

THE FREEDOM OF CHOICE

CORE ACTIVATION ON DEMAND

In the fast-paced and ever-growing technology world, processors continue to grow bigger, faster, and better. Unfortunately, so do the costs. Companies prefer the latest and greatest technology, but they don't always need it—at least, not yet. Today's more advanced core-heavy Intel chip needs servers to support its processing power; however, businesses may not necessarily need all CPU cores. That's where a "pay as you grow" approach can help.

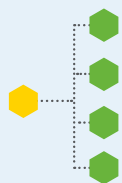
NEC's unique Capacity Optimization Technology (COPT) on its scalable Enterprise Server, Express5800/A2040b, enables you to customize the number of cores you want activated and offers the flexibility to pay to activate more as workloads increase.

HOW DOES COPT WORK?

COPT provides improved **reliability** and **scalability** by enabling you to add available unused CPU cores whenever you need.



As system demands increase, easily enable more cores using a core activation key.



Scale up from a single core to the system's 60-core maximum across 4 CPUs.

YOUR CORE ADVANTAGE

NEC's technology to **improve availability** of CPU resources **ensures maximum uptime** and availability.



Protect against CPU failures, and increase scalability without any physical hardware maintenance or intervention.



The system's **predictive failure analysis feature** detects processor errors and de-allocates the CPU core when error thresholds are met.



Then, the **CPU Core Sparing feature** automatically replaces a de-allocated CPU core with a spare one—ensuring IT is able to keep applications running and available to the business unit.

ADVANCED RELIABILITY, AVAILABILITY, AND SERVICEABILITY



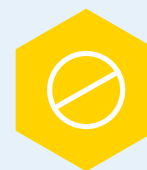
Optimum server availability



Constantly monitored for errors



Detects and recovers



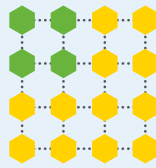
Minimize the risk of single point of failure

IMPLEMENTATION BENEFITS



Financial Advantage

Lower upfront cost:
Pay only for the number of cores needed, then pay as you grow.



Highly Customizable Flexibility

Options to suit your needs:
Configure large memory and/or large IO system with turbo-charged core power.

NEC offers a flexible, pay-as-you-grow approach.

Don't pay for something you don't need. Invest in the latest server chip without breaking the bank. NEC's COPT offers the flexibility to pay and enhance core power as your business grows. For more information, visit www.necam.com/enterpriseserver