ISO/IEC 24775-1:2021-03 (E)

Information technology - Storage management - Part 1: Overview

Contents

Page

List of Figures 13
List of Tables 15
Foreword 17
1 Scope 19
2 Normative References 21
2.1 Overview 21
2.2 Approved references 21
2.3 References under development 21
3 Term, Definitions, Symbols, Abbreviations, and Conventions 23
4 Introduction 25
4.1 Preamble 25
4.2 Business Rationale 25
4.3 Interface Definition 26
4.4 Technology Trends 28
4.5 Management Environment 29
4.6 Architectural Objectives 30
4.7 Disclaimer 31
5 Overview 33
5.1 Base Capabilities 33
5.2 Object Oriented 33
6 Functionality Matrix 37
6.1 Overview 37
6.2 Multi-Level Model Of Networked Storage Management Functionality 37
6.3 FCAPS 38
6.4 Management Functionality Within Each Level Of The Model 38
6.5 Referring To Levels And Capabilities In The Multi-level Model 39
6.6 Functionality Descriptions in SMI-S Profiles 39
6.7 Capabilities of This Version 39
7 Operational Environment 43
7.1 General 43
7.2 Using this Specification 44
7.3 Language Bindings 45

LIST OF FIGURES

Figure 1 - Experimental Maturity Level Tag 8
Figure 2 - Implemented Maturity Level Tag 8
Figure 3 - Stable Maturity Level Tag 9
Figure 4 - Deprecated Tag 9
Figure 5 - Interface Functions 26
Figure 6 - Large SAN Topology 29
Figure 7 - Example Client Server Distribution in a SAN 30
Figure 8 - Object Model/Server Relationship 34
Figure 9 - Canonical Inheritance 35
Figure 10 - Operational Environment 44

LIST OF TABLES

Table 1 - Functionality Matrix 37