



SUSE® Enterprise Storage on 华为 泰山 Implementation Guide



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1 参考信息

SUSE Enterprise Storage Technical Overview

https://www.suse.com/media/white-paper/suse_enterprise_storage_technical_overview_wp.pdf ↗

SUSE Enterprise Storage Tech Specs

<https://www.suse.com/products/suse-enterprise-storage/#tech-specs> ↗

SUSE Enterprise Storage - Deployment Guide

https://www.suse.com/documentation/suse-enterprise-storage-5/singlehtml/book_storage_deployment/book_storage_deployment.html ↗

SUSE Enterprise Storage - Administration Guide

https://www.suse.com/documentation/suse-enterprise-storage-5/singlehtml/book_storage_admin/book_storage_admin.html ↗

SUSE Linux Enterprise Server 12 SP3 - Deployment Guide

https://www.suse.com/documentation/sles-12/singlehtml/book_sle_deployment/book_sle_deployment.html ↗

SUSE Linux Enterprise Server 12 SP3 - Administration Guide

https://www.suse.com/documentation/sles-12/singlehtml/book_sle_admin/book_sle_admin.html ↗

SUSE Linux Enterprise Server 12 SP3 - Storage Administration Guide

https://www.suse.com/documentation/sles-12/singlehtml/stor_admin/stor_admin.html ↗

Subscription Management Tool for SLES 12 SP3

https://www.suse.com/documentation/sles-12/singlehtml/book_smt/book_smt.html ↗

A 设备清单

| 作用 | 数量 | 组件 | 说明 |
|--|----|--------------------------|--|
| Admin Node | 1 | A VM on a 华为 x86 machine | The node consists of: <ul style="list-style-type: none">• 8x vCPU cores• 64GB RAM• 100GB virtual disk for OS• 2x virtual NIC port to public and cluster network |
| OSD hosts, MON, MGR shared the OSD hosts | 4 | 华为 泰山 5280 | Each node consists of: <ul style="list-style-type: none">• 2x HiSilicon 1616• 256GB• 1x HiSilicon 1616 Integrated SAS Controller• 2x 300GB SAS HDD for OS• 34x 4TB 7.2k SATA HDD for OSD• 2x 华为 1TB NVMe SSD for db and journal• 1x HiSilicon 1616 Embedded Network Controller - 1GbE Quad Port• 1x Dual Port Intel 82599 10Gb Ethernet adapter |

| 作用 | 数量 | 组件 | 说明 |
|----------|----|--|---|
| Software | 1 | SUSE Enterprise Storage v5.5 Subscription Base configuration | Allows for 4 storage nodes and 6 infrastructure nodes |
| Switches | 2 | 华为 CE6851-48S6Q-HI | 32 Ports of 100GbE |

B policy.cfg

```
## Cluster Assignment
cluster-ceph/cluster/*.sls

## Roles
# ADMIN
role-master/cluster/sesadmin*.sls
role-admin/cluster/sesadmin*.sls

# MON
role-mon/cluster/osd[1-3].sls

# MGR (mgrs are usually colocated with mons)
role-mgr/cluster/osd[1-3]*.sls

# MDS
role-mds/cluster/osd1*.sls

# openATTIC
role-openattic/cluster/sesadmin*.sls

# COMMON
config/stack/default/global.yml
config/stack/default/ceph/cluster.yml

## Profiles
profile-default/cluster/*.sls
profile-default/stack/default/ceph/minions/*.yml
```