

## Infrastructures as a Service

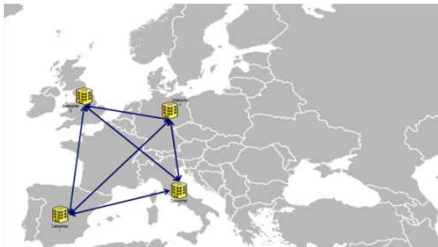
# NEC IaaS solution

**Deliver multivendor cloud platforms, allowing your customers to remain unlocked from specific technologies and provide a multi-tier service, enabling them to select the performance level that better fits with their current business needs.**

### Flexibility for today's business

The economic situation that the world is facing today has brought the need of changing the way IT resources are purchased. Companies have been buying IT based on the overcapacity, as physical resources had to be able to assume the business growth for the next years. Today's companies need to get resources in a much more flexible way, paying only for the resources in use, and being able to adapt the capacity to the real business needs.

Today IaaS is a core element of Cloud business. It allows the virtualization of IT resources at the datacenter, or even several datacenters when we talk about distributed platforms. With NEC IaaS companies may create and manage a pool of IT resources from where to deliver many different cloud services like Utility Computing, Software as a Service, VDI, Unified Communications as a Service, or... whatever as a service.



### Distributed Datacenter

- Remote management platforms distributed across different locations

Today virtualization has reduced dramatically the datacenter space required. Now in one single rack we are able to place hundreds or even thousands virtual servers. This new concept, tied up with the new trend of modular datacenters, which provides a much faster, flexible and cost-effective way to deploy datacenters, brings the possibility to have many smaller datacenters instead of a large one, contributing to the Business Continuity plans, according to the standard BS 25999.



### Multi-vendor / Multi-hypervisor

- Different tiers of service based on different vendors and performances

Cloud is open and it's freedom as well, so when companies deploy cloud solutions they don't want to be locked into some vendor's technology. Multi-hypervisor and multi-hardware vendor capability it's a key element of Cloud Business for Carriers and Service Providers. Different solutions based on different vendors to provide different tiers of service, and everything from one single platform is the best way to deliver cloud services to customers.



### Software Designed Networks

- Dedicated virtual networks to each tenant, instead of shared networks

This new environment of cloud shouldn't be using networking solutions coming from the past. At the first stages of virtualization, virtual networks didn't exist, so the only way to solve the issue of shared networks between tenants was through complexity. Today thanks to OpenFlow technology we can deliver dedicated virtual networks to each customer, increasing flexibility and allowing to manage all of them from one single point.

# NEC IaaS Solution



## Solution Features List

Elements	Features
Servers Express 5800	<ul style="list-style-type: none"> <li>#1 market share in Japan for 16 years</li> <li>High Capacity, resilient, high performance, remote monitoring and management</li> <li>Energy efficiency, 80Plus® Platinum certified and HTA (working at 40°C)</li> </ul>
Storage M-Series	<ul style="list-style-type: none"> <li>Next generation of SAN storage, designed for virtual environments</li> <li>High performance, easy installation and operation, and IT cost optimization</li> <li>Advanced eco-friendly function to save power</li> </ul>
Networking ProgrammableFlow	<ul style="list-style-type: none"> <li>Solving the main issues of current datacenters: Network complexity, provisioning, ...</li> <li>Complexity reduction by creating dedicated networks per customer</li> <li>Flexibility to move VM's between datacenters or sharing IP addressing plans</li> </ul>
Cloud Manager	<ul style="list-style-type: none"> <li>Multi-tenant, Multi-hypervisor (6 different hypervisors), V2V conversions, ...</li> <li>Hybrid Cloud Management (cloud bursting)</li> <li>Multi-tier service, providing better performance to the best customers</li> </ul>
Marketplace	<ul style="list-style-type: none"> <li>Site where to market all the Carrier's cloud services without more integrations</li> <li>Integrated with the back-end systems (Billing, CRM, provisioning,...)</li> <li>Multiple cloud services already integrated.</li> </ul>
Support Services	<ul style="list-style-type: none"> <li>Services delivered together with our customers to satisfied end-customers</li> <li>First level provided by the carrier</li> <li>Second and third level provided by NEC and our partners</li> </ul>

For further information please contact us at:

[cloud@emea.nec.com](mailto:cloud@emea.nec.com)

NEC Cloud Center of Competence  
 Anabel Segura 7, 28108 Alcobendas, Madrid. Spain  
<http://www.nec.com/>