





# ITI NEOVISION DEPLOYS RED HAT VIRTUALIZATION TECHNOLOGY ON HP BLADESYSTEM TO IMPROVE HARDWARE EFFICIENCY AND ACHIEVE COST SAVINGS

## FAST FACTS

Industry	Broadcast media	 
Geography	EMEA: Poland	
Business challenge	ITI Neovision looked to replace its enterprise platform solution, with a virtualized environment that could be supported by local teams.	
Business partner	Atom-Tech, Red Hat Advanced Business Partner in Poland recommended Red Hat Enterprise Linux as the solution	
Migration path	Gentoo Linux to Red Hat Enterprise Linux	
Solution	Red Hat Advanced Business Partner, Atom-Tech, recommended and implemented Red Hat Enterprise Linux on HP BladeSystems to address ITI Neovision's cost and performance utilization issues	
Software	Red Hat Enterprise Linux 5.3 and Red Hat Enterprise Linux Advanced Platform with built-in virtualization and Red Hat Cluster Suite	
Hardware	HP BladeSystem BL460c	
Benefits	ITI Neovision has deployed a stable, reliable and officially supported platform which ensures availability of the company's broadcast services. Red Hat Enterprise Linux with virtualization has significantly improved hardware management in terms of full utilization of available servers. Red Hat virtualization can easily scale to accommodate the demand for new servers. The company has also achieved significant cost savings and obtained all the required components in one solution.	

## BACKGROUND

The ITI Group is Poland's leading media and entertainment group. It is active in television broadcasting and production, multiplex cinema operations, home video and theatrical distribution, special events organisation and new media. As a subsidiary of the ITI Group, ITI Neovision offers the first Polish DTH (Direct to Home) platform, called "n". The platform includes High Definition television channels and digital entertainment services broadcasting. The "n" package broadcasts 79 television channels, hundreds of satellite channels as well as a vast library of movies and TV series' in the Video on Demand package. As the new generation TV, "n" continuously expands its programmes and introduces new services and channels, many of them in High Definition.

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- Maciej Hajduk, IT Infrastructure Manager,

ITI Neovision

The dynamic growth and excellent results of “n” reflects a unique combination of high quality content offerings and innovative services. In June 2008, ITI Neovision launched a triple-play service combining television, internet and telephony. Following the upgrades of the nBox HDTV and nBox HDTV recorder software, subscribers of “n” have gained access to a range of new services and functionalities such as remote recording through internet and mobile phones. In October 2008, “n” launched its pre-paid television service “telewizja na karte”.

ITI Neovision worked with Atom-Tech, a Poland based Red Hat Advanced Business Partner, that focuses on generating measurable benefits for their customers by using the latest technologies and highly qualified personnel. Atom-tech provides customers with, consulting services, IT services, and assistance with the production of customised software applications.

## BUSINESS CHALLENGE

ITI Neovision required a new enterprise platform which would allow it to quickly and easily implement new technology solutions and also benefit from fully accredited local support. ITI Neovision’s hardware supplier, did not support its previous platform, Gentoo Linux.

ITI Neovision considered two possible solutions – Red Hat Enterprise Linux and SUSE Linux Enterprise. A positive experience with the Red Hat community version, a well-known brand name and HP’s ability to support Red Hat Enterprise Linux were the main criteria for selecting the Red Hat solution. Local partner Atom-Tech, who recommended the Red Hat solution, proved to be a reliable local partner during deployment.

## SOLUTION

ITI Neovision deployed Red Hat Enterprise Linux 5.3 with virtualization and Red Hat Enterprise Linux Advanced Platform as its standard platform, all of which is running on HP BladeSystem. Other components of the infrastructure are MySQL database, Apache web server, FTP server, proxy server and SAN Network.

There are five host machines running on Red Hat Enterprise Linux. Every host machine supports four

virtual machines including all the necessary applications. The virtual machines are also services in a failover cluster including Microsoft Windows 2003 servers. Such a set up offers ITI Neovision a high level of flexibility as it enables the migration of virtual machines between physical servers as needed. Red Hat Enterprise Linux Advanced Platform with Red Hat Cluster Suite ensures high availability of the virtual instances, which run ITI Neovision’s mission-critical applications.

## BENEFITS

It is of the utmost importance to ITI Neovision to have a robust, stable and reliable platform which ensures availability of the company’s broadcast services. Since deployment the number of outages has been reduced significantly.

Another important benefit is ease of use. The Red Hat solution includes a number of useful tools, such as clustering which enables the automation of several tasks managed by the IT department, increases work efficiency and saves time on a daily basis. Atom-Tech, the Red Hat Advanced Business Partner in Poland, provides local Polish language support which is crucial for ITI Neovision, as well as excellent IT engineering skills.

Red Hat Enterprise Linux has significantly improved hardware management by making the best possible use of all available hardware. Previously, servers were under-used in terms of processing memory because each operating system required one physical machine. Now thanks to Red Hat Enterprise Linux virtualization, ITI Neovision can use one physical machine for five operating systems. ITI Neovision is a fast growing company and with the Red Hat solution it is able to scale to meet any future growth.

“New projects are coming along almost every day and Red Hat virtualization can easily accommodate the demand for new servers. We can literally deploy a new server in a minute,” says Maciej Hajduk, IT Infrastructure Manager, ITI Neovision.

The Red Hat solution is less costly compared to proprietary alternatives, particularly because there are no license fees involved. An important added value of the



Red Hat solution is that it contains all the necessary components in one solution set.

“With Red Hat we obtained everything we needed - operating system, virtualization, firewall etc. - in one package whereas with proprietary vendors we would have to buy everything separately. We have achieved significant cost savings by selecting Red Hat solution which is very important in the current economic climate,” said Maciej Hajduk, IT Infrastructure Manager, ITI Neovision.

## FUTURE

ITI Neovision is planning to expand its Red Hat deployment to include the full 24/7 Red Hat support as well as leveraging Red Hat training and certification. As a result of its excellent experience with the current platform Red Hat has become part of the long term IT strategy at ITI Neovision. The company is planning to install Red Hat Enterprise Linux on more servers and thereby increase the potential for virtualization. Additional virtual instances are currently being installed on the same hardware server as a testbed for other platforms. Further expansion on other Red Hat products is also being considered.

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