ISO/IEC 24775-7:2021-03 (E)

Information technology - Storage management - Part 7: Host elements

Contents

Page

List of Figures 15
List of Tables 17
Foreword 23

1 Scope 25

2 Normative References 27
2.1 Overview 27
2.2 Approved references 27
2.3 References under development 27

3 Terms, Definitions, Symbols, Abbreviations, and Conventions 29
3.1 General 29
3.2 Terms and Definitions 29

4 Disk Partition Profile 31
4.1 Description 31
4.2 Health and Fault Management Considerations 37
4.3 Supported Profiles and Packages 38
4.4 Methods of the Profile 38
4.5 Client Considerations and Recipes 39
4.6 CIM Elements 39

5 FC HBA Profile 49

6 Storage HBA Profile 51
6.1 Synopsis 51
6.2 Description 51
6.3 Implementation 51
6.4 Methods of the Profile 57
6.5 Use Cases 58
6.6 CIM Elements 58

7 Host Discovered Resources Profile 63
7.1 Description 63
7.2 Health and Fault Management Considerations 68
7.3 Cascading Considerations 68
7.4 Extrinsic Methods of the Profile 68
7.5 Use Cases 69
7.6 CIM Elements 69

8 Host Hardware RAID Controller Profile 79
8.1 Synopsis 79
8.2 Description 80
8.3 Implementation 80
8.4 Methods 94
8.5 Use Cases 94
8.6 CIM Elements 94

9 iSCSI Initiator Profile 109
9.1 Description 109
9.2 Health and Fault Management Considerations 112
9.3 Methods of the Profile 112
9.4 Use Cases 112
9.5 CIM Elements 113

10 SCSI Multipath Management Profile 125
10.1 Description 125
10.2 Health and Fault Management Considerations 128
10.3 Methods of the Profile 128
10.4 Use Cases 129
10.5 CIM Elements 129
11 SB Multipath Management Profile 137
12 Memory Configuration Profile 139
12.1 Synopsis 139
12.2 Description 139
12.3 Implementation 141
12.4 Methods 143
12.5 Use Cases 148
12.6 CIM Elements 153
13 Persistent Memory Configuration Profile 161
13.1 Synopsis 161
13.2 Overview 161
13.3 Implementation 163
13.4 Methods 164
13.5 Use Cases 171
13.6 CIM Elements 175
Annex A (informative) SMI-S Information Model 183
Annex B (Informative) Host Profile Deployment Guidelines 185