

Record Log Profile

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1

Record Log Profile

2 1 Scope

3 The DCIM Record Log Profile provides the management capabilities to represent logs of a managed
4 system element. This profile provides information on managing Lifecycle and System Event logs. The log
5 is modeled as referencing the managed system elements that populate the log, and the profile
6 registration for the schema implementation version information.

7 2 Normative References

8 Refer to the following documents for more information.

9 **NOTE:** For dated references, only the edition cited applies. For undated references, the latest edition of
10 the referenced document (including any amendments) applies.

- 11 • DMTF DSP1010, *Record Log Profile 2.0.0*
- 12 • DMTF DSP1033, *Profile Registration Profile 1.0.0*
- 13 • DMTF DSP0226, *Web Services for Management (WS-Management) Specification 1.1.0*
- 14 • DMTF DSP0227, *WS-Management CIM Binding Specification 1.0.0*
- 15 • *Dell Lifecycle Controller Best Practices Guide 1.0*,
- 16 http://en.community.dell.com/techcenter/extras/m/white_papers/20066173.aspx
- 17 • *Dell WSMAN Licenses and Privileges 1.0*
- 18 • Dell Tech Center MOF Library: <http://www.delltechcenter.com/page/DCIM.Library.MOF>
- 19 • Related Managed Object Format (MOF) files:
 - 20 ○ DCIM_LCLogEntry.mof
 - 21 ○ DCIM_LCRecordLog.mof
 - 22 ○ DCIM_LCRecordLogCapabilities.mof
 - 23 ○ DCIM_LCElementCapabilities.mof
 - 24 ○ DCIM_LCUseOfLog.mof
 - 25 ○ DCIM_LCLogManagesRecord.mof
 - 26 ○ DCIM_SELLogEntry.mof
 - 27 ○ DCIM_SELRecordLog.mof
 - 28 ○ DCIM_SELRecordLogCapabilities.mof
 - 29 ○ DCIM_SELElementCapabilities.mof
 - 30 ○ DCIM_SELUseOfLog.mof
 - 31 ○ DCIM_SELLogManagesRecord.mof

32 3 Terms and Definitions

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

- 34 **3.1**
35 **Conditional** – Indicates requirements to be followed strictly in order to conform to the document when the
36 specified conditions are met.
- 37 **3.2**
38 **Mandatory** – Indicates requirements to be followed strictly in order to conform to the document and from
39 which no deviation is permitted.
- 40 **3.3**
41 **May** – Indicates a course of action permissible within the limits of the document.
- 42 **3.4**
43 **Optional** – Indicates a course of action permissible within the limits of the document.
- 44 **3.5**
45 **can** – Used for statements of possibility and capability, whether material, physical, or causal.
- 46 **3.6**
47 **cannot** – Used for statements of possibility and capability, whether material, physical, or causal.
- 48 **3.7**
49 **need not** – Indicates a course of action permissible within the limits of the document.
- 50 **3.8**
51 **referencing profile** – Indicates a profile that owns the definition of this class and can include a reference
52 to this profile in its “Related Profiles” table.
- 53 **3.9**
54 **shall** – Indicates requirements to be followed strictly in order to conform to the document and from which
55 no deviation is permitted.
56

57 **4 Symbols and Abbreviated Terms**

58 **4.1**

59 **CIM** – Common Information Model

60 **4.2**

61 **iDRAC** - Integrated Dell Remote Access Controller – management controller for blades and monolithic
62 servers

63 **4.3**

64 **CMC** – Chassis Manager Controller – management controller for the modular chassis

65 **4.4**

66 **LIFO** – Last In, First Out

67 **4.5**

68 **LCL** – Lifecycle Log

69 **4.6**

70 **SEL** – System Event Log

71 **5 Synopsis**

72 **Profile Name:** Record Log

73 **Version:** 1.0.0

74 **Organization:** DCIM

75 **CIM Schema Version:** 2.26 Experimental

76 **Dell Schema Version:** 1.0.0

77 **Interop Namespace:** root/interop

78 **Implementation Namespace:** root/dcim

79 **Central Class:** DCIM_LCRecordLog, DCIM_SELRecordLog

80 **Scoping Class:** DCIM_ComputerSystem

81 The Record Log Profile is an autonomous profile that provides the management capabilities to represent
82 logs of a managed system element.

83 DCIM_RecordLog shall be the Central Class.

84 Table 1 identifies profiles that are related to this profile.

85

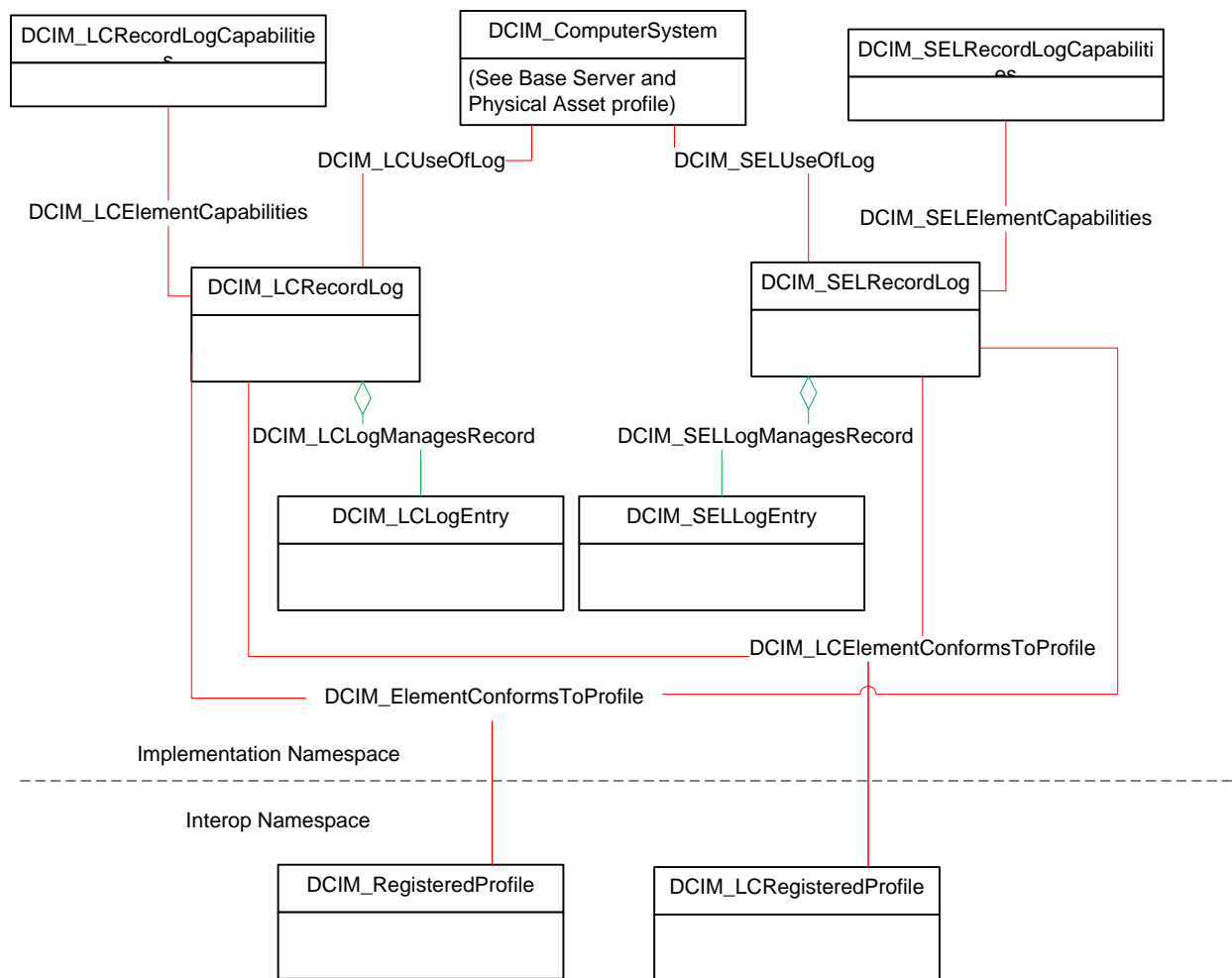
Table 1 – Related Profiles

Profile Name	Organization	Version	Relationship
Profile Registration	DCIM	1.0	Reference
Record Log	DMTF	2.0	Specialize

86 **6 Description**

87 The *Record Log Profile* describes the properties and methods of logs generated by the managed system.
 88 This profile describes the association between the managed system element and the generated logs as
 89 well as how individual log entries are contained within a record log.

90 Figure 1 represents the class diagram for Record Log Profile.



91
92

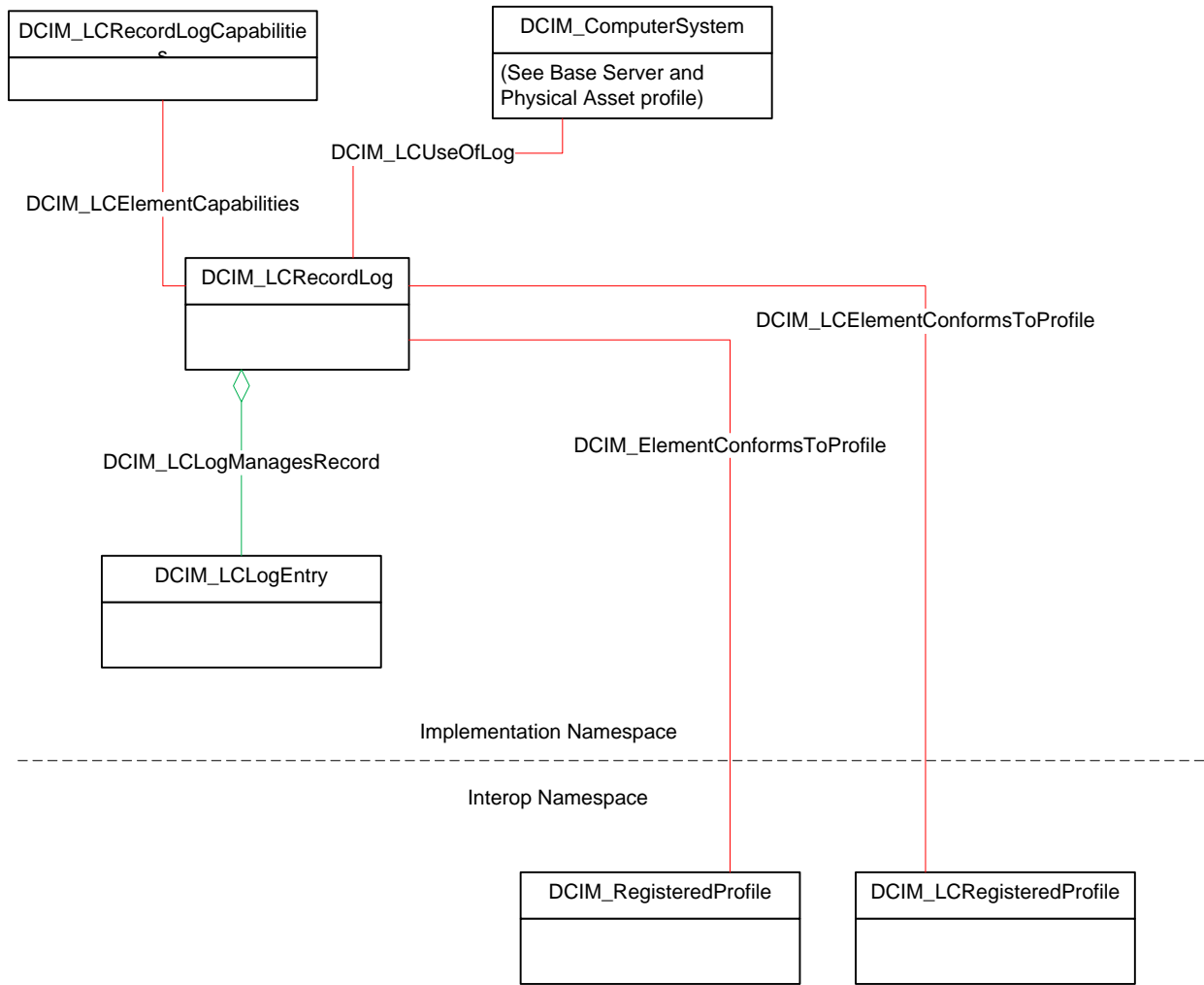
93 **Figure 1 – Record Log Profile Class Diagram**

94 Figure 2 represents the Lifecycle Log (LCL) representation. The DCIM_LCRecordLog class represents
 95 the container for the Lifecycle log entries. The individual log entries, which are represented by the
 96 DCIM_LCLogEntry instances, are aggregated under the DCIM_LCRecordLog instance through the
 97 DCIM_LCLogManagesRecord association. The managed system element that is associated with the log,
 98 uses the log, or populates the log is referenced through the DCIM_LCUseOfLog association. The LC
 99 prefixed class names refer to instances of Lifecycle log.

100 The DCIM_LCRecordLogCapabilities represents and specifies the capabilities of the associated LC
 101 Record Log.

102 The DCIM_LCLogEntry class contains properties describing the Lifecycle Log information about
 103 individual records, such as message text and timestamp.

104



105
 106

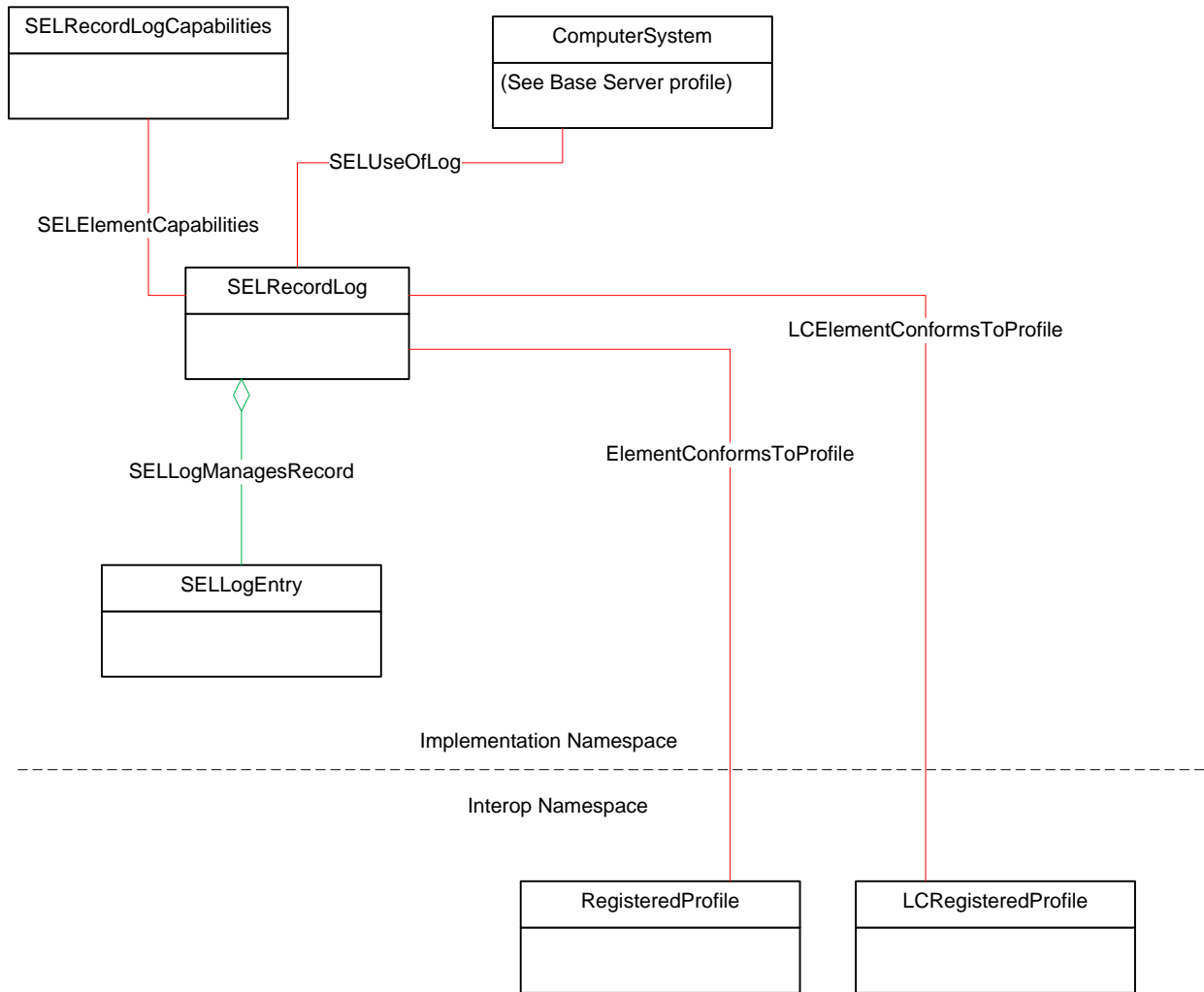
107 **Figure 2 – Record Log Profile Implementation (Lifecycle Log)**

108 Figure 3 represents the System Event Log (SEL) representation. The DCIM_SELRecordLog class
 109 represents the container for the System Event log entries. The individual log entries, which are
 110 represented by the DCIM_SELLogEntry instances, are aggregated under the DCIM_SELRecordLog
 111 instance through the DCIM_SELLogManagesRecord association. The managed system element that is
 112 associated with the log, uses the log, or populates the log is referenced through the DCIM_SELUseOfLog
 113 association. The SEL prefixed class names refer to instances of System Event log.

114 The DCIM_SELRecordLogCapabilities represents and specifies the capabilities of the associated SEL
 115 Record Log.

116 The DCIM_SELLogEntry class contains properties describing the System Event Log information about
 117 individual records, such as message text and timestamp.

118



119
120

121 **Figure 3 – Record Log Profile Implementation (System Event Log)**

122 **7 Implementation Description**

123 This section describes the requirements and guidelines for implementing Record Log Profile.

124 **Table 2 – Class Requirements: Record Log Profile**

Element Name	Requirement	Description
Classes		
DCIM_LCRecordLog	Mandatory	The class shall be implemented in the Implementation Namespace. See section 7.1
DCIM_LCRecordLogCapabilities	Mandatory	The class shall be implemented in the Implementation Namespace. See section 7.2
DCIM_LCLogEntry	Mandatory	The class shall be implemented in the Implementation Namespace. See section 7.3
DCIM_LCElementCapabilities	Mandatory	The class shall be implemented in the Implementation Namespace. See section 7.1 and 7.2
DCIM_LCUseOfLog	Mandatory	The class shall be implemented in the Implementation Namespace. See section 7.1
DCIM_LCLogManagesRecord	Mandatory	The class shall be implemented in the Implementation Namespace. See section 7.1 and 7.3
DCIM_SELRecordLog	Mandatory	The class shall be implemented in the Implementation Namespace. See section 7.4
DCIM_SELRecordLogCapabilities	Mandatory	The class shall be implemented in the Implementation Namespace. See section 7.5
DCIM_SELLogEntry	Mandatory	The class shall be implemented in the Implementation Namespace. See section 7.6
DCIM_SELElementCapabilities	Mandatory	The class shall be implemented in the Implementation Namespace. See section 7.4 and 7.6
DCIM_SELUseOfLog	Mandatory	The class shall be implemented in the Implementation Namespace. See section 7.4
DCIM_SELLogManagesRecord	Mandatory	The class shall be implemented in the Implementation Namespace. See section 7.4 and 7.6
DCIM_ElementConformsToProfile	Mandatory	The class shall be implemented in both the Interop and <i>Implementation</i> Namespaces. See section
DCIM_RegisteredProfile	Mandatory	The class shall be implemented in the <i>Interop</i> Namespace. See section

Element Name	Requirement	Description
DCIM_LCElementConformsToProfile	Mandatory	The class shall be implemented in both the Interop and <i>Implementation Namespaces</i> . See section
DCIM_LCRegisteredProfile	Mandatory	The class shall be implemented in the Interop Namespace. See section
Indications		
None defined in this profile		

125

126 7.1 DCIM_LCRecordLog – Lifecycle Log

127 This section describes the implementation for the DCIM_LCRecordLog class that represents the Lifecycle
 128 log. The Lifecycle Log never overwrites its entries when it approaches the full capacity, the log is
 129 archived into a partition on Lifecycle Controller.

130 DCIM_LCUseOfLog shall reference the DCIM_LCRecordLog class and the DCIM_ComputerSystem
 131 class.

132 DCIM_LCElementCapabilities shall reference the DCIM_LCRecordLog class and the
 133 DCIM_LCRecordLogCapabilities class.

134 DCIM_LCLogManagesRecord shall reference the DCIM_LCRecordLog class and the DCIM_LCLogEntry.

135 This class shall be instantiated in the Implementation Namespace.

136 7.1.1 Resource URIs

137 The class Resource URI shall be “http://schemas.dell.com/wbem/wscim/1/cim-
 138 schema/2/DCIM_LCRecordLog?__cimnamespace=root/dcim”

139 The key property shall be the InstanceID.

140 The instance Resource URI for DCIM_LCRecordLog instance shall be:
 141 “http://schemas.dell.com/wbem/wscim/1/cim-schema/2/DCIM_
 142 LCRecordLog?__cimnamespace=root/dcim+InstanceID=DCIM:LifeCycleLog”

143 7.1.2 Operations

144 The following table lists the implemented operations on DCIM_LCRecordLog.

145 **Table 3 – DCIM_LCRecordLog - Operations**

Operation Name	Requirements	Required Input
Get	Mandatory	Instance URI
Enumerate	Mandatory	Class URI
Invoke	Mandatory	Instance URI (see section 8.2)

146 7.1.3 Class Properties

147 The following table lists the implemented properties for DCIM_LCRecordLog instance representing a
 148 system in a system. The “Requirements” column shall denote whether the property is implemented (for
 149 requirement definitions, see section 3). The “Additional Requirements” column shall denote either
 150 possible values for the property, or requirements on the value formulation.

Table 4 – DCIM_LCRecordLog - Properties

Property Name	Type	Requirements	Additional Requirements
InstanceID	String	Mandatory	The property value shall be "DCIM:LifeCycleLog".
MaxNumberOfRecords	UInt64	Mandatory	The property shall have the value 0 meaning there is no restriction on the maximum number of records.
LogState	UInt16	Mandatory	The property shall have the value 2 (Normal). The successful instantiation of this class denotes that the logging is fully functional.
OverwritePolicy	UInt16	Mandatory	The property shall have the value 8 (Archives), and the log shall archive the old entries when close to its full capacity.
RequestedState	UInt16	Mandatory	The property shall have the value 12 (Not Applicable).
EnabledState	UInt16	Mandatory	The property shall have the value 2 (Enabled). The logging is always enabled.
OperationalStatus[]	UInt16	Mandatory	The property shall have the value 2 (OK). The successful instantiation of this class denotes that the logging is fully functional.
HealthState	UInt16	Mandatory	The property shall have the value 5 (OK). The successful instantiation of this class denotes that the logging is fully functional.
ElementName	String	Mandatory	The property shall have the value "LifeCycle Log".
CurrentNumberOfRecords	UInt64	Mandatory	The property value shall be the number of non-archived section of the LifeCycle Log.

152 **7.2 DCIM_LCRecordLogCapabilities – LC Record Log Capabilities**

153 This section describes the implementation for the DCIM_LCRecordLogCapabilities class.

154 DCIM_LCElementCapabilities shall reference the DCIM_LCRecordLog class and the DCIM_LCRecordLogCapabilities class.

156 This class shall be instantiated in the Implementation Namespace.

157 **7.2.1 Resource URIs**

158 The class Resource URI shall be "http://schemas.dell.com/wbem/wscim/1/cim-schema/2/DCIM_LCRecordLogCapabilities?__cimnamespace=root/dcim"

160 The key property shall be the InstanceID.

161 The instance Resource URI for DCIM_LCRecordLog instance shall be:
 162 "http://schemas.dell.com/wbem/wscim/1/cim-schema/2/DCIM_LCRecordLogCapabilities?__cimnamespace=root/dcim+InstanceID=DCIM:LifeCycleLogCapabilities"

164 **7.2.2 Operations**

165 The following table lists the operations implemented on DCIM_LCRecordLogCapabilities.

Table 5 – DCIM_LCRecordLogCapabilities - Operations

Operation Name	Requirements	Required Input
Get	Mandatory	Instance URI
Enumerate	Mandatory	Class URI

167

168 7.2.3 Class Properties

169 The following table lists the implemented properties for DCIM_LCRecordLogCapabilities instance
170 representing the capabilities of the LCRecordLog. The “Requirements” column shall denote whether the
171 property is implemented (for requirement definitions, see section 3). The “Additional Requirements”
172 column shall denote either possible values for the property, or requirements on the value formulation.

173 **Table 6 – DCIM_LCRecordLogCapabilities - Properties**

Property Name	Type	Requirements	Additional Requirements
InstanceID	String	Mandatory	The property value shall be “DCIM:LifeCycleLogCapabilities”
RequestedStatesSupported[]	Uint16	Mandatory	The property array shall be empty meaning the log state management is not supported
ElementNameEditSupported	Boolean	Mandatory	The property shall have value FALSE.
SupportedRecordTypes[]	Uint16	Mandatory	The property shall have value 3 (Standard Messages).

174 7.3 DCIM_LCLogEntry – LC Log Entry

175 This section describes the implementation for the DCIM_LCLogEntry class.

176 DCIM_LCLogManagesRecord shall reference the DCIM_LCRecordLog class and the DCIM_LCLogEntry.

177 This class shall be instantiated in the Implementation Namespace.

178 7.3.1 Resource URIs

179 The class Resource URI shall be “http://schemas.dell.com/wbem/wscim/1/cim-
180 schema/2/DCIM_LCLogEntry?__cimnamespace=root/dcim”

181 The key property shall be the InstanceID.

182 The instance Resource URI for DCIM_LCLogEntry instance shall be:
183 “http://schemas.dell.com/wbem/wscim/1/cim-
184 schema/2/DCIM_LCLogEntry?__cimnamespace=root/dcim+InstanceID=<InstanceID>”

185 7.3.2 Operations

186 The following table lists the operations implemented on DCIM_LCLogEntry.

187 **Table 7 – DCIM_LCLogEntry - Operations**

Operation Name	Requirements	Required Input
Get	Mandatory	Instance URI
Enumerate	Mandatory	Class URI
Set	Mandatory	Instance URI NOTE: Set operation may modify only the Comment property. NOTE: This operation cannot be used to add a new LCL log entry, such as a worknote, the DCIM_LCService.InsertCommentInLCLog() method in the LC Management Profile shall be invoked.

189 **7.3.3 Class Properties**

190 The following table lists the implemented properties for DCIM_LCLogEntry instance representing a
 191 system in a system. The “Requirements” column shall denote whether the property is implemented (for
 192 requirement definitions, see section 3). The “Additional Requirements” column shall denote either
 193 possible values for the property, or requirements on the value formulation.

194 **Table 8 – DCIM_LCLogEntry – Properties**

Property Name	Type	Requirements	Additional Requirements
InstanceID	String	Mandatory	The property value shall have format “DCIM:<sequence number of log entry>”
LogInstanceID	String	Mandatory	The property value shall be “DCIM:LifeCycleLog”.
LogName	String	Mandatory	The property value shall be “LifeCycle Log”.
RecordID	String	Mandatory	The property value shall be sequence number of log entry.
CreationTimeStamp	Datetime	Mandatory	The property value shall represent time stamp of log entry creation.
ElementName	String	Mandatory	The property value shall represent the detailed description of the logged event.
PerceivedSeverity	uint16	Mandatory	The property value shall represent the severity of the logged event and shall have one of the following values: <ul style="list-style-type: none"> • 2 (Information) • 3 (Degraded/Warning) • 4(Minor) • 5(Major) • 6(Critical) • 7(Fatal/NonRecoverable)
OwningEntity	String	Mandatory	The property value shall be “DCIM”.
MessageID	String	Mandatory	The property value shall represent the message ID corresponding to the logged event.
Message	String	Mandatory	The property value shall represent the detailed description of the logged event.
MessageArguments[]	String	Mandatory	The property value shall be an array containing the dynamic content of the message.
Category[]	String	Mandatory	The property value shall represent the category of the logged event entry and shall be one of the following values: <ul style="list-style-type: none"> • System • Storage • Audit • Configuration • Updates • Work Notes

Property Name	Type	Requirements	Additional Requirements
AgentID	String	Mandatory	The property value shall represent the ID of the source agent responsible for creation of the log entry event.
FQDD	String	Mandatory	The property value shall represent the FQDD of the device that the logged event relates to.
Comment	String	Mandatory	The property value shall represent the user specified comment for the logged event. This property represents only a comment field to an existing log entry. NOTE: This property shall be set using the Set (Put) operation. NOTE: In order to add a new LCL log entry, such as a worknote, the DCIM_LCService.InsertCommentInLCLog() method in the LC Management Profile shall be invoked.
ConfigResultsAvailable	Boolean	Mandatory	The property value of TRUE shall represent that the configuration results are available in the XML format.
RawEventData	String	Optional	The property shall contain the raw event data. In the case of IPMI based events, IPMI SEL binary data.

195 **7.4 DCIM_SELRecordLog – SEL Record Log**

196 This section describes the implementation for the DCIM_SELRecordLog class that represents SEL log.

197 NOTE: iDRAC can only store 512 SEL logs. If this limit is exceeded, the new SEL logs are rejected.

198 DCIM_SELUseOfLog shall reference the DCIM_SELRecordLog class and the DCIM_ComputerSystem
199 class.

200 DCIM_SELElementCapabilities shall reference the DCIM_SELRecordLog class and the
201 DCIM_SELRecordLogCapabilities class.

202 DCIM_SELLogManagesRecord shall reference the DCIM_SELRecordLog class and the
203 DCIM_SELLogEntry.

204 This class shall be instantiated in the Implementation Namespace.

205 **7.4.1 Resource URIs**

206 The class Resource URI shall be “http://schemas.dell.com/wbem/wscim/1/cim-
207 schema/2/DCIM_SELRecordLog?__cimnamespace=root/dcim”

208 The key property shall be the InstanceID.

209 The instance Resource URI for DCIM_SELRecordLog instance shall be:
210 “http://schemas.dell.com/wbem/wscim/1/cim-schema/2/DCIM_
211 SELRecordLog?__cimnamespace=root/dcim+InstanceID= DCIM:SEL:1”

212 **7.4.2 Operations**

213 The following table lists the operations implemented on DCIM_SELRecordLog.

214

Table 9 – DCIM_SELRecordLog – Operations

Operation Name	Requirements	Required Input
Get	Mandatory	Instance URI
Enumerate	Mandatory	Class URI
Invoke	Mandatory	Instance URI (see section 8.1)

215 **7.4.3 Class Properties**

216 The following table lists the implemented properties for DCIM_SELRecordLog instance representing a
 217 system in a system. The “Requirements” column shall denote whether the property is implemented (for
 218 requirement definitions, see section 3). The “Additional Requirements” column shall denote either
 219 possible values for the property, or requirements on the value formulation.

220

Table 10 – DCIM_SELRecordLog - Properties

Property Name	Type	Requirements	Additional Requirements
InstanceID	String	Mandatory	The property value shall be "DCIM:SEL:1".
MaxNumberOfRecords	Uint64	Mandatory	The property shall have the value 512.
LogState	Uint16	Mandatory	The property shall have the value 2 (Normal). The successful instantiation of this class denotes that the logging is fully functional.
OverwritePolicy	Uint16	Mandatory	The property shall have the value 7 (Never Overwrites), and the log may reject logging new events.
RequestedState	Uint16	Mandatory	The property shall have the value 12 (Not Applicable).
EnabledState	Uint16	Mandatory	The property shall have the value 2 (Enabled). The logging is always enabled.
OperationalStatus[]	Uint16	Mandatory	The property shall have the value 2 (OK). The successful instantiation of this class denotes that the logging is fully functional.
HealthState	Uint16	Mandatory	The property shall have the value 5 (OK). The successful instantiation of this class denotes that the logging is fully functional.
ElementName	String	Mandatory	The property value shall be “System Event Log”.
CurrentNumberOfRecords	Uint64	Mandatory	The property value shall represent the number of records in the System Event Log.

221 **7.5 DCIM_SELRecordLogCapabilities – SEL Record Log Capabilities**

222 This section describes the implementation for the DCIM_SELRecordLogCapabilities class.

223 DCIM_SELElementCapabilities shall reference the DCIM_SELRecordLog class and the DCIM_
 224 SELRecordLogCapabilities class.

225 This class shall be instantiated in the Implementation Namespace.

226 **7.5.1 Resource URIs**

227 The class Resource URI shall be “http://schemas.dell.com/wbem/wscim/1/cim-
 228 schema/2/DCIM_SELRecordLogCapabilities?__cimnamespace=root/dcim”

229 The key property shall be the InstanceID.

230 The instance Resource URI for DCIM_SELRecordLog instance shall be:
 231 "http://schemas.dell.com/wbem/wscim/1/cim-schema/2/DCIM_
 232 SELRecordLogCapabilities?__cimnamespace=root/dcim+InstanceID=DCIM:SystemEventLogCapabilities
 233 "

234 7.5.2 Operations

235 The following table lists the operations implemented on DCIM_SELRecordLogCapabilities.

236 **Table 11 – DCIM_SELRecordLogCapabilities - Operations**

Operation Name	Requirements	Required Input
Get	Mandatory	Instance URI
Enumerate	Mandatory	Class URI

237

238 7.5.3 Class Properties

239 The following table lists the implemented properties for DCIM_SELRecordLogCapabilities instance
 240 representing the capabilities of the SELRecordLog. The "Requirements" column shall denote whether the
 241 property is implemented (for requirement definitions, see section 3). The "Additional Requirements"
 242 column shall denote either possible values for the property, or requirements on the value formulation.

243 **Table 12 – DCIM_SELRecordLogCapabilities - Properties**

Property Name	Type	Requirements	Additional Requirements
InstanceID	String	Mandatory	The property shall have the value "DCIM:SystemEventLogCapabilities".
RequestedStatesSupported[]	Uint16	Mandatory	The property array shall be empty because the log state management is not supported
ElementNameEditSupported	Boolean	Mandatory	The property shall have the value FALSE.
SupportedRecordTypes[]	Uint16	Mandatory	The property shall have the value 2 (Record Data).

244 7.6 DCIM_SELLogEntry – SEL Log Entry

245 This section describes the implementation for the DCIM_SELLogEntry class.

246 DCIM_SELLogManagesRecord shall reference the DCIM_SELRecordLog class and the
 247 DCIM_SELLogEntry.

248 This class shall be instantiated in the Implementation Namespace.

249 7.6.1 Resource URIs

250 The class Resource URI shall be "http://schemas.dell.com/wbem/wscim/1/cim-
 251 schema/2/DCIM_SELLogEntry?__cimnamespace=root/dcim"

252 The key property shall be the InstanceID.

253 The instance Resource URI for DCIM_SELLogEntry instance shall be:
 254 "http://schemas.dell.com/wbem/wscim/1/cim-
 255 schema/2/DCIM_SELLogEntry?__cimnamespace=root/dcim+InstanceID=<InstanceID>"

256 7.6.2 Operations

257 The following table details the implemented operations on DCIM_SELLogEntry.

258 **Table 13 – DCIM_SELLogEntry - Operations**

Operation Name	Requirements	Required Input
Get	Mandatory	Instance URI
Enumerate	Mandatory	Class URI
Set	Mandatory	Instance URI

259

260 7.6.3 Class Properties

261 The following table lists the implemented properties for DCIM_SELLogEntry instance representing a
262 system in a system. The “Requirements” column shall denote whether the property is implemented (for
263 requirement definitions, see section 3). The “Additional Requirements” column shall denote either
264 possible values for the property, or requirements on the value formulation.

265 **Table 14 – DCIM_SELLogEntry - Properties**

Property Name	Type	Requirements	Additional Requirements
InstanceID	String	Mandatory	The property value shall have the prefix "DCIM:SEL:Entry:" followed by the index.
LogInstanceID	String	Mandatory	The property value shall be "DCIM:SEL:1".
LogName	String	Mandatory	The property value shall be "System Event Log".
RecordID	String	Mandatory	The property value shall be the sequence number of the log entry.
CreationTimeStamp	Datetime	Mandatory	The property value shall represent the time stamp of the log entry creation.
ElementName	String	Mandatory	The property value shall be the "System Event Log Entry".
RecordData	String	Mandatory	The property value shall represent the detailed description of the logged event.
RecordFormat	String	Mandatory	The property value shall have "string Description".

266

267 7.7 DCIM_RegisteredProfile - DMTF Record Log Profile 1.0 Registration

268 This section describes the implementation for the DCIM_RegisteredProfile class

269 This class shall be instantiated in the Interop Namespace.

270 The DCIM_ElementConformsToProfile shall be instantiate in both the Interop Namespace and
271 Implementation Namespace: root/dcim and shall reference the DCIM_RegisteredProfile instance.

272 7.7.1 Resource URIs for WinRM®

273 The class Resource URI shall be "http://schemas.dell.com/wbem/wscim/1/cim-
274 schema/2/DCIM_RegisteredProfile?__cimnamespace=root/interop"

275 The instance Resource URI shall be: "http://schemas.dell.com/wbem/wscim/1/cim-
276 schema/2/DCIM_LCRegisteredProfile?__cimnamespace=root/interop+InstanceID=
277 DCIM:RecordLogRegisteredProfile:1"

278 The key property shall be the InstanceID property.

279 7.7.2 Operations

280 The following table lists the operations implemented on CIM_RegisteredProfile .

281 **Table 15 – CIM_RegisteredProfile - Operations**

Operation Name	Requirements	Required Input
Get	Mandatory	Instance URI
Enumerate	Mandatory	Class URI

282

283 7.7.3 DCIM_RegisteredProfile Properties

284 The following table lists the implemented properties for CIM_RegisteredProfile instance representing the
285 Record Log Profile implementation. The “Requirements” column shall denote whether the property is
286 implemented (for requirement definitions, see section 3). The “Additional Requirements” column shall
287 denote either possible values for the property, or requirements on the value formulation.

288 **Table 16 – DCIM_RegisteredProfile**

Property Name	Requirement	Type	Additional Requirements
InstanceID	Mandatory	string	The property value shall be “DCIM:RecordLogRegisteredProfile:1”.
RegisteredName	Mandatory	string	This property shall have a value of "Record Log".
RegisteredVersion	Mandatory	string	This property shall have a value of "1.0.0".
RegisteredOrganization	Mandatory	uint16	This property shall have a value of 2 (DMTF).

289 7.8 DCIM_RegisteredProfile - DMTF Record Log Profile 2.0 Registration

290 This section describes the implementation for the DCIM_RegisteredProfile class

291 This class shall be instantiated in the Interop Namespace.

292 The DCIM_ElementConformsToProfile shall be instantiate in both the Interop Namespace and
293 Implementation Namespace: root/dcim and shall reference the DCIM_RegisteredProfile instance.

294 7.8.1 Resource URIs for WinRM®

295 The class Resource URI shall be "http://schemas.dell.com/wbem/wscim/1/cim-
296 schema/2/DCIM_RegisteredProfile?__cimnamespace=root/interop"

297 The instance Resource URI shall be: "http://schemas.dell.com/wbem/wscim/1/cim-
298 schema/2/DCIM_LCRegisteredProfile?__cimnamespace=root/interop+InstanceID=DMTF:RecordLog:2.0.
299 0"

300 The key property shall be the InstanceID property.

301

302 7.8.2 Operations

303 The following table details the implemented operations on CIM_RegisteredProfile .

304

Table 17 – CIM_RegisteredProfile - Operations

Operation Name	Requirements	Required Input
Get	Mandatory	Instance URI
Enumerate	Mandatory	Class URI

305

306 7.8.3 DCIM_RegisteredProfile Properties

307 The following table lists the implemented properties for CIM_RegisteredProfile instance representing the
 308 Record Log Profile implementation. The “Requirements” column shall denote whether the property is
 309 implemented (for requirement definitions, see section 3). The “Additional Requirements” column shall
 310 denote either possible values for the property, or requirements on the value formulation.

311

Table 18 – DCIM_RegisteredProfile

Property Name	Requirement	Type	Additional Requirements
InstanceID	Mandatory	string	DMTF:RecordLog:2.0.0
RegisteredName	Mandatory	string	This property shall have a value of "Record Log".
RegisteredVersion	Mandatory	string	This property shall have a value of "2.0.0".
RegisteredOrganization	Mandatory	uint16	This property shall have a value of 2 (DMTF).
AdvertisedTypes[]	Mandatory	uint16	This property array shall contain [1(Other), 1 (Other)].
AdvertiseTypeDescriptions[]	Mandatory	string	This property array shall contain ["WS-Identify", "Interop Namespace"].

312

313 7.9 DCIM_LCRegisteredProfile - DCIM Record Log Profile Profile Registration

314 This section describes the implementation for the DCIM_RegisteredProfile class

315 This class shall be instantiated in the Interop Namespace.

316 The DCIM_LCElementConformsToProfile shall be instantiate in both the Interop Namespace and
 317 Implementation Namespace: root/dcim and shall reference the DCIM_LCRegisteredProfile instance.

318 7.9.1 Resource URIs for WinRM®

319 The class Resource URI shall be "http://schemas.dell.com/wbem/wscim/1/cim-
 320 schema/2/DCIM_LCRegisteredProfile?__cimnamespace=<Interop Namespace"

321 The key property shall be the InstanceID property.

322 The instance Resource URI shall be: "http://schemas.dell.com/wbem/wscim/1/cim-
 323 schema/2/DCIM_LCRegisteredProfile?__cimnamespace=root/interop+InstanceID=DCIM:RecordLog:1.0.0
 324 "

325 7.9.2 Operations

326 The following table details the implemented operations on DCIM_RegisteredProfile .

327

Table 19 – DCIM_RegisteredProfile - Operations

Operation Name	Requirements	Required Input
Get	Mandatory	Instance URI

Operation Name	Requirements	Required Input
Enumerate	Mandatory	Class URI

328

329 7.9.3 Properties

330 The following table lists the implemented properties for DCIM_LCRegisteredProfile instance representing
 331 the Record Log Profile implementation. The “Requirements” column shall denote whether the property is
 332 implemented (for requirement definitions, see section 3). The “Additional Requirements” column shall
 333 denote either possible values for the property, or requirements on the value formulation.

334 **Table 20 – DCIM_LCRegisteredProfile**

Property Name	Requirement	Type	Additional Requirements
InstanceID	Mandatory	string	The property shall have a value of "DCIM:RecordLog:1.0.0".
RegisteredName	Mandatory	string	This property shall have a value of "Record Log".
RegisteredVersion	Mandatory	string	This property shall have a value of "1.0.0".
RegisteredOrganization	Mandatory	uint16	This property shall have a value of 1 (Other).
OtherRegisteredOrganization	Mandatory	string	The property value shall match “DCIM”.
AdvertisedTypes[]	Mandatory	uint16	This property array shall contain [1(Other), 1 (Other)].
AdvertiseTypeDescriptions[]	Mandatory	string	This property array shall contain ["WS-Identify", "Interop Namespace"].

335

336 8 Methods

337

338 8.1 DCIM_SELRecordLog.ClearLog()

339 The ClearLog() method is used to delete all the entries in the SEL log. A return code value of zero shall
 340 indicate that the log entries deletion was successfully initiated.

341 CIM_RecordLog.ClearLog() return code values shall be as specified in Table 21.

342 No parameters or standard messages are defined for the CIM_RecordLog.ClearLog() method.

343 **Table 21 – CIM_RecordLog.ClearLog() Method: Return Code Values**

Value	Description
0	Request was successfully executed.
1	Method is not supported in the implementation.
2	Error occurred

344 **Table 22 – CIM_MetricService.GetConfigResults() Method: Standard Messages**

MessageID (OUT parameter)	Message	MessageArguments[]
LOG004	Resource allocation failure	

345 8.2 DCIM_LCRecordLog.GetConfigResults()

346 The GetConfigResults() method provides the ability to get the configuration results that are associated
347 with a particular logged entry.

348 The GetConfigResults() method's return code values shall be as specified in Table 23 where the method
349 execution behavior matches the return code description. The GetConfigResults() method's parameters
350 are specified in Table 24.

351 **Table 23 – CIM_MetricService.GetConfigResults() Method: Return Code Values**

Value	Description
0	Operation completed successfully
2	Failed

352 **Table 24 – CIM_MetricService.GetConfigResults() Method: Parameters**

Qualifiers	Name	Type	Description/Values
IN, REQ	InstanceID	uint16	The DCIM_LCLogEntry.InstanceID value for the log entry for which the config results is requested.
OUT	MessageID	String	Error MessageID
OUT	Message	String	Error Message
OUT	MessageArguments[]	String	Error MessageArguments
OUT	ConfigResults	String	Config results in the XML format.

353

354 **Table 25 – CIM_MetricService.GetConfigResults() Method: Standard Messages**

MessageID (OUT parameter)	Message	MessageArguments[]
LOG001	Missing parameter(s) %s	InstanceID
LOG002	Invalid parameter value for %s	InstanceID
LOG003	ConfigResults not available for given InstanceID	

355

356 9 Use Cases

357 See *Lifecycle Controller (LC) Integration Best Practices Guide*.

358 10 CIM Elements

359 No additional details specified.

360 11 Privilege and License Requirement

361 The following table describes the privilege and license requirements for the listed operations. For the
362 detailed explanation of the privileges and licenses, refer to the Dell WSMAN Licenses and Privileges
363 specification.

Table 26 – Privilege and License Requirements

Class and Method	Operation	User Privilege Required	License Required
DCIM_LCRecordLog	ENUMERATE, GET	Login	None.
DCIM_LCRecordLogCapabilities	ENUMERATE, GET	Login	None.
DCIM_LCLogEntry	ENUMERATE, GET	Login	None.
DCIM_LCLogEntry.	SET	Login, Configure	None.
DCIM_LCElementCapabilities	ENUMERATE, GET	Login	None.
DCIM_LCUseOfLog	ENUMERATE, GET	Login	None.
DCIM_LCLogManagesRecord	ENUMERATE, GET	Login	None.
DCIM_SELRecordLog	ENUMERATE, GET	Login	None.
DCIM_SELRecordLog. ClearLog()	INVOKE	Login, Logs	None.
DCIM_SELRecordLogCapabilities	ENUMERATE, GET	Login	None.
DCIM_SELLogEntry	ENUMERATE, GET	Login	None.
DCIM_SELElementCapabilities	ENUMERATE, GET	Login	None.
DCIM_SELUseOfLog	ENUMERATE, GET	Login	None.
DCIM_SELLogManagesRecord	ENUMERATE, GET	Login	None.
DCIM_ElementConformsToProfile	ENUMERATE, GET	Login	None.
DCIM_RegisteredProfile	ENUMERATE, GET	Login	None.
DCIM_LCRegisteredProfile	ENUMERATE, GET	Login	None.
DCIM_LCElementConformsToProfile	ENUMERATE, GET	Login	None.