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

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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Abbreviated terms	1
5 Cloud service metering and billing concepts	2
6 Metering elements	2
6.1 Cloud service metering elements for infrastructure capabilities type.....	2
6.2 Cloud service metering elements for platform capabilities type.....	4
6.3 Cloud service metering elements for application capabilities type.....	5
7 Cloud service metering and billing	6
7.1 Metering elements sampling.....	6
7.2 Metering unit.....	6
7.3 Billing modes.....	6
7.4 Billing strategies of metering elements.....	6
Bibliography	7

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Foreword

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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*.

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

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.

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