INTERNATIONAL ISO/IEC

First edition
2015-05-01

Cloud Infrastructure Management Interface (CIMI) Model and RESTful HTTP-based Protocol — An Interface for Managing Cloud Infrastructure

Model d'interface de management de l'infrastructure du nuage informatique (CIMI) et protocole RESTful basé HTTP — Une interface pour le management de l'infrastructure du nuage informatique

Reference number
ISO/IEC 19831:2015(E)

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

CONTENTS

Figures

Tables

Foreword

The *Cloud Infrastructure Management Interface (CIMI) Model and RESTful HTTP-based Protocol* specification (DSP0263) was prepared by the DMTF Cloud Management Working Group. It defines a logical model for the management of resources within the Infrastructure as a Service domain.

DMTF is a not-for-profit association of industry members dedicated to promoting enterprise and systems management and interoperability.

Acknowledgments

The DMTF acknowledges the following individuals for their contributions to this document:

Editors (past and present):

- Marios Andreou – Red Hat
- Doug Davis – IBM
- Jacques Durand – Fujitsu
- Gilbert Pilz – Oracle

Contributors:

- Ghazanfar Ali – ZTE Corporation
- Marios Andreou – Red Hat
- Keith Bankston – Microsoft Corporation
- Winston Bumpus – VMware Inc.
- Nathan Burkhart – Microsoft Corporation
- Mark Carlson – Oracle
- Steve Carter – Novell
- Junsheng Chu – ZTE Corporation
- Josh Cohen – Microsoft Corporation
- Derek Coleman – Hewlett-Packard Company
- John Crandall – Brocade Communications Systems
- Doug Davis – IBM
- Jim Davis – WBEM Solutions
- Fernando de la Iglesia – Telefónica
- Hiroshi Dempo – NEC Corporation
- Jacques Durand – Fujitsu
- Yigal Edery – Microsoft Corporation
- George Ericson – EMC
- Colleen Evans – Microsoft Corporation
- Norbert Floeren – Ericsson AB
- Robert Freund – Hitachi, Ltd.
- Fermín Galán – Telefónica
- Krishnan Gopalan – Microsoft Corporation
- Kazunori Iwasa – Fujitsu
- Mark Johnson – IBM
- Bhumip Khasnabish – ZTE Corporation
- Dies Köper – Fujitsu
- Vincent Kowalski – BMC Software
- Ruby Krishnaswamy – France Telecom Group
- Lawrence Lamers – VMware Inc.
- Paul Lipton – CA Technologies
- James Livingston – NEC Corporation
- Vince Lubsey – Virtustream Inc.

- David Lutterkort – Red Hat
- Fred Maciel – Hitachi, Ltd.
- Andreas Maier – IBM
- Ashok Malhotra – Oracle
- Jeff Mischkinsky – Oracle
- Jesus Molina – Fujitsu
- Efraim Moscovich – CA Technologies
- Bryan Murray – Hewlett-Packard Company
- Steven Neely – Cisco
- Ryuichi Ogawa – NEC Corporation
- John Parchem– Microsoft Corporation
- Shishir Pardikar – Citrix Systems Inc.
- Miguel Peñalvo – Telefónica
- Gilbert Pilz – Oracle
- Alvaro Polo – Telefónica
- Enrico Ronco – Telecom Italia
- Federico Rossini – Telecom Italia
- Matthew Rutkowski – IBM
- Tom Rutt – Fujitsu
- Hemal Shah – Broadcom
- Nihar Shah – Microsoft Corporation
- Alan Sill – Texas Tech University
- Zhexuan Song – Huawei
- Marvin Waschke – CA Technologies
- Eric Wells – Hitachi, Ltd.
- Jeff Wheeler – Huawei
- Maarten Wiggers – Fujitsu
- Daniel Wilson – Ericsson AB
- Steve Winkler – SAP AG
- Jack Yu – Oracle
- Aaron Zhang – Huawei
- HengLiang Zhang – Huawei

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

CONTENTS

Figures

Tables

Foreword

The *Cloud Infrastructure Management Interface (CIMI) Model and RESTful HTTP-based Protocol* specification (DSP0263) was prepared by the DMTF Cloud Management Working Group. It defines a logical model for the management of resources within the Infrastructure as a Service domain.

DMTF is a not-for-profit association of industry members dedicated to promoting enterprise and systems management and interoperability.

Acknowledgments

The DMTF acknowledges the following individuals for their contributions to this document:

Editors (past and present):

- Marios Andreou – Red Hat
- Doug Davis – IBM
- Jacques Durand – Fujitsu
- Gilbert Pilz – Oracle

Contributors:

- Ghazanfar Ali – ZTE Corporation
- Marios Andreou – Red Hat
- Keith Bankston – Microsoft Corporation
- Winston Bumpus – VMware Inc.
- Nathan Burkhart – Microsoft Corporation
- Mark Carlson – Oracle
- Steve Carter – Novell
- Junsheng Chu – ZTE Corporation
- Josh Cohen – Microsoft Corporation
- Derek Coleman – Hewlett-Packard Company
- John Crandall – Brocade Communications Systems
- Doug Davis – IBM
- Jim Davis – WBEM Solutions
- Fernando de la Iglesia – Telefónica
- Hiroshi Dempo – NEC Corporation
- Jacques Durand – Fujitsu
- Yigal Edery – Microsoft Corporation
- George Ericson – EMC
- Colleen Evans – Microsoft Corporation
- Norbert Floeren – Ericsson AB
- Robert Freund – Hitachi, Ltd.
- Fermín Galán – Telefónica
- Krishnan Gopalan – Microsoft Corporation
- Kazunori Iwasa – Fujitsu
- Mark Johnson – IBM
- Bhumip Khasnabish – ZTE Corporation
- Dies Köper – Fujitsu
- Vincent Kowalski – BMC Software
- Ruby Krishnaswamy – France Telecom Group
- Lawrence Lamers – VMware Inc.
- Paul Lipton – CA Technologies
- James Livingston – NEC Corporation
- Vince Lubsey – Virtustream Inc.

- David Lutterkort – Red Hat
- Fred Maciel – Hitachi, Ltd.
- Andreas Maier – IBM
- Ashok Malhotra – Oracle
- Jeff Mischkinsky – Oracle
- Jesus Molina – Fujitsu
- Efraim Moscovich – CA Technologies
- Bryan Murray – Hewlett-Packard Company
- Steven Neely – Cisco
- Ryuichi Ogawa – NEC Corporation
- John Parchem– Microsoft Corporation
- Shishir Pardikar – Citrix Systems Inc.
- Miguel Peñalvo – Telefónica
- Gilbert Pilz – Oracle
- Alvaro Polo – Telefónica
- Enrico Ronco – Telecom Italia
- Federico Rossini – Telecom Italia
- Matthew Rutkowski – IBM
- Tom Rutt – Fujitsu
- Hemal Shah – Broadcom
- Nihar Shah – Microsoft Corporation
- Alan Sill – Texas Tech University
- Zhexuan Song – Huawei
- Marvin Waschke – CA Technologies
- Eric Wells – Hitachi, Ltd.
- Jeff Wheeler – Huawei
- Maarten Wiggers – Fujitsu
- Daniel Wilson – Ericsson AB
- Steve Winkler – SAP AG
- Jack Yu – Oracle
- Aaron Zhang – Huawei
- HengLiang Zhang – Huawei

