
**Information technology — Cloud
computing — Interacting with cloud
service partners (CSNs)**

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Foreword

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by 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

The purpose of this document is to expand on the understanding of the interactions between cloud service partners (CSNs) and cloud service customers (CSCs), and between CSNs and cloud service providers (CSPs).

Cloud computing offers solutions to many emerging technologies and it offers many benefits to all cloud service users (CSUs) and CSCs. The broader requirement for cloud computing solutions is to ensure organizations have the best capabilities to fulfil their business missions. This has helped to drive the adoption of cloud services and the marketplace is adjusting to the increasing demands.

In finding and applying appropriate solutions and leveraging the many benefits of using cloud services, many CSCs use multiple CSPs and various deployment models. In using, sharing, and assessing data, an understanding and clarification of roles, activities and responsibilities will help to maintain the security, privacy, confidentiality and integrity of cloud services.

Interactions of CSCs and CSPs with the various CSNs have caused a degree of concern and confusion in the cloud service marketplace. In some cases, causing harm to CSCs through inappropriate security controls and the lack of proper cloud service agreements relating to the cloud services being used. This is in part caused by an inadequate understanding of the relationships involved and by the lack of standards which might apply to those relationships.

Interactions between CSCs and CSPs have been described in detail in standards documents – ISO/IEC 17789, ISO 19011, ISO/IEC 19941, ISO/IEC 27017, ISO/IEC 27018 and the ISO/IEC 19086 series. Interactions of CSNs, a key role in the cloud service environment, with CSCs and CSPs have not been described in similar detail. This document provides further clarity about those interactions.

This document provides clarification of the concepts provided in ISO/IEC 17788, ISO/IEC 17789, the ISO/IEC 19086 series, and ISO/IEC 19941 regarding CSNs, and CSN interactions with CSCs and CSPs with the help of a few exemplary market scenarios. Building on an expanded description of sub-roles and activities, this document provides guidance on using cloud service agreements (CSAs) and cloud service level agreements (cloud SLAs) to provide more clarity for CSN interactions.

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