Using Data Center to Accelerate Growth

Cisco UCS cloud computing platform enables Erste Bank Serbia to reduce costs, carbon, and time-to-market.

Customer Name: Erste Bank a.d. Novi Sad

Industry: Financial Services

Location: Serbia

Number of Employees: 1000

Business Impact

- 65 percent increase in server utilization, enabling 1:10 consolidation of servers
- 80 percent reduction in energy costs, plus IT savings, providing return on investment within 10 months
- Provisioning cut from several weeks to two hours

Rather than enabling the company’s plans for growth, Erste Bank’s data center architecture had become difficult to scale and expensive to run. These problems were compounded by a dedicated server approach that used physical servers to run individual applications, such as domain controllers, file servers, SQL databases, Microsoft Exchange, and voice recording services. This traditional approach resulted in under-utilized hardware, server sprawl, multiple vendor relationships, nonuniform IT processes, and rising operating costs (space, power, cabling, and hardware).

Erste Bank’s response to these challenges was to create a new cloud computing model, one that offered financial savings, faster time-to-market, and simpler, greener IT operations.

Solution and Results

Erste Bank worked with its local Cisco Partner to better understand the potential benefits of data center consolidation, virtualization, and automation. A detailed analysis showed that the Cisco Unified Computing System™ (UCS) offered superior VMware vSphere Hypervisor performance and a significantly lower total cost of ownership than that provided by other leading virtualization solutions.

The bank’s new virtualized cloud computing platform is the first deployment of Cisco® UCS in Serbia. The solution includes the VMware vSphere Hypervisor and NetApp FAS3140 SAN storage. Previous management complexities have been greatly simplified by Cisco Nexus® 5000 Series Switches, which provide a unified fabric that can carry LAN and storage traffic over the same Ethernet cable.

“We started to compare obvious things like port density and memory, but to be honest that wasn’t very helpful. With Coming’s help and cloud expertise, we were able to focus on the things that really mattered, such as how many VMware tiles each solution could virtualize, and whether this would lower our licensing costs.”

Zoran Savić
IT Director, Erste Bank Serbia
Using Data Center to Accelerate Growth
Continued

Where before there were 35 physical servers, there are now just four UCS C-Series Rack-Mount Servers. The ability to run multiple applications alongside each other on the same server has also increased utilization rates from 15 percent to over 80 percent.

As well as halving future hardware and operating costs, this 1:10 server consolidation could lower energy costs by as much as 80 percent, saving more than US$2900 per year for every server workload virtualized, or $110,000 over five years. Fewer switching ports need to be maintained, providing potential annual savings of $11,000. Also, because most service and security upgrades can be completed during the day, there is less need for staff overtime.

Business agility has also been transformed. Previously, launching a new service could take up to several weeks to scope requirements, order hardware, lay cable, and install, configure, and test equipment. Now, with Cisco UCS, a new service can be deployed in less than two hours.

These new levels of agility make it easier for the bank to support business expansion, integrate new services, virtualize desktop infrastructure, and help ensure business continuity.

Partner Profile

**Coming Computer Engineering** creates, develops, implements, and supports information and communications technology (ICT) solutions for public organizations and enterprise customers based in Serbia and abroad. With 31 highly skilled certified engineers, the company is a recognized expert in virtualization technologies, IT training, testing, installation, maintenance, and technical support.

For More Information

To find out more about Cisco cloud computing, please go [here](#).

To find out more about Cisco virtualization data center strategies, please go [here](#) and [here](#).