IBM Customer Reference

Siemens ICN

Synopsis:	*A German telecommunications company consolidates its large Sun server environment onto a single IBM eServer zSeries server running Linux, providing a flexible infrastructure to support its software development cycle that is centered around IBM Rational software*
Location:	Munich
	Germany
Industry:	Electronics
	Telecommunications
Focus Area:	Server Consolidation
URL:	http://www.siemens.com

Customer Background:

Siemens ICN is one of the key providers of profitable networks for communication and business applications. It offers a comprehensive portfolio in the area of speech and data networks, broadband Internet access, data and IP networks, optical networks, customer care solutions and mobile business solutions. Its headquarters in Munich, Germany serve as a hub for 160 regional offices and approximately 500 thousand employees worldwide.

Business Need:

Siemens ICN has to offer its customers fast and flexible solutions based on the newest technology, requiring that the company have highly available systems running on a robust information technology (IT) infrastructure. The company was looking for an open-standards-based solution to support its Web and middleware applications, specifically its software development platform. Additionally, the number of servers required to support its systems was getting out of control, and the company wanted to consolidate its Sun server environment to ease system administration and management.

Solution:

Siemens ICN saw the open source Linux operating system as the ideal platform to run its applications and chose to consolidate its large server environment onto a single IBM eServer zSeries 900 server running SuSE Linux Enterprise Server (SLES) V7.2. The zSeries server runs two Integrated Facilities for Linux (IFLs), allowing the company to leverage additional processing capacity on these two Linux-only partitions.

IBM Rational ClearCase V5 was installed on the Linux on zSeries platform to manage the customer's software development cycle. Rational Clear Case is used to manage artifacts, versioning and code - including Java 2 Enterprise Edition components - and to enable parallel software development. The Rational ClearCase implementation was completed in two steps:

- Phase One - Installation of Rational Clear Case server software on zSeries running Linux
- Phase Two - Installation of 700 instances of Rational ClearCase client software and 30 replication servers.

Benefits of the Solution:

With the flexible Linux on zSeries solution, Siemens can easily add capacity to its server environment to support additional applications. For example, additional Rational ClearCase server software can be added in minutes to expand the software development platform to meet the changing demands of the business. In addition, by consolidating onto a single zSeries server, the customer no longer has the headache of having to manage a large and disparate server environment, and saves money from a reduction in total cost of ownership. Other benefits of the solution include:

- Quick implementation
- Simple and quick application porting
- Flexibility to chose a suitable platform for every application.