SAMSUNG

Customer Success Story

Customer Overview

PT Samsung Electronics Indonesia is one of the subsidiaries of Samsung. As a global technology leader, Samsung offers home appliances such as TVs, monitors, refrigerators, and washing machines as well as major mobile telecommunication products such as smartphones and tablet PCs. Samsung also remains a major provider of trusted electronic components, such as DRAM and non-memory semiconductors.

Challenges

Previous IT Infrastructure
In their existing environment, there were 26 HP servers, without any virtualization technology being used. Some of them are quite old, but the CPU utilization rate is very low. So they were looking for a better solution to refresh their existing servers.

Customer Demand
As servers are old, performance issues arose. What's more, 26 servers require lots of energy for their IT stuff, which is really a headache for them.

1. They need to migrate all the physical servers into HCI, which means the HCI solution need to have good support to move their applications from the physical servers into virtualization environment.

2. The expansion has to be easy and simple. They can easily put more compute and storage resource as their business would keep growing in the future.

3. The solution has to be cost effective. Comparing with traditional solutions, HCI solutions are cheaper, but prices from other HCI vendors are still not cost-effective enough, like Nutanix.

4. Some new applications could be deployed in the new HCI environment, like database.

Executive Summary

• Customer: PT Samsung Electronics Indonesia

• Industry: Manufacturing

• Location: Indonesia

Challenges

• Server Virtualization
• Easy Migration and Expansion
• Solution Needs to be Cost-Effective

Sangfor Solutions

• HCI software solution based on SUPERMICRO servers

Customer Success Story

Solution

1. By using four nodes of Sangfor HCI appliance, aServer2105, with aSV, aSAN license, all old servers can be hosted in the new HCI appliances and can be managed.

2. By using Sangfor converter, all old OS can be migrated to HCI without much operations. Hot migration is used so there is no system/application downtime during the migration.

3. Creating two clusters with four servers, making sure applications like database could be migrated between two high spec servers, which ensures that IO could be localized when HA features are active.

Cluster 1   Cluster 2

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