

Russian Railways Endorses Trend Micro™ InterScan™ Web Security Virtual Appliance for Improved Protection and IT Efficiencies

Russian Railways is a strategic entity in Russia and is currently expanding east-west and north-south Eurasian transport corridors to help integrate Russia into the global economy. Securing the mission-critical infrastructure falls to regional IT teams who must evaluate, select, and deploy commercial-grade security solutions.

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— Dmitry Patrín, Chief Information Security Officer, Far Eastern Branches, Russian Railways

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KEY BENEFITS

- **Optimized server investment.** Virtual appliance increases server utilization rates while reducing operational costs.
- **Flexibility.** Web security solution can be re-provisioned as needed, eliminating planned downtime.
- **Hardened platform.** Security management and data flows can be isolated on separate virtual machines.
- **Real-time monitoring and reporting.** Optional Advanced Reporting and Management module provides a centralized dashboard for increased visibility of web activity.

WEB THREAT PROTECTION AT THE GATEWAY

Russian Railways, one of the biggest transportation companies in the world, switched to Trend Micro several years ago. Today, more than 12,000 endpoints (PCs and servers) are protected using Trend Micro™ Enterprise Security solutions as part of a strategy that builds protection at multiple points in the network. A combination of new endpoint, messaging, and gateway protection resolved the security problems that had been escalating with the previous security vendor.

Last year, when web threats escalated, Russian Railways deployed the latest version of the Trend Micro™ InterScan™ Web Security Suite solutions at the company's main Internet gateway. This allowed them to stop threats before they could impact systems and users, prevent employees from accessing risky web sites, and automate the cleanup of infected PCs. Powered by the Trend Micro™ Smart



Protection Network™ infrastructure, InterScan Web Security Suite also gave Russian Railways the benefit of Trend Micro's in-the-cloud threat intelligence including extensive threat collection and analysis.

“Trend Micro InterScan Web Security Suite gave us improved protection from web threats,” said Dmitry Patrín, chief information security officer for the company's far eastern region. “Web threats are a major concern for us so the quality of these features makes it a good solution for our administrators and our company.”

SECURITY IN A VIRTUAL ENVIRONMENT

Like many large enterprises, Russian Railways has embraced virtualization. VMware™ ESX™ servers have been introduced in the datacenter to reduce server costs, improve utilization, enable “greening” of IT, increase IT flexibility, and improve server availability

for improved disaster recovery and business continuity. The IT team at Russian Railways was happy to learn that Trend Micro offers a web security virtual appliance solution. “Our virtualization efforts are helping us reduce the total cost of ownership for our servers, while we gain increased availability and convenience in terms of managing these resources,” said Mr. Patrin. “Trend Micro™ InterScan™ Web Security Virtual Appliance product is a good solution in this environment, helping us to achieve our security goals and also take advantage of the cost savings and other benefits of virtualization.”

This summer, the IT team at Russian Railways tested the beta version of the new virtual appliance from Trend Micro. “By virtualizing this security solution, we gain increased availability for web threat protection,” said Mr. Patrin. “The latest release of InterScan Web Security Virtual Appliance also gives us new features such as the ability to scan encrypted traffic and block attempts at using proxy avoidance websites. In terms of both protection and virtualization, it is a good solution for us.”

InterScan Web Security Virtual Appliance can alternatively be deployed on traditional server hardware, turning a server into a dedicated hardened high-performance appliance. Deployed in a VMware ESX environment, the virtual appliance can be dynamically reassigned to different virtual machines to avoid lapses in security during server maintenance procedures or in the event of a platform hardware failure.

EASY INSTALLATION AND MANAGEMENT

“The virtual appliance deployment option made it quite simple to install and evaluate InterScan Web Security Virtual Appliance,” said Mr. Patrin. “To manage security in our environment, we rely heavily on reporting capabilities and the ability to drill down in real time for investigating any threat activity. These administrative tasks can be addressed with the optional Trend Micro Advanced Reporting and Management module. After evaluating both the virtual appliance and Advanced Reporting and Management, we are recommending to our Moscow head office that we license both of these solutions.”

Advanced Reporting and Management will give Russian Railways administrators and executives increased insights about how the Internet is impacting their organization. The intuitive dashboard accelerates the tasks of identifying and responding to security issues, and ultimately helps strengthen the overall posture against the latest web threats.

The testing carried out by Russian Railways highlighted another key feature of the InterScan Web Security Virtual Appliance. Deployed on hypervisor technology, management functions can be isolated from traffic being scanned. “InterScan Web Security Virtual Appliance lets us separate our management traffic flow from our data flow,” said Mr. Patrin. “By isolating the security appliance, we make it harder for security to be hacked and we minimize the performance impact of security on other applications and on traffic that is being scanned. These are more good reasons for us to deploy InterScan Web Security within a virtualized environment.”

CORPORATE PROFILE

Russian Railways, Far Eastern Branch Khabarovsk, Russia

Russian Railways is one of the biggest railway companies in the world with 85,500 km of track and 1.2 million employees. Almost 1.3 billion passengers travel via Russian Railways annually as well as 1.3 billion tons of freight. Russian Railways accounts for over 3.6 % of Russia's GDP and handles almost 80% of all transportation in Russia. The Russian Federation is the sole shareholder of Russian Railways.

- **Industry/Vertical** Transportation
- **Employees** 1.2 million
- eng.rzd.ru

TREND MICRO PRODUCTS

- **InterScan Web Security Virtual Appliance**
<http://us.trendmicro.com/us/products/enterprise/intercan-web-security-virtual-appliance/index.html>
- **Trend Micro Smart Protection Network**
<http://www.smartprotectionnetwork.com>



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