Release 7 Documentation for IEC Type 5: Composable Integrated Edge Cloud (IEC) Server Blueprint FamilyR7 Installation Document of IEC Type 5: Composable Integrated Edge Cloud (IEC) Server Blueprint Family
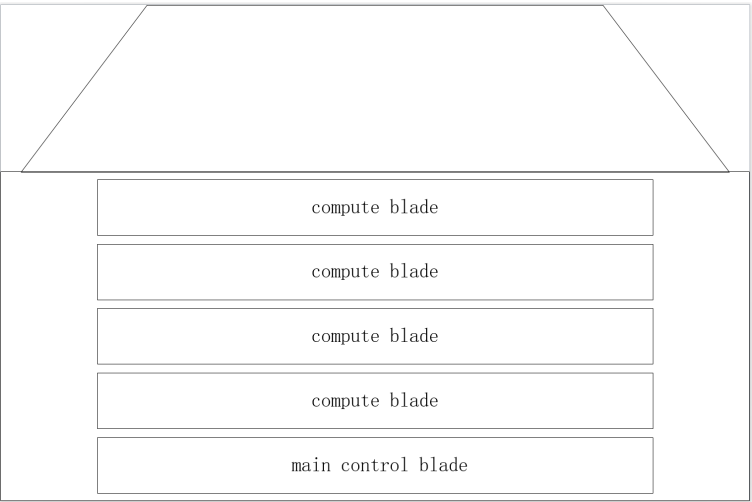
Introduction

N/A

License

N/A

How to use this document

this document is used to guide how to install the necessary software with the server.

Deployment Architecture


```
           ┌──────────────────────────┐
           │       compute blade       │
           ├──────────────────────────┤
           │       compute blade       │
           ├──────────────────────────┤
           │       compute blade       │
           ├──────────────────────────┤
           │       compute blade       │
           ├──────────────────────────┤
           │     main control blade    │
           └──────────────────────────┘
```

Pre-Installation Requirements

1. Hardware Requirements

- Hardware Requirements

3xarm64 server:

Arch	AARCH64
Processor model	1 x processor, each 24 x A53 cores
RAM	32GB DDR4-2400 ECC
Storage	10*2.5 inch SAS/SATA/SSD or 8*2.5 inch NVMe SSD
XPU Fabric	**1x16GbE20GT/s) PCIe Net**
Network	2x1GbE port (RJ45)
Power Supply	15watts (100~240V AC240V DC)
Scale	420 mm x 240 mm x 86.1 mm

ARM Server satisfies the Arm Server Ready certified.

2. Recommended Hardware Requirements

N/A

3. Software Prerequisites

item	comments	method
os	ubuntu20.04	N/A
docker	N/A	apt-get install docker.io

swarm	N/A	docker pull swarm
portainer	N/A	docker pull portainer

4. Database Prerequisites

N/A

5. Schema scripts

N/A

6. Other Installation Requirements

N/A

7. Jump Host Requirements

N/A

8. Network Requirements

N/A

9. Bare Metal Node Requirements

N/A

10 Execution Requirements (Bare Metal Only)

N/A

Bare Metal Deployment Guide

1. Install Bare Metal Jump Host

N/A

2. Creating a Node Inventory File

N/A

3. Creating the Settings Files

N/A

4. Running

N/A

5. Virtual Deployment Guide

N/A

6. Standard Deployment Overview

N/A

7. Snapshot Deployment Overview

N/A

8. Special Requirements for Virtual Deployments

N/A

9. Install Jump Host

N/A

10. Verifying the Setup - VMs

N/A

11. Upstream Deployment Guide

N/A

12. Upstream Deployment Key Features

N/A

13. Special Requirements for Upstream Deployments

N/A

14. Scenarios and Deploy Settings for Upstream Deployments

N/A

15. Including Upstream Patches with Deployment

N/A

16. Running

N/A

17. Interacting with Containerized Overcloud

N/A

18. Verifying the Setup as defined the Akraino validation feature project plus any additional testing specific to the blue print

N/A

Developer Guide and Troubleshooting

1. Utilization of Images

N/A

2. Post-deployment Configuration

N/A

3. Debugging Failures

N/A

4. Reporting a Bug

N/A

5. Uninstall Guide

not applicable

Maintenance

1. BluePrint Package Maintenance

Software maintenance

N/A

Hardware maintenance

N/A

2. Blueprint Deployment Maintenance

N/A

3. Frequently Asked Questions

N/A

4. License

N/A

5. References

N/A