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STANDARDS
Australia



Information technology — Cloud computing

Part 1: Vocabulary



AS ISO/IEC 22123.1:2023

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- Engineers Australia
- The University of Adelaide

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Preface

This Standard was prepared by the Standards Australia Committee IT-038, Cloud Computing and Distributed Platforms.

The objective of this document is to define terms used in the field of cloud computing.

This document is identical with, and has been reproduced from, ISO/IEC 22123-1:2023, *Information technology — Cloud computing — Part 1: Vocabulary*.

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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.

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 document 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 or www.iec.ch/members_experts/refdocs).

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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*.

This second edition of ISO/IEC 22123-1 cancels and replaces ISO/IEC 17788:2014 and ISO/IEC 22123-1:2021, which have been technically revised.

The main changes are as follows:

- the definition for hybrid cloud was changed;
- definitions for CSC role, CSP role, and CSN role were added;
- the definitions for CSC, CSP, and CSN were revised to leverage CSC role, CSP role, and CSN role, respectively;
- the ISO/IEC 27000 definitions for confidentiality, integrity, and information security were removed;
- the definition of inter-cloud computing was changed;
- terms relating to multi-cloud were added;
- peer cloud service and peer cloud service provider were replaced with secondary cloud service and secondary cloud service provider, respectively; and
- terms relating to multiplicity and organization of cloud services were added into a new subclause.

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

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