
**Information technology — Cloud
computing —**

**Part 1:
Vocabulary**

*Technologies de l'information — Informatique en nuage —
Partie 1: Vocabulaire*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 38, *Cloud computing and distributed platforms*.

A list of all parts in the ISO/IEC 22123 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document is the definitive reference for cloud computing, providing a consolidated cloud computing vocabulary consisting of terms, terminology and definitions.

Information technology — Cloud computing —

Part 1: Vocabulary

1 Scope

This document provides terms and definitions for vocabulary used in the field of cloud computing.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

3.1 General

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

3.2 Terms related to cloud computing foundation

3.2.1

cloud computing

paradigm for enabling network access to a scalable and elastic pool of shareable physical or virtual resources with self-service provisioning and administration on-demand

Note 1 to entry: Examples of resources include servers, operating systems, networks, software, applications, and storage equipment.

3.2.2

cloud service

one or more capabilities offered via *cloud computing* (3.2.1) invoked using a defined interface

3.3 Terms related to cloud deployment models

3.3.1

cloud deployment model

way in which *cloud computing* (3.2.1) can be organized based on the control and sharing of physical or virtual resources

Note 1 to entry: The *cloud deployment models* include *community cloud* (3.3.2), *hybrid cloud* (3.3.3), *private cloud* (3.3.4) and *public cloud* (3.3.5).