



## Major global financial services company banks on SSH Tectia® for secure file transfer and system administration

A leading financial services company with millions of customers in more than 100 countries replaces an open-source solution with SSH Tectia to secure remote system administration and file transfers.

### BEARISH ON OPEN SOURCE SECURITY

For one of the world's leading financial services firms, securing their complex global computing environment is no small task, including more than 15,000 servers and tens of thousands of users across a variety of operating systems in over 100 countries. The need to securely manage and administer security systems, policies, servers, and users across such a complex infrastructure would tax the majority of today's enterprise security solutions.

This was the situation facing one of the world's top financial institutions. The company needed a comprehensive and powerful security solution that incorporated strong encryption and support for various authentication technologies that would operate seamlessly across multiple computing environments to protect all data in transit, and would provide secure centralized management capabilities.

Initially the company tried an open-source solution, OpenSSH, but found that the scope and breadth of its security requirements quickly exceeded the capabilities of that technology. With its thousands of servers and users spread throughout the world, management of all of these installations centrally using OpenSSH became cost-prohibitive. User and host key configurations were not standardized and updating and patching programs were a major challenge. In addition, because OpenSSH only supports Unix platforms, the company was unable to extend security services to its large numbers of Windows servers – leaving a gaping hole of vulnerability in its enterprise infrastructure.

### PROFITING FROM SSH TECTIA

After a comprehensive analysis and evaluation, the company chose the SSH Tectia client/server solution to secure remote access and protect file transfers across the globe, replacing OpenSSH with SSH Tectia on computing systems without any modification to the existing infrastructure or applications. SSH Tectia was the easiest migration path from OpenSSH.

Unlike OpenSSH, SSH Tectia allowed the company to deploy a single, robust security solution across all of its computing platforms, including Sun Solaris, IBM AIX, Red Hat Enterprise Linux, and Microsoft Windows, ensuring that all critical company information was protected from end to end throughout the enterprise environment. SSH Tectia eliminated unsecured FTP and Telnet sessions, providing secure encrypted SFTP (Secure File Transfer Protocol) file transfer and



Secure Shell capabilities, instead. In addition, the standards-based SSH Tectia solution with its many built-in options, such as RSA SecurID® and smart card support, allowed the company to easily meet its authentication policy requirements.

To meet the challenge of managing and administering such a large enterprise security environment with thousands of servers and users, many operating systems and multiple applications, the company also deployed the SSH Tectia Manager solution. SSH Tectia Manager allowed the IT staff to easily pre-configure and deploy SSH Tectia installations across the globe, ensuring and maintaining consistent policies and encryption configurations. In addition, the robust auditing features in SSH Tectia Manager simplified security compliance in the face of ever-increasing government regulations.

SSH offered another major advantage over the open source approach: 24x7 technical support and custom engineering to meet the unique needs of such a large worldwide enterprise security deployment. OpenSSH offered no management functionality or satisfactory technical support, and the company was spending over \$700,000 per update or patch to maintain the OpenSSH environment. The cost of maintaining an open-source environment was staggering, and becoming cost-prohibitive. SSH Tectia provided a lower TCO (Total Cost of Ownership) and significant cost savings to the company with a high return on investment.

**THE REQUIREMENTS**

The decision to standardize the company's worldwide security program with the SSH Tectia solution was based on a number of factors:

**> Robust Enterprise Security**

Strong encryption and support for several authentication technologies ensures the security and integrity of sensitive financial information and mission-critical data throughout the enterprise.

**> Easy Integration**

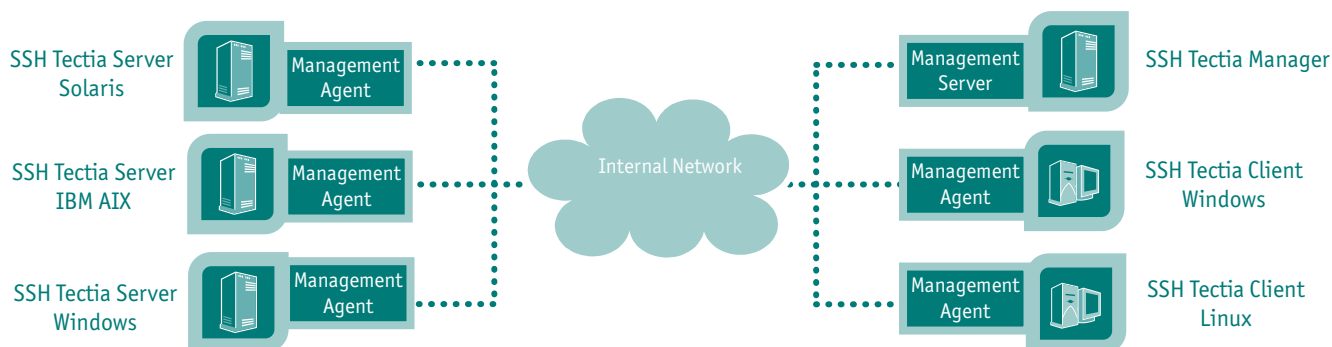
The SSH Tectia solution requires NO modifications to the existing infrastructure or applications. It is ideal for legacy applications found in most financial institutions.

**> Centralized Management**

Robust management for easy configuration, deployment, maintenance and auditing to ease the burden on IT resources and to enable real-time updating of new security policies.

**> Multi-platform support**

Support for Unix, Linux, Windows, IBM AIX and mainframe. SSH Tectia has the largest multi-platform support for demanding heterogeneous environments.



**THE BOTTOM LINE**

The implementation of SSH Tectia has helped the company overcome the limitations of OpenSSH by providing a robust, standards-based solution with world-class support. Securing data in transit end to end throughout its diverse multi-platform enterprise environment was a critical factor for maintaining regulatory compliance, and internal and external auditing. In addition, SSH Tectia Manager has simplified the process of deploying and managing the company's diverse mix of 15,000+ servers and tens of thousands of users spread across the globe.

With SSH Tectia, the company management can be confident that the sensitive data entrusted to them by the company's millions of customers, business partners and shareholders is truly safe.

For more information, please visit [www.ssh.com](http://www.ssh.com)

**FINLAND**

Valimotie 17  
FI-00380 Helsinki  
Tel: +358 20 500 7000  
Fax: +358 20 500 7001  
sales.fi@ssh.com  
[www.ssh.com](http://www.ssh.com)

**USA**

20 William Street G35  
Wellesley, MA 02481  
Tel: +1 781 247 2100  
Fax: +1 781 431 0864  
sales.americas@ssh.com  
[www.ssh.com](http://www.ssh.com)

**UNITED KINGDOM**

SoanePoint, 6-8 Market Place  
Reading, Berkshire  
RG1 2EG  
Tel.: +44 (0) 1189 255 580  
Fax: +44 (0) 1189 255 586  
sales.uk@ssh.com  
[www.ssh.com](http://www.ssh.com)

**GERMANY**

Lintorfer Str. 7  
De-40878 Ratingen  
Tel: +49 2102 30979 0  
Fax: +49 2102 30979 20  
sales.de@ssh.com  
[www.de.ssh.com](http://www.de.ssh.com)

**JAPAN**

sales.jp@ssh.com  
[www.ssh.com/jp/](http://www.ssh.com/jp/)



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