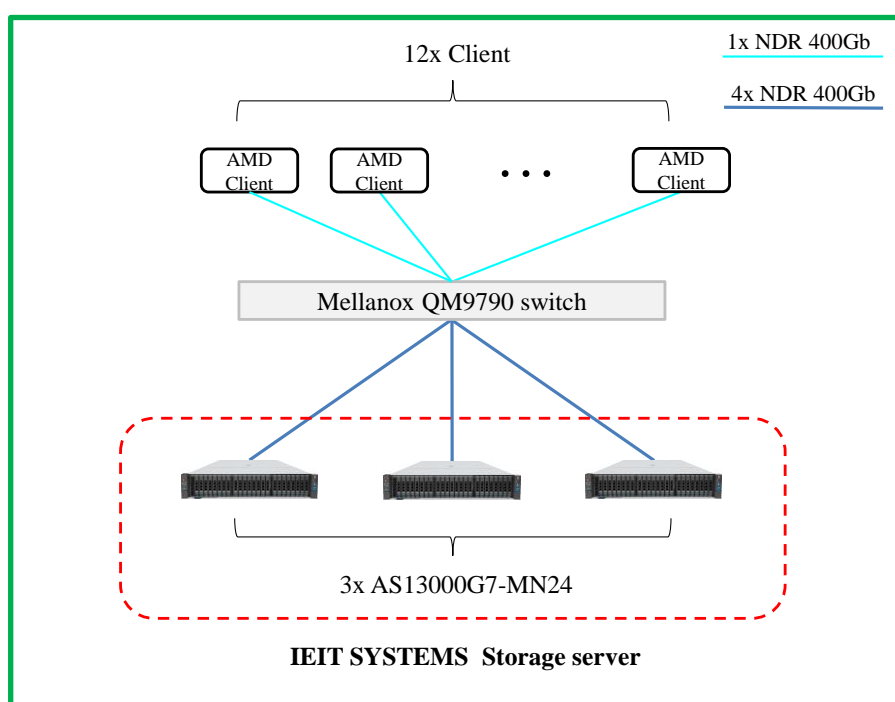


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# 1. Overview

This benchmark test uses a three-node storage server. This is the minimum storage cluster size for AS13000G7-MN24.

## 2. Hardware Diagram



### 2.1 Client

The client is equipped with a single AMD 9554 CPU, 192GiB of memory, and a single 400Gb IB network card, with a total of 12 clients.

---

## **2.2 Server**

The server uses the IEIT SYSTEMS AS13000G7-MN24 storage server, equipped with 16x 7.68TiB NVMe drives, 4x 400Gb IB network cards, provides a unified distributed file system, named ICFS.

## **2.3 Switch**

Mellanox QM9790 switch.

# **3. Software**

## **3.1 Client**

Client OS – CentOS Linux release 8.4.2105

Client Kernel – 4.18.0-305.3.1.el8.x86\_64

Mellanox OFED version – 5.8-1.1.2.1

IKC (used to access the remote ICFS filesystem.) version – ikc-7.1

## **3.2 Server**

Storage Servers OS – kos release 5.8

Storage Servers Kernel – 4.19.91-26.6.19.kos5.x86\_64

Mellanox OFED version – 5.8-1.1.2.1

Storage Servers version – icfs version 7.1

# **4. Settings**

## **4.1 Client**

Example ICFS mount command from client:

---

```
mount -t icfs 192.168.61.228:6789,192.168.61.183:6789,192.168.61.204:6789:/share/sys_tenant/sys_ns/mnt/ikcdir  
-o rasize=8388608
```

## 4.2 Server

Storage software and operating system integrated into a single image.

InstorageManager V7.1 is used for cluster deployment and cluster management.