

High Availability Unified Communications Solution

# Redundancy Solutions for Virtual SV9500



## At a Glance

- Minimized disruption of critical communication services and associated business processes
- Comprehensive redundancy for virtual SV9500 based unified communication (UC) systems
- Fully automated local or remote recovery with any manual operator intervention
- FT server for instantaneous recovery from hardware failures for 99.999% hardware availability
- ExpressCluster software for remote disaster recovery from hardware, software and site failures

## Overview

Continuous and integrated communication is a major requirement for most organizations to support critical business operations. Virtual SV9500 is NEC's award-winning enterprise collaboration and unified communication (UC) solution that help organizations meet their demanding communications needs with integrated voice, video, and messaging services. It is scalable to thousands of IP stations, allowing companies to communicate efficiently and increase capacity as they grow. However, as more users rely on UC services for business critical communications, any disruption in UC services can have serious business impact. To address such challenge, NEC has developed comprehensive redundancy solutions for the virtual SV9500 systems based on NEC's Fault Tolerant (FT) servers and ExpressCluster software.

NEC FT Server provides local redundancy and resilience to keep high availability and instantaneous recovery of virtual SV9500 systems from server hardware failures. NEC ExpressCluster software provides remote disaster recovery to protect against application and site level failures for virtual SV9500 systems that support users distributed across multiple locations. Virtual SV9500 systems can be deployed with either FT server or ExpressCluster but deploying both ensures the highest level of resiliency and availability. In addition, FT server and ExpressCluster are both fully integrated with the virtual SV9500 for easy deployment and ongoing operations.

### Local Redundancy for Hardware Failure Recovery with FT Server

Achieving near-zero downtime, FT server is designed with redundant hardware components (processors, memory, disks) with lock-step parallel processing for critical application systems that cannot afford a single moment of disruption. There is no other server in the market that guarantees the performance and local redundancy of NEC FT servers. NEC's FT servers are designed with innovative technology that enables continuous availability for a solution with up to 99.999% system uptime while providing data integrity and exceptional performance.

The FT server delivers an innovative solution to minimize hardware failure caused downtime for your most important application systems. When integrated to your virtual SV9500 system, it provides the necessary redundancy to avoid for critical UC services disruption and data loss due to server hardware failures.



**Express5800**  
Fault Tolerant Server



**Express5800**  
General Purpose Server



Hospitality



Government



Education



Healthcare



Finance



UMS



UC Desktop



Mobility



Collaboration



Contact Center



Admin & Management



Attendant



Vertical Apps



E - 911

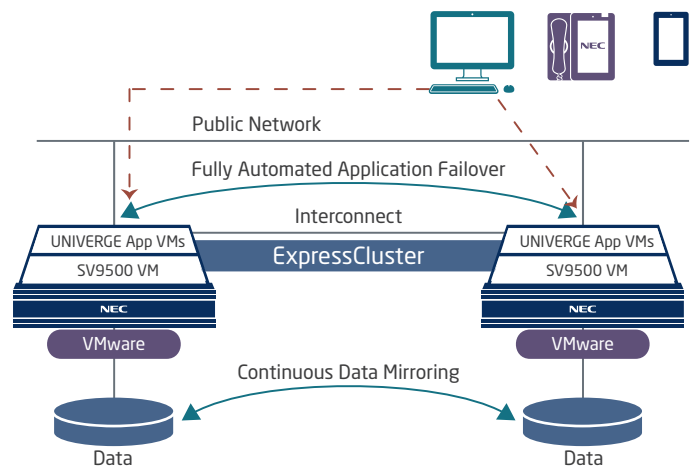
IP Telephony Call Control

UC Applications

## Geo-Redundancy and Remote Disaster Recovery with ExpressCluster

NEC ExpressCluster software provides fully automated remote disaster recovery for critical application systems from hardware, software and site failures with granular failure detection and intelligent data mirroring. ExpressCluster for virtual SV9500 provides fast recovery from primary to remote disaster recovery site to minimize disruption of UC services for remote users and branch offices due to failures at the primary site.

Since ExpressCluster provides fully automated recovery, no manual intervention is required further minimizing potential recovery delays. Automatic failover of applications and real-time data mirroring drastically reduce recovery time and data loss to avoid serious business impact. In addition, support for common industry standard infrastructure significantly reduces total cost of ownership for the solution without compromising effectiveness.



## NEC Worry-Free Integrated Solution

Organizations spend too much time battling IT and communication problems instead of driving their digital transformation. NEC's IT infrastructure delivers better performance, reliability and support for the complete, worry-free environment and ultimate customer experience.

Integrating the virtual SV9500 with Fault Tolerant (FT) server and/or ExpressCluster software, you have a complete High Availability UC solution powered by a single partner, with unified support. NEC is committed to provide you a worry-free IT infrastructure, empowering your organization with better performance, reliability and support for the ultimate customer experience.

Contact us or one of our valuable NEC partners if you are interested in learning more about our worry-free High Availability Unified Communication solutions.

"Learn more about NEC's [UNIVERGE SV9500](#), [Express5800 Fault Tolerant Servers](#), or [ExpressCluster Software](#)."

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