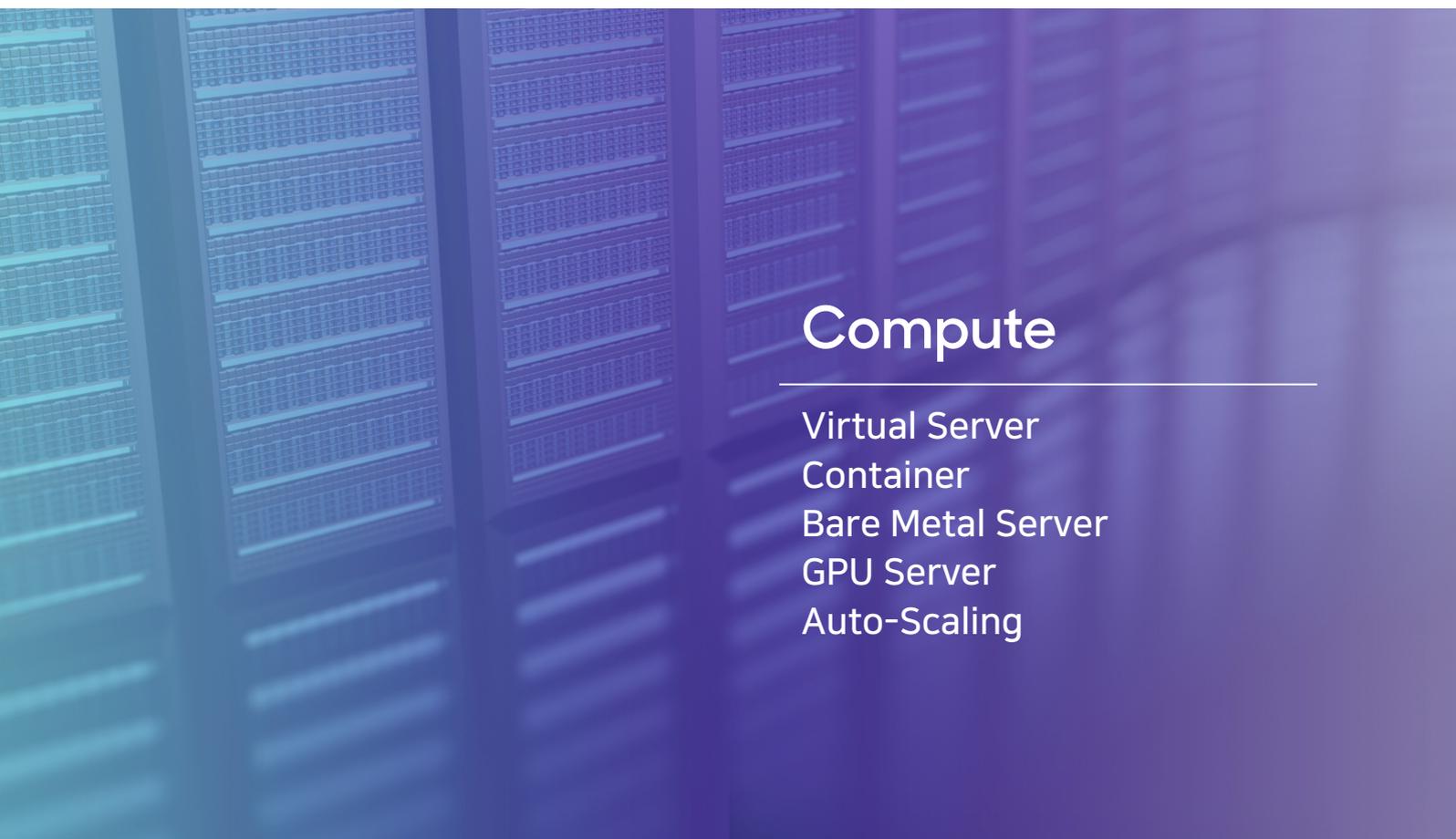


Realize your vision

# SAMSUNG SDS Cloud



## Compute

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Virtual Server  
Container  
Bare Metal Server  
GPU Server  
Auto-Scaling

**SAMSUNG SDS**

Compute

# Virtual Server

## Virtual server optimized for various use purposes

Virtual Server is virtualized computing service which assigns hardware resources such as CPU, memory, network and storage to customers. Via SDS Cloud portal, customers can request resources based on their purposes such as developing, testing, and executing applications.

### Quick and easy server configuration

It is simple and easy to set up a server within a few minutes from the Portal. The volume of key computing resources such as CPU or memory can be easily changed while the virtual server is being used.

### Offers various types of instances

Customers can select from standard sets of computing resources. (vCPU/Memory) Also, a customized service is provided through which customers can adjust their vCPU and memory capacity based on their business needs. Customers can choose from these two options.

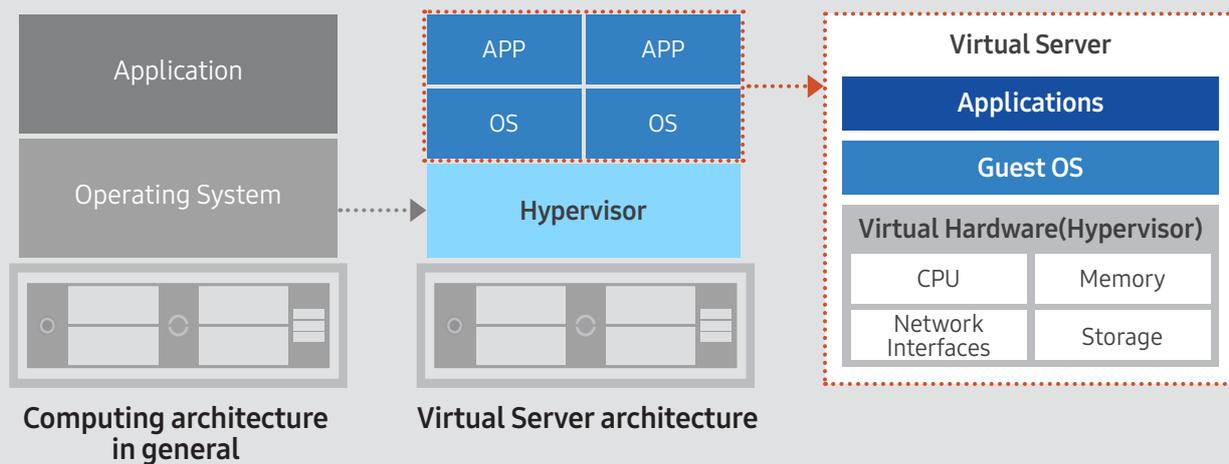
### Server duplex configuration

If a physical server hosting virtual machines fails, the cloud portal automatically transfers workloads to another server standby. This will minimize service downtime and ensure stability.

### Strong security

We provide strong security service using credible security solutions. Security risks are greatly mitigated through constant updates of security policies and check-ups on a regular basis. Also, we offer 24/7 security control and real-time monitoring to ensure service stability.

## Virtual Server Service Architecture



## Offerings and Pricing

- Provides services based on the standard set of vCPU/memory allocated to the number of vCPUs
- Prices may differ depending on the number of vCPUs, memory capacity, type of OS, and etc.

## Related Other Products

<b>Compute</b>	<b>GPU Server</b>	High performance computing server optimized for parallel processing
<b>Storage</b>	<b>Block Storage</b>	Storage assigned to the server
	<b>File Storage</b>	Storage for data sharing between servers
	<b>Object Storage</b>	Storage accessible anytime anywhere via web
	<b>Backup</b>	Backup service to minimize data loss
<b>Networking</b>	<b>Load Balancer</b>	Balancing server traffic load for service stability
<b>Managed &amp; Consulting</b>	<b>Managed Service</b>	Operation and management service for cloud computing resources

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Compute

# Container

## Virtual server based on container technology

Container is a service to easily execute and scale containerized applications. The service includes management for containers or clusters. Container image repository manages image and monitors container instances. The container and cluster management service supports the latest plugins and tooling of the Kubernetes environment.

### Compatibility with kubernetes

Container service is based on the latest Kubernetes technology and has strengthened stability. Customers can use all the existing plugins and tooling from the Kubernetes community. Applications running on Kubernetes environments can be deployed on SDS Cloud container service.

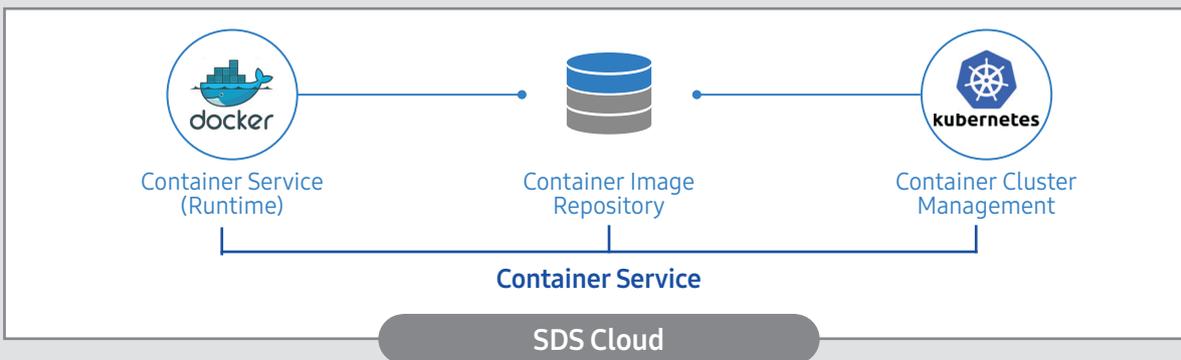
### User convenience

Container service automates the task of deploying and expanding containerized applications on clusters. Containerized applications can be deployed and managed quickly and easily with no expertise on container orchestration.

### All-in-one service

Supplementary services such as container image storage and Kubernetes upgrading are provided so customers can concentrate only on application development. When the container service is used with Samsung SDS' development tools (Dev. Tools), customers can automate the entire process from application development, deployment to operation.

## Container Service Architecture



## Offerings and Pricing

- The Container Service includes Container Image Registry service and Container Cluster Management service
- Up to 50 GB of application container images stored in Container Image Registry is free and images exceeding 50 GB will be billed based on your storage pricing plan
- Prices are determined based on the container instance and operational service type

## Related Other Products

Storage	<b>Block Storage</b>	Storage assigned to the server
	<b>File Storage</b>	Storage for data sharing between servers
	<b>Object Storage</b>	Storage accessible anytime anywhere via web
	<b>Backup</b>	Backup service to minimize data loss
Middleware	<b>JBoss EAP/WS</b>	Open source-based, enterprise-class Java™ web application server
	<b>WildFly</b>	WildFly project-based Java™ web application server
	<b>Apache</b>	Apache project-based web server
	<b>Tomcat</b>	Web application server based on open source Servlet Container
DevOps Tools	<b>GitLab</b>	Distributed source code configuration management tool for development collaboration
	<b>Jenkins</b>	Integrated management development tool for software development/deployment processes
	<b>SonarQube</b>	Source code quality management tool
	<b>Nexus</b>	Libraries and related file repository for application building

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# Bare Metal Server

## Single-tenant and high-performing physical server

Bare Metal Server is a high-performance physical server dedicated to a single customer who rents hardware resources such as CPU, memory, network and storage without utilizing virtualization technology. As Bare Metal Server is not affected by other users, the customer can operate performance-sensitive services on Bare Metal Server with high stability.

### Not virtualized, high-performance physical server

Bare Metal Server provides a physically separate environment which is appropriate for high-volume, high-performance workloads such as highly time-sensitive real-time systems, high performance computing (HPC), and servers performing much I/O.

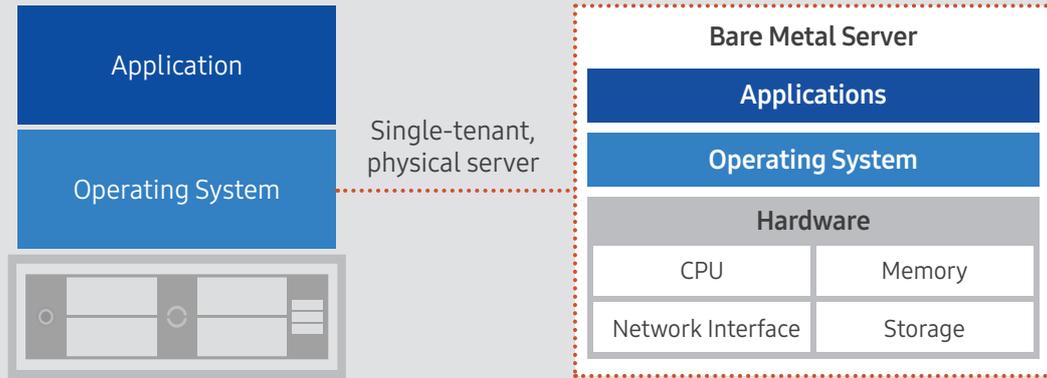
### Installation and service delivery on-site

Samsung SDS provides Bare Metal Service not only in its data center but also inside customer's business site according to customers' demand. On-site Bare Metal Service is appropriate for Manufacturing Execution Systems or on-site operation systems, which servers need to be located in customers' business site.

### Strong security

Bare Metal Server maintains strong security, using security solutions with high credibility. Security risks are greatly mitigated through constant updates of security policies and check-ups on a regular basis. Also, we offer 24/7 security control and real-time monitoring for service stability.

## Bare Metal Server Service Architecture



## How to Buy

- Any questions about using or applying for Bare Metal Server, please contact us via email at [cloud.sds@samsung.com](mailto:cloud.sds@samsung.com)

## Related Other Products

Storage	<b>Block Storage</b>	Storage assigned to the server
	<b>File Storage</b>	Storage for data sharing between servers
	<b>Object Storage</b>	Storage accessible anytime anywhere via web
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# Compute GPU Server

## High performance computing server optimized for parallel processing

GPU(Graphics Processing Unit) Server is a computing service specialized for high-speed parallel processing of large-scale data. Optimized for graphic images, big data, and deep learning especially, data can be obtained quickly and accurately. SDS Cloud portal makes it easy to configure for various business requirements.

### High-speed processing of big data

With parallel processing computing, one can quickly process big data that requires large-scale calculations, and provide a computing environment optimized for deep learning.

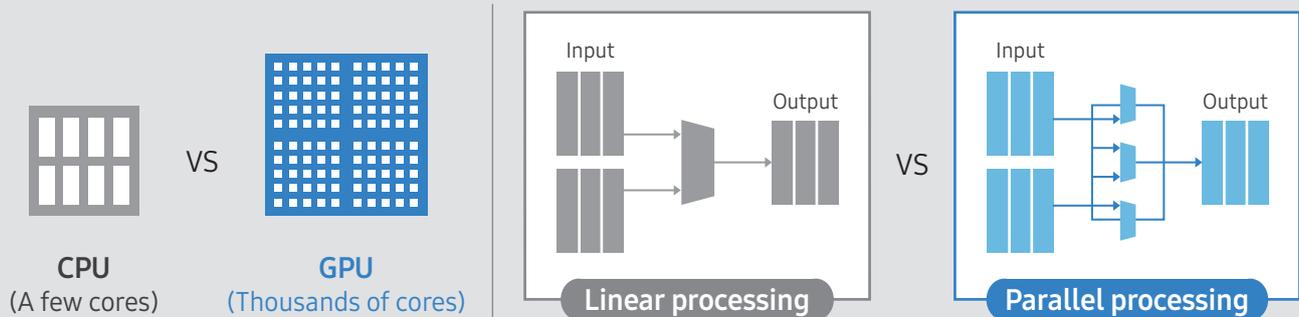
### Strong security system

GPU server provides strong security service based on the security solution verified by Samsung SDS. With constant update of security checklists and routine security checks, it minimizes security risks and ensures stable service operation through 24/7 security control and real-time monitoring.

### Easy configuration

With the SDS Cloud portal, one can quickly and easily create the servers one needs. In particular, one can easily configure additional GPU server while using a virtual server.

## GPU Server parallel computing concept



### Offerings and Pricing

- Provides services based on the standard set of vCPU/memory allocated to the number of GPUs
- Prices may differ depending on the number of GPUs, vCPUs, memory capacity, type of OS, and etc.

### Related Other Products

<b>Compute</b>	<b>Virtual Server</b>	Virtual server optimized for various use purposes
<b>Managed &amp; Consulting</b>	<b>Managed Service</b>	Operation and management service for cloud computing resources

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# Auto-Scaling

## Automatically adjusting resources based upon demand

Auto-Scaling is a service of increasing/decreasing computing resources based on scaling policies. Samsung SDS' auto-scaling service is based on resource usage.

### Elastic resource management

Auto-scaling allows you to scale your computing resources up and down based on service load and usage. Customer can schedule resources based on usage volume in certain timeframes and prepare for unexpected traffic spike.

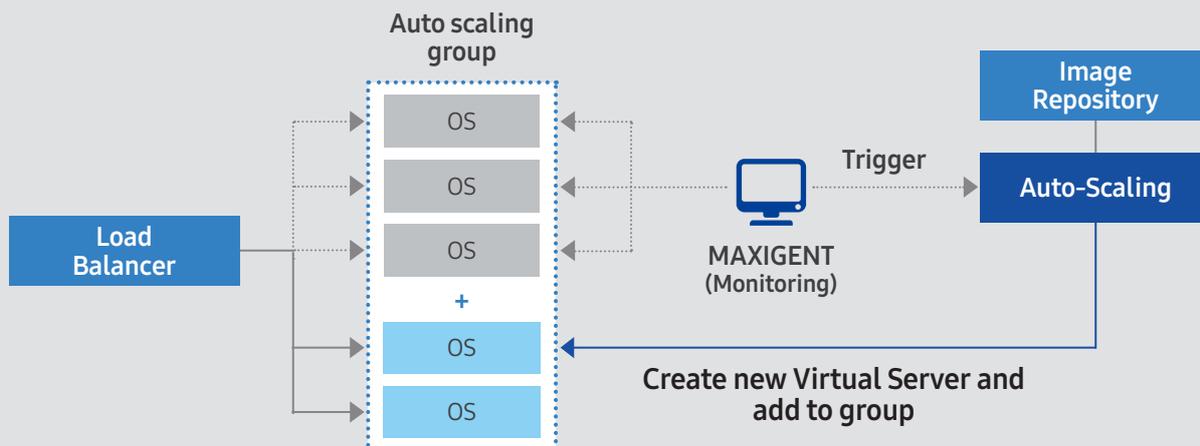
### Enhanced availability

Auto-Scaling covers customers' variable demand by making sure that customers always have the right resources at a right time. It provides the best customer experience with better application performance and availability.

### Minimizing expenses

Customers can use only resources they need and are charged by their usage. The amount charged will be different depending on traffic volume at certain points such as at night, on weekends or at end of months, which will minimize unnecessary expenses for customers.

## Auto-Scaling Service Architecture



## Offerings and Pricing

- Auto-Scaling is only provided for Virtual Server and Container products (No contract plan)
- You can use Auto-Scaling from SDS Cloud portal with no additional charge

## Related Other Products

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	Container	Virtual server based on container technology
Networking	Load Balancer	Balancing server traffic load for service stability
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