NEC Dynamic IT Infrastructure

INNOVATION AND RELIABILITY FOR A PERFORMING DATACENTER

Global Solution Provider

- Servers & Storage
- Virtualization
- Business Continuity
- Dynamic Datacenter

NEC, a global IT solutions provider

NEC aims to provide optimal solutions for its customers. Innovation is key to ongoing success. Our company has been at the cutting edge of research and development in its field for over a century.

BUSINESS CONTINUITY
GREEN IT
DATACENTER
VIRTUALIZATION
UNIFIED COMMUNICATION
SIMPLICITY
SOFTWARE
IT
SCALABILITY
DESKTOP
SERVERS
SOLUTIONS
STORAGE
INNOVATION

Through a 100% indirect distribution model relying on value added resellers, NEC provides comprehensive end-to-end IT solutions for all size businesses.

In the increasingly complex world that is developing around us, NEC is playing an important role in creating the innovations that shape our lives.

Striving to find solutions to the various challenges faced by consumers in their daily and business lives, NEC upholds that working and thinking together with the customer is the key to success. Through this continuous process, NEC strengthens its own technology and know-how, resulting in customized solutions that achieve ever-higher levels of customer' satisfaction. Hence, our global slogan "Empowered by Innovation" represents our relentless desire to innovate not only the lives and businesses of our customers, but also society as a whole.

Companies today have to focus on new IT challenges such as virtualization, consolidation, business continuity and energy efficiency to reduce their Operating Expenditure (OPEX) with a rapid Return on Investments (ROI). On the other hand Datacenter solutions such as SaaS, IaaS, DaaS are fully part of CIO investigations. Thanks to its Dynamic IT Infrastructure approach that includes software solutions and the Express5800 server line, NEC provides to its customers complete and comprehensive solutions, adapted to each requirement.

From tower servers for small entities, performing power saving racks to management software specifically designed for Datacenters, NEC demonstrates its capability to lead the innovation in IT to address new challenges.

NEC SERVER, STORAGE & SERVICES SOLUTIONS

NEC Express5800 Server Solutions

Leveraging a rich heritage of Mainframe and Supercomputer development, NEC's Express5800 Server Family delivers innovative features that address today's complex IT Infrastructure computing needs - with a track record of award winning performance and breakthrough features.

- Enterprise Servers
- Fault Tolerant Servers
- Blade Servers
- Rack Servers

NEC Storage Solutions

The new NEC M-Series range and the D-Series consist of storage arrays which provide a unique scalable SAN solution for medium and large businesses. This storage infrastructure solution allows for growth without interrupting operations. This range available in both Fibre Channel and iSCSI configuration, provides an affordable high performance solution to small and medium size businesses.

NEC Solutions & Services

Today's IT systems are at the heart of business development, and play a major role in their competitiveness and financial stability. NEC helps companies and institutions develop innovative solutions that meet unique needs and are employed in diverse markets. Driven by a customer-centered philosophy, we adhere to open standards. Based on a solid experience, NEC provides your infrastructure with a personalized service adapted for your everyday needs whilst providing a continuing performance at an optimal level. NEC has opted for the best ratio of cost, simplicity and performance.

The complete NEC portfolio tends towards Business Continuity

DISASTER RECOVERY SOLUTION
- Detect system failures in event of disaster / Failover over WAN
- Geographical resiliency
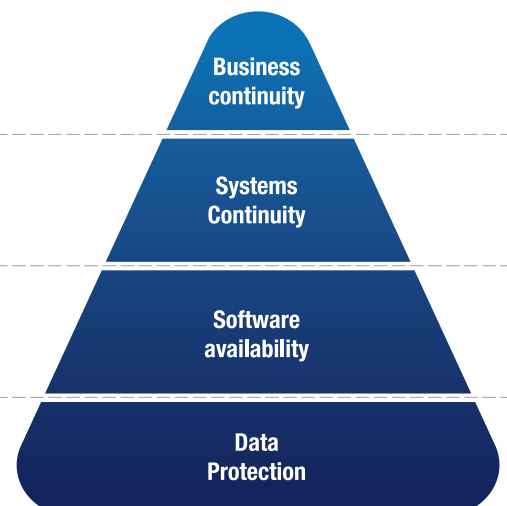
NON STOP SYSTEMS SOLUTIONS
- Detect unexpected system failure / No stop no loss
- Local resiliency

CLUSTERING SOLUTIONS
- Detect unexpected software process terminations / Failover
- Geographical resiliency

BACKUP, STORAGE & ARCHIVING SOLUTIONS
- D2D2T technologies, Storage and Data scalability
- Local resiliency

Business continuity

Systems Continuity

Software availability

Data Protection

NEC SOFTWARE SOLUTIONS

NEC is offering a full range of software solutions as Sytems Administration, High Availability and Disaster Recovery, as well as Desktop Virtualization...

NEC MasterScope

NEC MasterScope is an integrated administration software suite working in multiple vendor environments that overcomes the challenges of the increasingly complicated corporate IT systems.

SIMPLE OPTIMIZATION

Optimization by autonomic operation leading to easy management. Automatic resource optimization in various scenarios.

- Operation Management
- Software Delivery
- Batch Job Management
- Platform Management
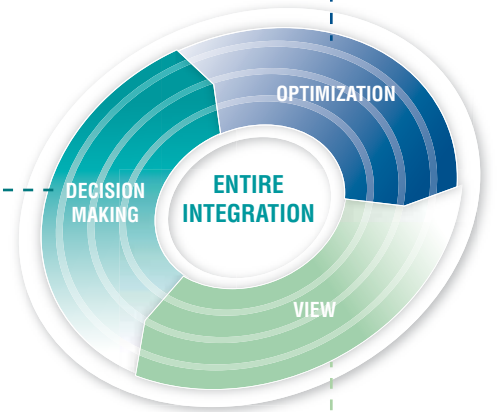
SIMPLE DECISION MAKING

Appropriate decision making with the help of system management information.

- Corporate Management
- Asset Management
- Integrated Management
- IT Overall Control Support
- Service Level Management

SIMPLE VIEW

Easy view of the system and associated risks. User-friendly GUI for various functionalities.

- System Management
- Storage Management
- Server Management
- Network Management
- Application Management

SigmaSystemCenter

SigmaSystemCenter is an integrated Virtualization Platform Management Software for servers, storage and network. It has been designed to optimize existing IT resources and save energy by switching off the non used servers and to ensure high availability of applications regardless the virtual environment.

NEC ExpressCluster X

NEC's unified middleware ExpressCluster is a family of integrated High Availability (HA) and Disaster Recovery (DR) software providing wide range of solutions enabling fast recovery and continuous protection of critical applications and data.

NEC VirtualPCCenter

NEC's desktop virtualization solution dedicates a Virtual PC to each user, complete with their current desktop applications and settings. Virtual PCs reside on servers while thin clients have no storage and simply provide the user-interface. This allows users to securely access their working environment from any available terminal whenever, wherever needed.
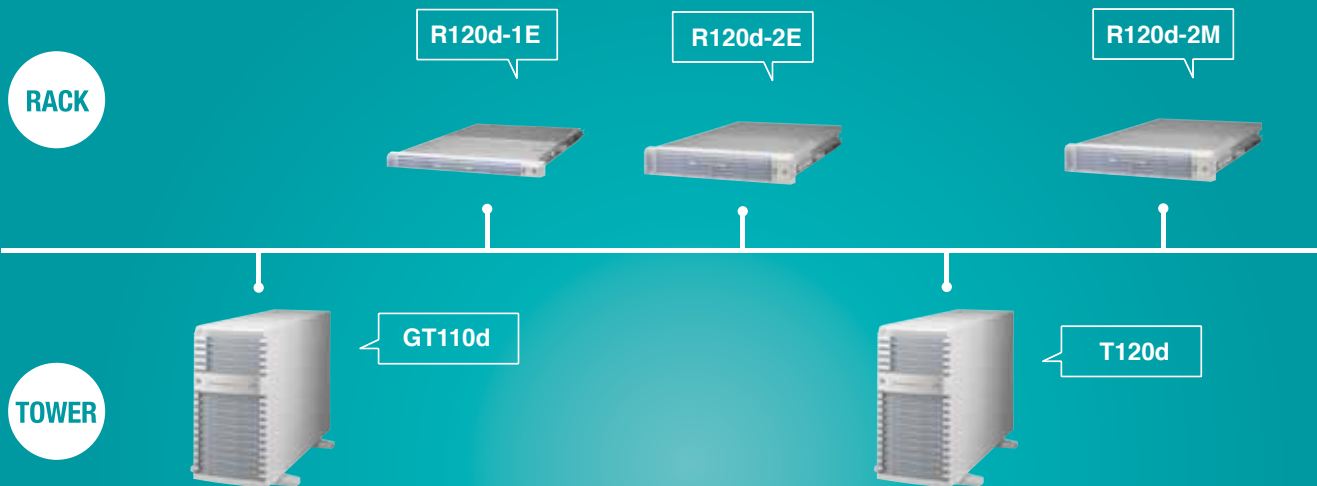
ENTRY LEVEL SERVERS TO ANSWER DAY TO DAY NEEDS

This range is part of the NEC strategy, which is to offer innovative solutions to enable energy consumption to be reduced and to minimize the environmental impact of information technologies within each business.

GENERAL PURPOSE SERVERS

NEC's GPS server range allows each company to
• increase its efficiency and productivity by including more powerful and scalable servers with an improved performance of 40% to 130% compared to previous generations.
• reduce the energy consumption and management costs by up to 30%.
• reduce the complexity of the infrastructure using simplified remote administration

RACK

R120d-1E R120d-2E R120d-2M

TOWER

GT110d T120d

Moreover, NEC benefits from a great deal of experience with super computers and mainframes, which has enabled us to offer high quality, reliability and high performance in these servers.

NEC FLEXPOWER SOLUTION

This all-in-one infrastructure server embeds up to 6 blade servers, up to 14 disks and network switches in a single enclosure ensuring high availability with its complete components redundancy. It is designed for small and medium-sized companies which are looking for a cost-effective consolidation infrastructure solution that reduces energy expenditure by 30%

NEC SIGMABLADE

The new NEC SIGMABLADE range consists of three versions of blade servers and high density chassis, embedding from 8 to16 blades (SIGMABLADE M or H). NEC SIGMABLADES are an effective solution to solve consolidation and maintenance problems.

NEC SigmaSystemCenter provides a unified management of physical and virtual infrastructure: from installation to maintenance, providing manual or automated advanced operations features (provisioning, alarms, high availability plan etc.)

Characteristics
• High-density and space savings
• Scalable systems
• Energy saving
• Simplified cabling
• Simplified administration

SERVER VIRTUALIZATION

REDUCE OPERATIONAL COSTS (OPEX) WITH SERVER VIRTUALIZATION.
In order to face new IT challenges linked to political, economic and environmental aspects (financial crisis, mergers and acquisitions, competitiveness, CO2 impact), NEC offers a very pragmatic approach around virtualization technologies designed to make your business more agile, more efficient and more cost effective.
NEC proposes virtualization solutions for SMB and Large Accounts, from simple to complex architectures.

One of NEC's strengths is that it can provide solutions appropriate for handling heterogeneous virtual environments. From the deployment of servers and virtualization software to centralized management, NEC provides comprehensive solutions tailored to customer requirements.

NEC's packaged offering

To allow small and medium size companies to optimize their costs and opt for simplicity, NEC has built virtualization offers based on its All-In-One server. NEC's solution provides an unified administration of both physical and virtual infrastructure. The NEC FlexPower server combines computing, networking and storage capabilities in one system to meet SMBs' need for budget-friendly IT simplicity and flexibility.

SERVER VIRTUALIZATION NEEDS	YOUR CHOICE
• Optimize your existing Window servers environment • A cost-effective solution • A full integration with Microsoft System	**FlexHyperV** Windows Server 2008
• All-in-One VMware infrastructure • Optimal flexibility • Advanced virtualization features • High availability	**FlexvServer** **vm**ware®

Customized infrastructure

With NEC's servers, storage, blades and management software, companies of all size can build their own customized infrastructure to address high availability and tasks automation requirements for optimum agility.

CUSTOMIZED VIRTUALIZATION NEEDS	YOUR CHOICE
• High performance • Scalability • Maximum density • High availability • Agility • Multi-site	

DESKTOP VIRTUALIZATION

HVD (Hosted Virtual Desktops) should represent 40% of the installed base of desktops by 2013 (Source IDC in February 2009) due to great benefits providing the user a new ease of use of their work environment more flexible and more mobile, providing the CIO better agility while reducing OPEX. It is indeed for IT managers a way to increase the security of their information system, to offer its users a high level of service (high availability), to reduce expenses related to maintenance and administration of the PCs to focus on its business applications to be an actor in the overall performance of the company.

NEC's packaged offering

FOR SMALL BUSINESSES

❖ **VPCC in a Box is ideal for organization of less than 20 users. VPCC in a Box includes onto a single physical server its virtual management server together with 20 virtual PCs. It can be installed on both major virtualization environments: VMware ESX and Microsoft Hyper-V.**

NEC's partners provide VPCC in a Box to customers with no IT resources, together with a service offering remote administration of their workstations. NEC VPCC in a box is also an excellent solution for businesses that want to evaluate the feasibility and adaptablity of desktop virtualization to their needs over a longer period.

- Virtualization appliance
- Simplicity and flexibility
- Good price value to replace PCs

VPCC

FOR SMALL & MEDIUM BUSINESSES

The NEC FlexPower, NEC's micro data centre that hosts the solutions, has an entirely modular design and a very intuitive administration console. It incorporates up to 6 dual-core compute modules, up to 14 hard disk drives and an integrated network switch within a single enclosure.

❖ The FlexNDV bundle combines the user friendly approach of NEC's FlexPower solution with the Neocoretech Desktop Virtualization software solution and promises a ROI in less than 1 year.

- Virtualization appliance
- Simplicity and flexibility
- On demand scalability
- Unmatched pricing to replace PCs

flexndv
Virtual PC Power

❖ The FlexVPCC solution is a scalable appliance that offers simple administration and workstation virtualization for 20 to 200 users.

- Performance and efficiency
- Advanced management features
- All in one solution
- Proven solution

FlexVPCC

Customized infrastructure

FOR MEDIUM AND LARGE BUSINESSES

Since 2006, the Virtual PC Center (VPCC) solution has been deployed in numerous companies all over the world. NEC is proud of having completed large installations, some reaching 30 000 desktops.

❖ The NEC VirtualPCCenter solution covers all aspects of the virtualization of desktops, from the hardware infrastructure to the administration software platform and the thin clients. The advanced administration tools guarantee the stability of the infrastructure thanks to advanced functionalities such as the supply of virtual machines and servers on demand or access filtering.

All the companies, according to their size and business sector, do not have the same needs in term of security and guarantee of service. The NEC VirtualPCCenter solution works with various components which allow to adapt the level of High Availability of the desktops to constraints.

- Integrated solution
- Advanced multimedia features
- Advanced management for large scale deployments
- Energy efficiency
- High availability

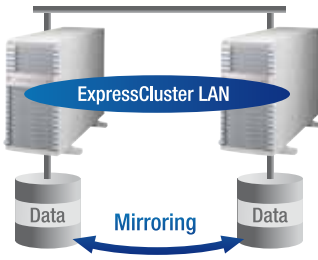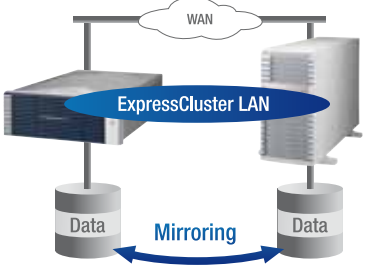VPCC

BUSINESS CONTINUITY

Businesses today cannot afford to have systems that are not up and available, especially during peak working hours. The planning, design and implementation of an NEC Business Continuity solution will ensure that critical systems and data are available when needed.

Business continuity approach

High Availability	Continuous Availability	Continuous Availability + Disaster Recovery
NEC Mirrored Software Cluster	**NEC Mirrored Software Cluster**	**Mirrored Software & RedundantServer WAN Cluster**

Uptime: 99.9%-99.99%	Uptime: 99.999%	Uptime: 99.9%-99.999%+
Downtime: 1-9hrs/yr	Downtime: 5 MIN/yr	Downtime: 5 MIN/yr, plus disaster recovery
Hardware Availability: 99.99%	Hardware Availability: 99.999%	Hardware Availability: 99.999%
Software Availability: 99.99%	Software Availability: N/A	Software Availability: 99.999%
Scope: LAN	Scope: Local Only	Scope: WAN

- Local high availability for transactional systems
- Synchronous data integrity
- Full software redundancy

- Redundant hardware operates as a single server
- Lockstep failover for hardware
- Hot-swap server modules

- System disaster recovery
- Synchronised data integrity
- Low bandwidth and long distance WAN support

Fault Tolerant

Deploying a highly available IT system and reducing acquisition and operational costs. IT managers need to offer their customers, internal or external, a level of unprecedented service with reduced budgets. High-availability technologies are numerous (Cluster hardware and software, fault tolerance hardware and software) but more often uneven in terms of acquisition costs and administrative complexity. NEC has opted for the best ratio of cost, simplicity and performance by offering a complete range of solutions.

NEC's Fault Tolerant servers achieve up to 99.999% system uptime or approximately five minutes of annual downtime.

«Hardware failure is the most common reason for unplanned downtime,» said Matt Eastwood, group Vice President, Enterprise Platforms, IDC. *«Unplanned downtime can cost millions per hour, and can result in lost lives, loss of business, and SLA fines. Fault tolerant servers offer improved continuous protection against hardware failures and provide enterprises with a critical solution to these challenges.»*

The Fault Tolerant server is the only solution that can offer a total security with non stop business, no loss of any transaction in case of hardware failure. This has to be compared to a physical or virtual cluster where the application will crash in case of hardware failure and where at least 5 to 10 minutes will be necessary before recovery.
Last but not least the Fault Tolerant server requires no on-site technical skill and is also provided with a remote, non intrusive monitoring service by NEC.

FAULT TOLERANT FEATURES

- High system performance
- Built-in high availability technology
- No loss of transactions, no loss of data
- 100% standard components redundancy
- Support of virtualization technologies (VMware, Hyper-V)
- Water cooling to reduce noise level

Applications High Availability and Disaster Recovery with NEC ExpressCluster X

NEC's award-winning ExpressCluster X is an integrated high availability and disaster recovery software providing 99.99% availability with fast recovery and continuous protection of business critical applications and data. ExpressCluster X enables easy to deploy and cost effective continuity solutions for any application and provides enhanced failure detection at user level for industry standard database and email systems such as MS SQL, Oracle DB, IBM DB2, MySQL, MS Exchange, Sendmail, etc.

Moreover, ExpressCluster X is the only solution on the market being able to secure virtualized environments at all levels (Hypervisor level to secure the virtual machine and application level to secure the application inside the VM). ExpressCluster X provides a single administration console to manage physical and virtual environments (Windows, Linux, VMware, Citrix, Hyper-V).

NEC storage solutions for continuous protection

NEC offers a wide range of storage solutions — from the latest enterprise M-Series SAN, to datacenter-class enterprise systems and the next-generation grid storage system — all designed to respond to the storage challenges that businesses face today.

Built on NEC's proven technologies, our storage products enable businesses to manage data more effectively. Whether it is the latest SAN or the revolutionary grid storage system, our storage solutions deliver higher data resiliency, superior scalability, simplified operations, and a lower TCO through NEC's innovative technologies. The NEC D-Series range and the new M-Series range consist of several models of storage arrays: The D8-30XX, M100, M300 and M500.

D8 Series adopts building block architecture for the first time in the industry while having the functions and performance of high-end class storage.
Non-disruptive upgrade from small-scale to large-scale is available.
The M-Series range benefits from unique dynamic pool functions which enables on-the-spot capacity expansion.

Services - 24/7

Based on NEC's extensive customer knowledge, we have designed a full range of complementary services and solutions for all of IT needs. NEC ensures thorough pre and post sales support: comprenhensive consulting services-custom factory configuration and remote monitoring.

- On-site installation
- Dedicated customer support centres
- Customised levels of on-site support

SCALABLE SERVER *Express5800/A1080*

The Scalable server is the perfect solution for companies who want to install or migrate their transactional or decision-making databases onto Windows or Linux but want to keep a high level of reliability and performance.

Scalability and Performance

Its modular design and internal I/O and HDD capacity enables to install demanding databases whithout additionnal SAN or NAS. It also allows to start with one module to be upgraded step by step according to the database growth.

The conception of the chipset made by NEC offers the best performance score at TPCE and supports different strategies like hardware partitionning or memory and CPU fusionning for demanding ERP.

Business Security

If a huge database requires power, it also requires a high level of security. That's why NEC has designed the scalable server with RAS features and architecture in order to limit and shorten any downtimes.

- All components (except motherboard and CPU) are hot swap
- A software engine remotely monitors the system and repairs small bugs
- In case of CPU failure the systems degrade and reboot. Competitive systems stop fully
- In case of maintenance the I/O and motherboard are easily swapped
- The SAS controller is independant from motherboard and can be replaced quickly
- All raid configurations are supported

Finally the Scalable server offer the best performance and security of the market up to 64 cores and 1TB memory in order to support a wide range of SQL data bases and ERP.

UNIFIED COMMUNICATIONS

Increase employee productivity and engagement with new generation tools

The visionary approach of NEC takes its full dimension when it can offer end to end solutions. NEC is able to finally make unified communications accessible to SMBs and large accounts with an unmatched level of availability and provide complete and comprehensive telephony systems.
Thanks to its Fault Tolerant technology and Flexpower, NEC offers a unique and simple solution for Microsoft Exchange and Office Communication Server deployments (only one single standard license is required).

This solution provides the following key benefits:

- Optimized acquisition cost
- Simplicity
- Scalability (up to 2500 users)
- Unmatched high availability 99.999%

SIMPLE & NON STOP

| LYNC |
| Exchange |
| NEC Fault Tolerant or NEC FlexPower |
| *Windows 2010 Enterprise* |

All in One **NON STOP**
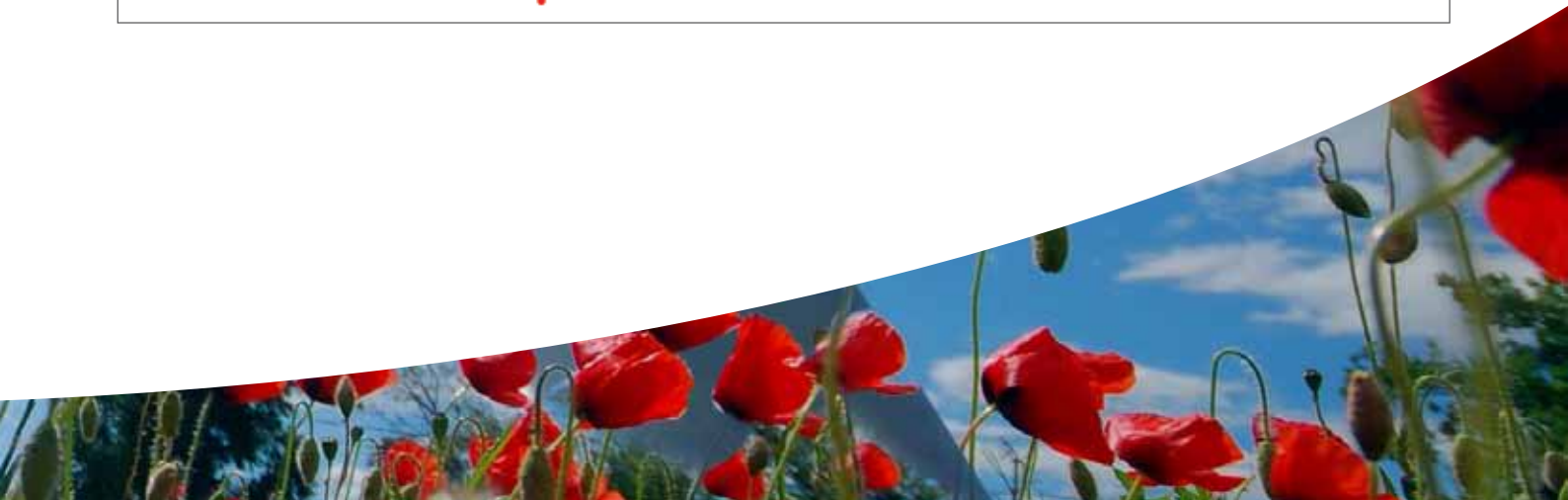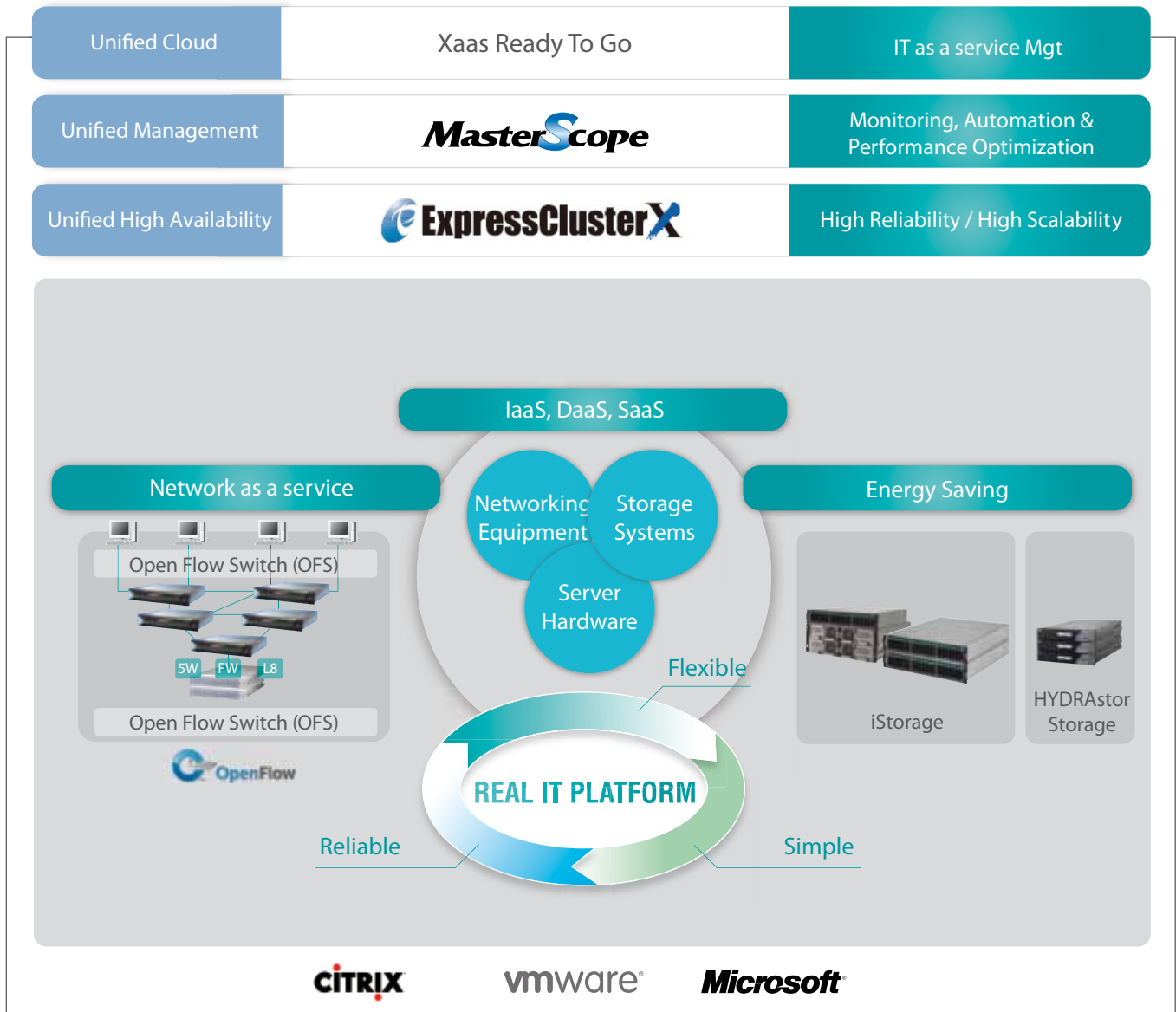
NEC UNIFIED COMMUNICATIONS

NEC

- 1 single platform required
- Business continuity
  No failover for critical system roles
- License optimization costs
- High scalability

DATACENTER

Technologies such as IaaS, PaaS, SaaS, DaaS are becoming increasingly more appealing to CIOs when considering how to get the best performance and value for money from their IT investments. CTOs and Datacenter Production Managers have today, thanks to rapid technology evolutions, the opportunity to think their IT differently to become more agile and flexible, being able to adopt new trends such as ITaaS and Pay Per Use models. The adoption of those models is high within enterprises willing to become more dynamic, performing and willing to reduce their OPEX.
Convergence of IT and Network technologies, allows cost reduction and new ways of delivering IT as services.

Today, NEC is the only Hardware vendor being able to offer with its own brand all components required to setup such kind of agile IT infrastructure:

Unified Cloud	Xaas Ready To Go	IT as a service Mgt
Unified Management	**MasterScope**	Monitoring, Automation & Performance Optimization
Unified High Availability	**ExpressClusterX**	High Reliability / High Scalability

IaaS, DaaS, SaaS

Network as a service

Networking Equipment
Storage Systems
Server Hardware

Open Flow Switch (OFS)

5W   FW   L8

Open Flow Switch (OFS)

OpenFlow

Energy Saving

iStorage

HYDRAstor Storage

Flexible

REAL IT PLATFORM

Reliable

Simple

CITRIX   **vmware**   **Microsoft**

Datacenter energy-saving platforms

ECO CENTER

❖ **ECO CENTER Modular server is the perfect solution for virtualization farms mixing performance and energy saving. Its design helps companies save:**

- 50% of energy compared to a standard server rack
- 50% of space in order to reduce datacenter foot print
- 50% of weight in order to ease moves mobility and reduce overall weight

The in-rack datacenter concept optimizes the vertical integration of servers, storage and networking. In addition to this, NEC has developed a complete solution including applications and network switches in order to provide an evolutionary cloud platform - ideal for hosting providers entering the SaaS market.

With the integration of the NEC SigmaSystemCenter, the ECO CENTER optimizes the power efficiency by effectively managing all of the physical and virtual servers.

The NEC ECO CENTER is the perfect example of NEC Innovation which enables organizations to invest in technology in line with their corporate responsibility and eco policies.

- Low Energy consumption and less material used
- Longer life cycle of solution and components
- Management time reduced

❖ **The ECO CENTER Rack server is the ideal solution for hosters and web farms especially those running Linux environments. Its design is adapted for companies to:**

- Save 50% of energy compared to a standard racks
- Install 28 servers into a 42U rack limited at 6Kva
- Ease the deployments by reducing weight by 30%

In addition to reduced component energy consumption and Silver PSU this model offers useful features like:

- Power capping and dynamical management of CPUs and fans
- Remote administration and updates
- Remote and automatic survey of HDD (whatever the OS)
- Remote Power Consumption reporting
- Wide support of Linux versions (RedHat…Debian…Fedora and more)

This server is the second generation of imodel and has been designed for and with Japanese Hosters and ASP inputs. This server answer datacenter requirements for:
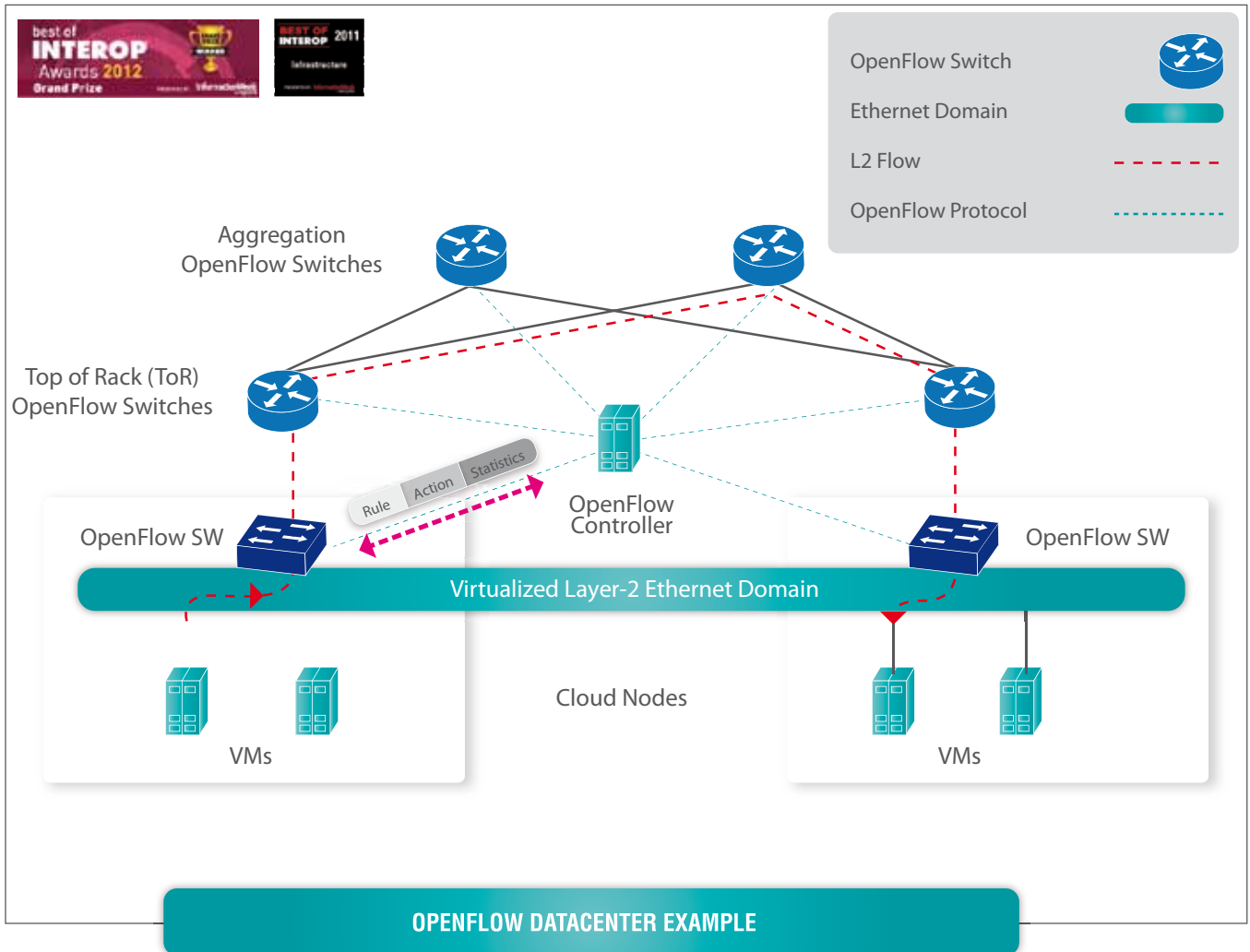
- Energy saving
- Manageability
- Reliability
- Flexibility

Network Virtualization

PROGRAMMABLEFLOW

When setting-up an elastic IT infrastructure, the core of the infrastructure is the Network. Traditional networks face many issues of performance (Spanning Tree, bandwidth usage), lack of scalability and optimization, maintenance difficulties, and unsuitability to Cloud architectures.

ProgrammableFlow from NEC is a Standard OpenFlow SDN (Software Defined Network) solution that provides Network as a Service, based on Virtual Tenant Networks (VTNs). Providing unlimited scalability to multi-sites datacenters that need to be agile, flexible and performing, ProgrammableFlow responds perfectly to cloud architecture needs.

OPENFLOW DATACENTER EXAMPLE

ProgrammableFlow resolves most of traditional networks issues or constraints while simplifying Network management and maintenance (Software control) and brings the required flexibility for the setup of ITaaS.
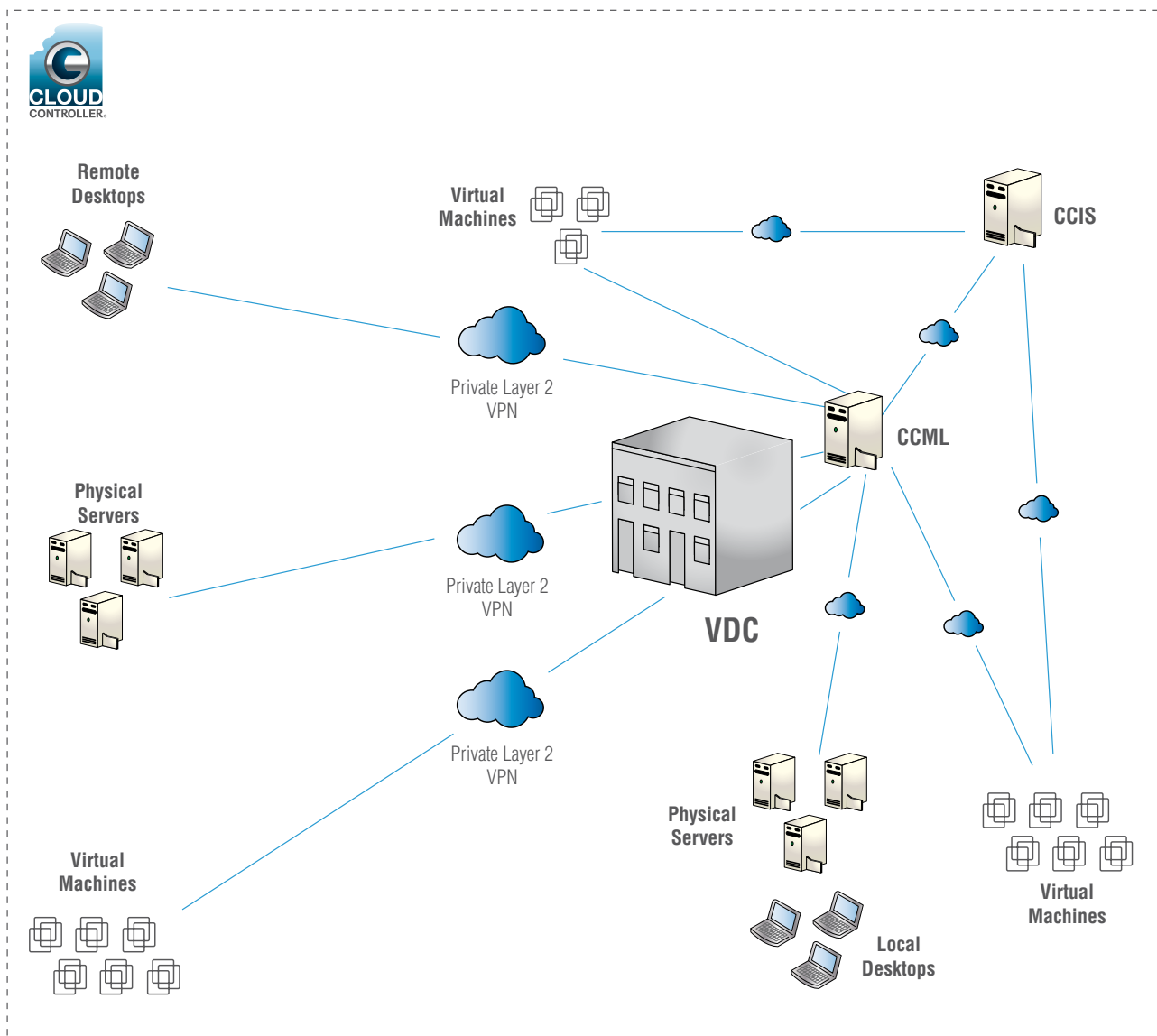
- Flat L2/L3 Network environment
- Multi-Tenant virtual networks
- Bandwith optimization (Multipath, Level 2,3 & 4 rules)
- Central Management
- Security: ACL move with VMs

- Hypervisor agnostic
- Simplified maintenance and power savings
- Application control via APIs & CLI
- High scalability

ITaaS / Cloud Computing

XaaS Ready to Go

XaaS Ready To Go, provides to large enterprises a Private Cloud solution to deploy ITaaS in a very simple manner.

With CloudController software, the IT architecture becomes agile, flexible and elastic, by providing on demand IaaS, PaaS and SaaS through a self-service Web portal. While CloudController allows companies to re-invoice their IT (internally or externally) with its built-in advanced Business Process Management, it also provides many features to reduce the OPEX by automating Cloud services management (automatic provisioning, billing, applications streaming & paging etc.). It's SaaS module allows central management and maintenance of applications that can be streamed to thousands of users, on demand, as a service.
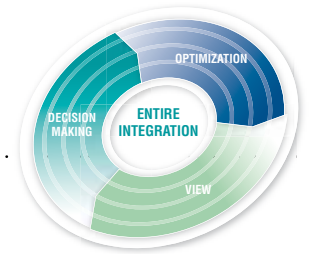
CloudController provides:

- ITaaS: IaaS, PaaS, SaaS with a self-service web portal
- Consistent control of allocated IT resources
- Contract management and reporting
- Automatic provisioning and billing of IT resources

- Multi-sites IT resources management
- Multi-Tier Business Process Management
- Hypervisor agnostic

  (VMware, Citrix, Hyper-V, Redhat KVM)
- Online or offline application streaming

DataCenter Management

NEC MasterScope

An integrated administration software suite working in multiple vendor environments.

MasterScope Invariant Analyzer

Analyzing behavior, invariant Analyzer (IA) prevents IT performance degradation and business disruption. MasterScope Invariant Analyzer is an analytics based NEC patented technology that can analyze large amounts of performance metric data collected from multiple monitoring tools to automatically discover important relationships and detect system performance anomalies. By quickly localizing likely root cause components even in large-scale systems, Invariant Analyzer (IA) enables proactive system performance management to uncover and avoid potential performance problems.

- Automated analysis of performance
- Automated detection of silent failures, without a defined threshold
- Visual identification of faults and their causes

- Recording of resolution methods for later use
- Analysis in real time when combined with the Mission Critical Operations module
- Operates in different environments: OS, applications, hardware

MasterScope MISSION CRITICAL OPERATIONS

MISSION CRITICAL OPERATIONS insures the supervision of the system failures and assists through their resolution by means of elements integrated into its knowledge base. The opened critical environments are secured and stabilized.

- Integrated monitoring of enterprise-wide systems
- Reduction in workload through automatic operation
- Rapid and reliable cause determination by failure analysis

- Accumulation of knowledge and shared expertise in a database
- Monitoring of all the components of large complex systems

MasterScope SystemManager

SystemManager is a server system monitoring tool, detecting applications, processes and system failures. Simple to install & easy to use, it is a suitable tool for CIOs of small and medium-sized organizations. This powerful tool is perfect for managing fleets of 10 to 100 servers, whether or not they are running on the same systems. SystemManager's boasts comprehensive monitoring features. Alerts are easy to understand and the user friendly interface shows the user instantly which server is associated with a failure.

- Process, services, OS, and applications monitoring
- User-friendly interface and Web access
- Thresholds possible for CPU, HDD and memory
- Event log
- Virtual machine monitoring: Hyper-V, VMware

- Dynamic mapping
- Consolidated alerts, sorted by criticality
- Resource efficient
- Disk space alerts and logs
- Quick installation, without script

MasterScope Network Manager

Network Manager is a simple and comprehensive network management solution. It has already been installed on numerous sites and not only manages the configuration, troubleshooting and performance of the network, but also entirely handles many of the tasks related to network management, such as backing up configuration and network device data, as well as applying the software updates. NetworkManager improves your quality of service by easily identifying the source of a failure, checking the traffic and bandwidth quality and configuring a new switch in a matter of minutes.

- Multi-brand device management
- User-friendly interface, Web access
- Graphical views of the Front Panels
- Detailed traffic reports
- Hardware configuration with logs

- Batch upgrade & backups
- Error detection by "ping" & SNMP
- Real time alerts or via email
- Pv6 monitoring

SigmaSystemCenter

SigmaSystemCenter is an integrated Virtualization Platform Management Software.
When a company starts to get a large estate of servers, applications, OS and virtual environments, the optimization of the system becomes increasingly complex. SigmaSystemCenter has been designed to automate operations and optimize the workload of the servers and save energy by switching off the non used servers.

- Mixed physical & virtual environment management
- Hardware monitoring
- Integrated multi-hypervisor management (VMware, Citrix, Hyper-V)

- Autonomous operations
- Automatic provisioning
- Operability and integrity

SSC is delivered in a single package, easy to install and use, offering the best features and options.

General Purpose Servers

- Performance and green efficiency
- Strong reliability
- Unmatched storage scalability

Virtualization

- OPEX reduction
- Server consolidation
- Multimedia user experience with desktop virtualization

Business Continuity

- Non Stop business
- High performance
- Disaster Recovery Plan
- 1 single solution for physical and virtual environments

Datacenter

- Energy saving
- Manageability (Physical and virtual systems)
- Reliability
- Space saving

Datacenter Management

- Mixed physical & virtual environment management
- Autonomous operations
- Hardware monitoring
- Provisioning
- Integrated VM management

Unified Communications

- Optimized acquisition cost
- Simplicity
- Scalability (up to 2500 users)
- Unmatched high availability 99.999%

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