INTERNATIONAL STANDARD

17788

First edition 2014-10-15

Information technology — Cloud computing — Overview and vocabulary

Technologies de l'information — Informatique en nuage — Vue d'ensemble et vocabulaire



ISO/IEC 17788:2014(E)



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2014

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

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

ISO/IEC 17788:2014(E)

CONTENTS

			Page
1	Scop	<u> </u>	1
2	Normative references		1
	2.1	Identical Recommendations International Standards	1
	2.2	Paired Recommendations International Standards	1
	2.3	Additional references	1
3	Definitions		1
	3.1	Terms defined elsewhere	1
	3.2	Terms defined in this Recommendation International Standard	2
4	Abbreviations		4
5	Conv	Conventions	
6	Cloud computing overview		4
	6.1	General	4
	6.2	Key characteristics	4
	6.3	Cloud computing roles and activities	5
	6.4	Cloud capabilities types and cloud service categories	6
	6.5	Cloud deployment models	6
	6.6	Cloud computing cross cutting aspects	7
Anne	x A – (Cloud service categories	9
Ribli	ogranh	J.	10

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 17788 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 38, *Distributed application platforms and services (DAPS)*, in collaboration with ITU-T. The identical text is published as ITU-T Rec. Y.3500 (08/2014).

INTERNATIONAL STANDARD RECOMMENDATION ITU-T

Information technology - Cloud computing - Overview and vocabulary

1 Scope

This Recommendation | International Standard provides an overview of cloud computing along with a set of terms and definitions. It is a terminology foundation for cloud computing standards.

This Recommendation | International Standard is applicable to all types of organizations (e.g., commercial enterprises, government agencies, not-for-profit organizations).

2 Normative references

The following Recommendations and International Standards contain provisions which, through reference in this text, constitute provisions of this Recommendation | International Standard. At the time of publication, the editions indicated were valid. All Recommendations and Standards are subject to revision, and parties to agreements based on this Recommendation | International Standard are encouraged to investigate the possibility of applying the most recent edition of the Recommendations and Standards listed below. Members of IEC and ISO maintain registers of currently valid International Standards. The Telecommunication Standardization Bureau of the ITU maintains a list of currently valid ITU-T Recommendations.