
**Information technology — Cloud
computing — Cloud service metering
elements and billing modes**





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Foreword

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Introduction

As the adoption of cloud computing expands and the market grows, cloud service providers (CSPs) offer many different cloud services that can be classified as infrastructure, platform or application capabilities types. CSPs, in designing solutions to meet the needs of cloud service customers (CSCs), put together diverse metering elements and billing modes that complement the cloud services offered to cloud service customers (CSCs). It is challenging for CSCs to determine the differences among many diverse metering elements and billing modes from various CSPs as they navigate their journey to adopt cloud computing.

Measured service is one of the key characteristics of cloud computing (ISO/IEC 17788). The characteristic is that usage is monitored, controlled, reported, and billed for the delivered cloud service. To this end, it is necessary that usage can be monitored, controlled, reported, and billed for the delivered cloud service. Metering elements can be classified according to its cloud capabilities type. Transparent and scientific metering and billing results can be easily achieved if common operation practices apply.

The purpose of this document is to provide basic clarity and guidance through a sample set of cloud service metering elements and billing modes for different cloud capabilities types. [Clause 5](#) includes a discussion of the billing functional component, of which metering is a major sub-component. [Clause 6](#) introduces a sample set of metering elements. These examples can help a CSP better describe its billing and metering practices and can help CSCs to better understand the metering and billing of their cloud services in order to make informed decisions. [Clause 7](#) explores some baseline guidance on cloud service metering and billing.

Information technology — Cloud computing — Cloud service metering elements and billing modes

1 Scope

This document describes a sample set of cloud service metering elements and billing modes.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 17788, *Information technology — Cloud computing — Overview and vocabulary*

ISO/IEC 17789, *Information technology — Cloud computing — Reference architecture*