causal

3.2
cannot
used for statements of possibility and capability, whether material, physical or causal

3.3
conditional
indicates requirements to be followed strictly in order to conform to the document when the specified conditions are met

3.4
mandatory
indicates requirements to be followed strictly in order to conform to the document and from which no deviation is permitted

3.5
may
indicates a course of action permissible within the limits of the document

3.6
need not
indicates a course of action permissible within the limits of the document

3.7
optional
indicates a course of action permissible within the limits of the document

3.8
shall
indicates requirements to be followed strictly in order to conform to the document and from which no deviation is permitted

3.9
shall not
indicates requirements to be followed strictly in order to conform to the document and from which no deviation is permitted

3.10
should
indicates that among several possibilities, one is recommended as particularly suitable, without mentioning or excluding others, or that a certain course of action is preferred but not necessarily required

3.11
should not
indicates that a certain possibility or course of action is deprecated but not prohibited

4 Symbols and Abbreviated Terms

The following symbols and abbreviations are used in this document.

4.1
CIM
Common Information Model

4.2
CLP
Command Line Protocol

4.3
DMTF
Distributed Management Task Force

149 **4.4**
150 **IETF**
151 Internet Engineering Task Force

152 **4.5**
153 **SM**
154 Server Management

155 **4.6**
156 **SMI-S**
157 Storage Management Initiative Specification

158 **4.7**
159 **SNIA**
160 Storage Networking Industry Association

161 5 Recipes

162 The following is a list of the common recipes used by the mappings in this specification. For a definition of
163 each recipe, see the *SM CLP-to-CIM Common Mapping Specification 1.0* (DSP0216).

164 6 Mappings

165 The following sections detail the mapping of CLP verbs to CIM Operations for each CIM class defined in
166 Base System Profile. Requirements specified here related to the support for a CLP verb for a particular
167 class are solely within the context of this profile.

168 6.1 CIM_ComputerSystem

169 There are no additional constraints beyond those specified in DSP0834.

170 6.2 CIM_ElementCapabilities

171 There are no additional constraints beyond those specified in DSP0834.

172 6.3 CIM_EnabledLogicalElementCapabilities

173 There are no additional constraints beyond those specified in DSP0834.

174 6.4 CIM_HostedService

175 There are no additional constraints beyond those specified in DSP0834.

176 6.5 CIM_ServiceAffectsElement

177 There are no additional constraints beyond those specified in DSP0834.

178 6.6 CIM_TimeService

179 There are no additional constraints beyond those specified in DSP0834.

ANNEX A
(informative)

Change Log

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1.0.0	2009-06-04		DMTF Standard Release