

Enterprise Cloud



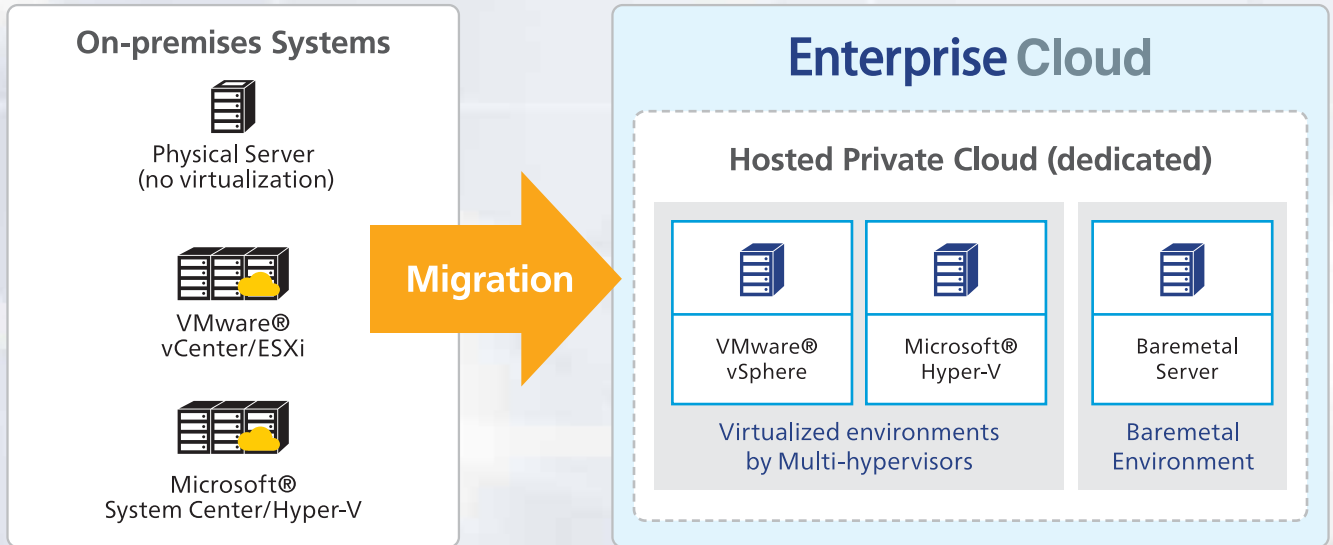


Hosted Private Cloud for Traditional ICT

Dedicated baremetal servers with the automation, pay-as-you-go flexibility

Enterprise Cloud's hosted private cloud consists of dedicated baremetal servers with the automation, pay-as-you-go flexibility and options of a multi-hypervisor environment, including VMware vSphere and Microsoft Hyper-V. It also provides a highly flexible internal network, which facilitates the re-use of on-premises network architecture in the cloud. Enterprise customers can realize cloud-enabled traditional ICT by seamlessly migrating to the hosted private cloud any on-premises systems that require a dedicated environment for reasons of performance, security or licensing. Such migrations contribute to the optimization of traditional ICT environments and form a foundation for further cloud-based digital transformation.

- Ease migration of core enterprise systems from on-premises
- Ensure availability and predictability under multi-hypervisor environment
- Offer cloud benefits such as pay-as-you-go, on-demand and self-service

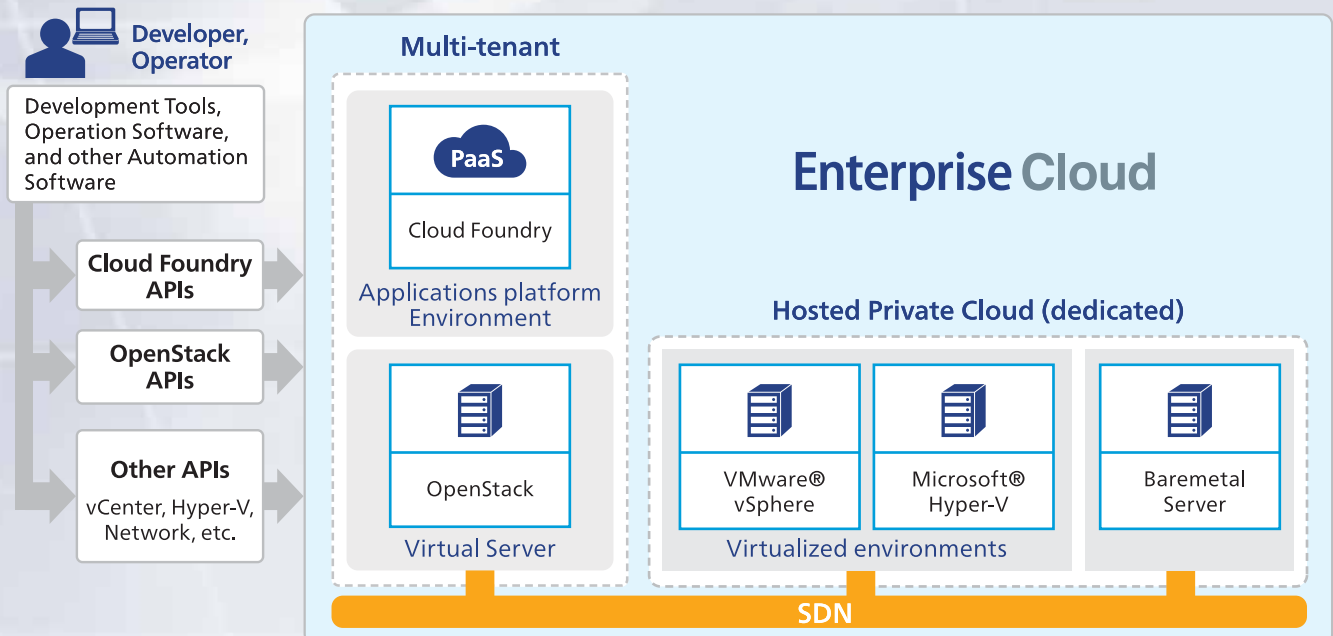


Multi-tenant Cloud for Cloud-Native ICT

Enterprise-class multi-tenant IaaS and PaaS based on OpenStack and Cloud Foundry

Enterprise Cloud features a secure and highly reliable, enterprise-class multi-tenant cloud based on the OpenStack architecture, which therefore gives customers an industry-standard open API to control the Enterprise Cloud in an automated manner. In addition, by incorporating Cloud Foundry, an open source Platform-as-a-Service (PaaS) software, Enterprise Cloud provides PaaS for agile application development and operational efficiency. This gives customers enterprise-class service quality as well as effective management of agile and DevOps oriented application development. The open architecture meanwhile relieves concerns about vendor lock-in and accelerates customers' digital business strategies.

- Provide OpenStack based multitenant cloud server with DevOps offerings, baremetal servers, and hosted private offering on the unified SDN network
- Enable enterprises to transform their ICT to cloud-native seamlessly





Seamless Hybrid Cloud Environment

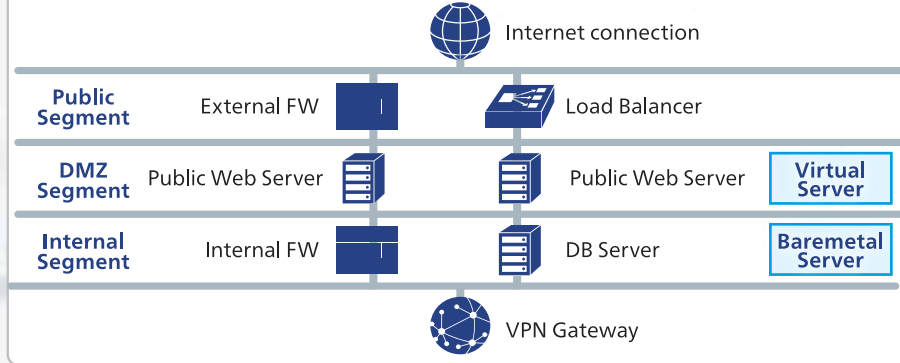
Agile Network Mapping enables smooth migration from On-Premises with fewer workload



The Enterprise Cloud's multi-tenant cloud and hosted private cloud are connected at Layer 2 with SDN, which gives customers the power to flexibly and seamlessly configure the network components (virtual server, baremetal server, firewall, load balancer) running on a complex on-premises environment in the same network segment. As a result, customers can reduce approximately 30% of the workload required for the network and server re-configuration that usually comes with cloud migration.

- Map on-premises or desired network configurations to ones on the cloud through SDN-enabled Agile Network Mapping capability
- Enable enterprises to migrate and optimize corporate systems into the cloud without pains

Example of enterprise network (on-premises)



customers can:

- Select and integrate virtual servers & baremetal servers
- Create large multi-layered network configurations
- Plug in firewalls and load balancers anywhere needed
- Assign private IP addresses as wished

No network reconfiguration

Cloud-migration work cut by 30%
(NTT Com own research)



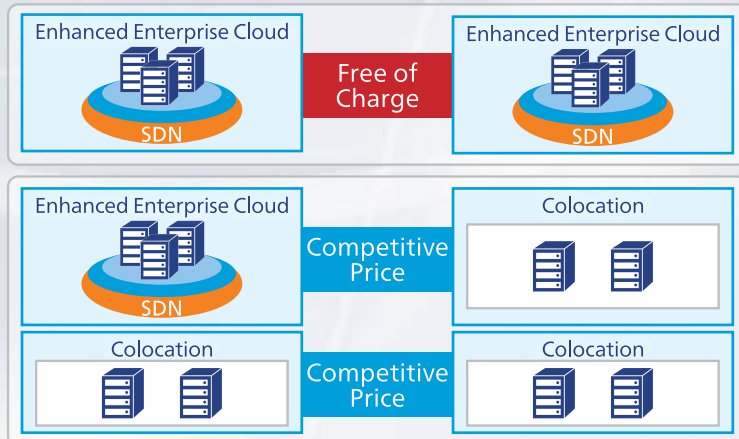
Free and Seamless Connection between Cloud Platforms

Utilizing NTT Com's infrastructure as a telecom carrier

Enterprise Cloud platform is connected with free-of-charge 10Gbps closed network. In addition, connectivity between global Enterprise Cloud platforms and NTT Com's global data center colocations is provided at competitive prices, utilizing NTT Com's infrastructure as a telecom carrier. These network capabilities gives global consistency and optimization of MNC's ICT systems.

This capability can typically optimize cost of Big Data transfer in global scale such as sensor data collection in global factories and fields, large CAD file transfer between global suppliers, etc.

- Connect Enterprise Cloud and colocations via 10Gbps closed network
- Enable customers to migrate and transform their global ICT to clouds by building globally seamless hybrid IT environment



Cloud Management Platform(CMP) for Visibility and Governance

Unified management of multi-clouds including 3rd party clouds

NTT Com offer CMP for the efficient management and unified control of both Enterprise Cloud and third-party providers' clouds, including Amazon Web Services (AWS) and Microsoft Azure. CMP also enables management and operation of hybrid clouds and meets the ICT governance, cost control, security management and automated ICT operational requirements needed to successfully execute a cloud-first digital transformation strategy companywide.

- Provide functionalities for multi-cloud environment
- Enable customer-centric operation with customizable dashboard, APIs, RBAC, and mobile access
- Realize comprehensive hybrid cloud architecture together with Multi-Cloud Connect

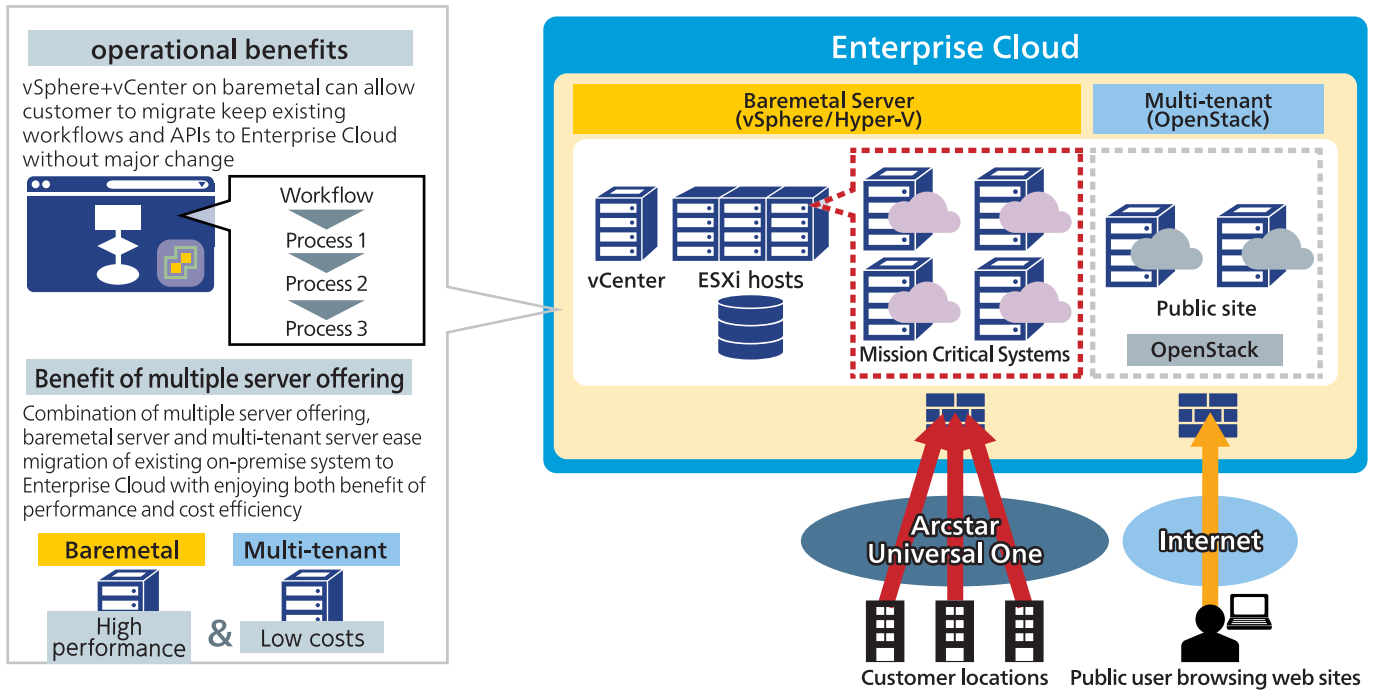
Cloud Management Platform



Use Case

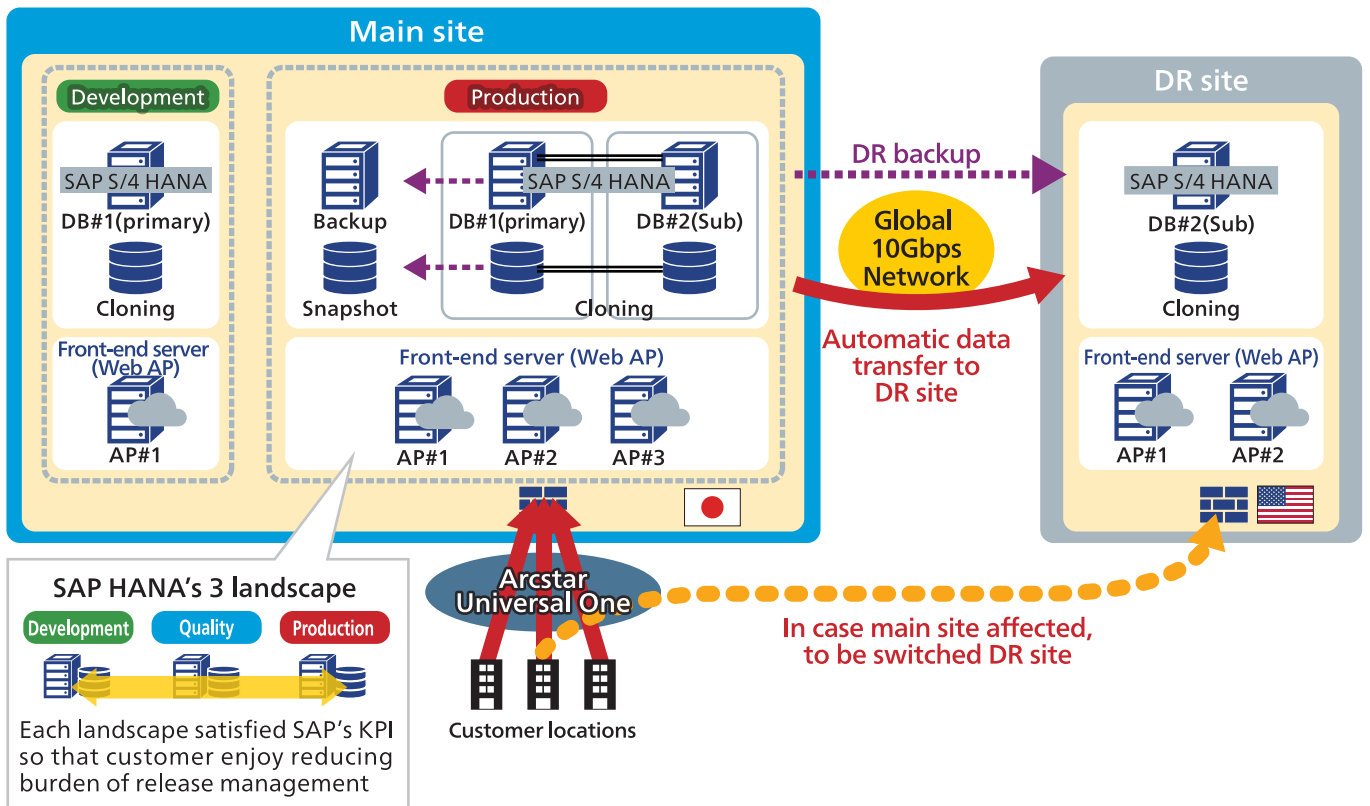
Migration of Private Cloud

Enterprise Cloud's safe and secured dedicated environment and closed multi-tenant PaaS environment can realize significantly save time and labor in cloud migration, application development and maintenance. In addition, NTT Com provides Oracle license or allow BYOL services to customer that can reduce the cost of migration.



SAP S/4 HANA platform

Enterprise Cloud provides a SAP S/4 HANA infrastructure as Tailored Datacenter Integration (TDI) model as-a-cloud that fulfil SAP's requirements (KPI) for each landscapes (Development/Quality/Production.) Web application server on multi-tenant cloud enables customer to enjoy both benefit of performance and cost efficiency.



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