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GB/T 46350-2025

**Information technology - Cloud computing - General
requirements of AI cloud service**

信息技术 云计算 智能云服务通用要求

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Foreword

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1 Scope

GB/T 46350-2025 is the Chinese national standard covering what an AI cloud service has to provide - the compute and model services offered, the data handling and the isolation between tenants, the service levels and the measurement of them, the model versioning, and the transparency about what the service does with a customer's data. First edition, in force from 1 February 2026. Issued on 5 October 2025, it has been in force since 1 February 2026.

This document establishes the framework for intelligent cloud service capabilities, specifying intelligent cloud service infrastructure, model development, model services, and artificial intelligence applications. Requirements such as development. This document is intended to guide the design, development, deployment, use, and evaluation of intelligent cloud services.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 32400-2015 Information Technology - Overview and Glossary of Cloud Computing

3 Terms and Definitions

The terms and definitions defined in GB/T 32400-2015 and the following terms and

definitions apply to this document.

3.1 Cloud computing A model that uses a network to provision and manage scalable, elastic shared pools of physical and virtual resources in an on-demand, self-service manner.

Note. Resources include servers, operating systems, networks, software, applications, and storage devices. [Source: GB/T 32400-2015, 3.2.5, with modifications]

3.2 cloud service One or more capabilities are provided through the interfaces defined in cloud computing (3.1). [Source: GB/T 32400-2015, 3.2.8]

3.3 Alcloudservice Cloud services that support or provide artificial intelligence capabilities.

Note. Artificial intelligence capabilities refer to model development, model services, and artificial intelligence application development, etc.

4. Abbreviations The following abbreviations apply to this document. P2P. peer-to-peer

5. Capability Framework Intelligent cloud services provide users with AI computing power and artificial intelligence capabilities through cloud services, supporting AI applications and helping users... Users can efficiently, conveniently, and at low cost access and use artificial intelligence cloud services. The intelligent cloud service capability framework is shown in Figure 1, including infrastructure, model development... The intelligent cloud service provides capabilities such as development, model services, and artificial intelligence application development. It offers one or more combined capabilities, with the functions of each layer as follows:

a) Infrastructure. Provides infrastructure functions for artificial intelligence, enabling the creation and management of AI computing power clusters, and the submission and invocation of [data/feedback/etc.]. Degree-based tasks, leveraging heterogeneous computing resources (including bare metal, virtual machines, containers, etc.) based on acceleration libraries, support artificial intelligence workloads. run;

b) Model Development. Provides a model development toolchain, including data processing, model building, model management, model deployment, model inference, and data processing. It develops general functions based on closed-loop models, as well as large-scale model development functions such as prompting engineering and instruction optimization, and MLOps and LMOps. Workflow supports the training, optimization, management, and deployment of AI models in the cloud;

c) Model Services. Provides cloud service functions for various models, including computer vision, speech, natural language processing, and multimodal models. Classes, etc., to allow users to use pre-trained models in the cloud;

d) Artificial Intelligence Application Development. Provides an AI application development toolchain, including development environment, application development framework,