Canadian Center for Child Protection & PowerShell Server Case Study

THE CHALLENGE

> Securely connect to existing infrastructure via SSH client

> Deliver secure connection to meet a quick timeline

> Meet strict security requirements including Drummond eBusinessReady™ Certification, EDIINT-compliance, X.509 certificates, PKI support, SSL security, & S/MIME encryption.

THE SOLUTION

> PowerShell Server provides remote management of Linux infrastructure through SSH

> Solution serves as an elegant, liwghtweightand secure remoting alternative to WinRM.

THE RESULT

> Quick implementation of PowerShell Server within 1 week

> Easy-to-use solution enables worry-free, secure management via SSH

PowerShell Server is used by enterprises both large and small around the world to enable IT professionals to securely manage remote Windows machines through a lightweight, easy-to-use PowerShell command line interface. A full-featured SSH 2.0 server, PowerShell Server provides a secure remote entry point to a Windows PowerShell Host. This gives administrators the functionality to securely manage Windows from any standard SSH client, including: PuTTY, iPhone, Linux/Unix machines, and many more.

With time-critical deadline to meet, the Canadian Centre for Child Protection turned to PowerShell Server to provide them with a proven, secure way to manage their Windows Servers over SSH from their existing Linux infrastructure.

The Canadian Centre for Child Protection is a non-profit, charitable organization dedicated to the personal safety of all children. Their goal is to reduce child victimization by providing programs and services to the Canadian public. With such a noble goal and limited resources dedicated to the IT side of their organization, PowerShell Server was a perfect fit for rapid implementation.

The Canadian Centre for Child Protection came to /n software with a simple, yet crucial need: management of their Windows Servers from their existing Linux infrastructure over SSH.

The Canadian Centre for Child Protection used the SSHRunspace cmdlet to connect to PowerShell Server. This XML serialized the objects in the remote shell and returned them through a secure SSH connection. On the client side, SSHRunspace transparently deserialized to PSObjects with corresponding fields matching the remote objects. The returned objects were then pipelined, evaluated, and stored as any other PSObject.

With the PowerShell Server at their disposal, the child protection organization was able to rapidly implement the secure management solution. From the initial planning to implementation, the entire project was up-and-running within one week.

"While we initially went with PowerShell Server to manage our Windows servers, we have been really impressed with the other features," Richardson said. "In the future we plan to expand our usage and deploy the solution to all the Windows platform a servers within our organization."

About The Canadian Centre for Child Protection

The center is a non-profit, charitable organization dedicated to the personal safety of all children. Their goal is to reduce child victimization by providing programs and services to the Canadian public. For more information about The Canadian Centre for Child Protection, visit their website at www.protectchildren.ca

About /n software

/n software inc. (www.nsoftware.com), is a leading provider of software components for communications, security, and e-business. Founded in 1994, /n software (pronounced 'n software') is based in Research Triangle Park, North Carolina.

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