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Information technology - Cloud computing - General technical requirements of hyper converged infrastructure system

信息技术 云计算 超融合系统通用技术要求

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents.

This document was proposed and coordinated by the National Information Technology Standardization Technical Committee (SAC/TC28).

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Information Technology Cloud Computing Hyper-converged System General technical requirements

1 Scope

This document establishes a reference model for a hyper-converged system, including computing virtualization components, storage virtualization components, network virtualization components, and security virtualization components.

It puts forward requirements for virtualization components and operation and maintenance management. This document applies to.

a) Provide guidance to hyper-convergence system vendors in designing and manufacturing hyper-convergence products;

b) Provide reference for third-party evaluation agencies to implement hyper-converged system testing and evaluation.

2 Normative references

GB/T 32400-2015

3 Terms and definitions

The terms and definitions defined in GB/T 32400-2015 and the following apply to this document.

3.1

A hardware and software system that implements the integrated supply and management

of computing, storage, and network resources on multiple server nodes through software-defined methods.

3.2 cluster

A collection of resources used to build a hyperconverged system (3.1).

3.3 virtualmachineimage

The file system image corresponding to the virtual machine includes the operating system and the software required for the virtual machine to run.

[Source. GB/T 31915-2015, 3.1.2]

3.4 [Source. GB/T 31915-2015, 3.1.3]

A collection of metadata required to configure a virtual machine, including the number of CPUs, memory size, and disk size.

4 Abbreviations

The following abbreviations apply to this document.