



## Veeam FastSCP

# The industry standard for ESX file management

### Three reasons to use Veeam FastSCP

- **It's fast:** Veeam FastSCP can copy files more than six times faster than SCP, as it uses full network capacity. This saves a huge amount of time when dealing with large files.
- **It's secure:** Veeam FastSCP doesn't require installing any additional services (daemons) on ESX. It uses SSH as a control channel to generate a one-time username and password for each file transfer session.
- **It's easy to use:** Veeam FastSCP doesn't require any ESX re-configuration. It has a Windows Explorer-like user interface familiar to any Windows user. Just run it on your Windows machine and start copying!

Veeam FastSCP™ is the de facto standard for ESX file management, with more than 150,000 downloads. FastSCP allows users to copy files from ESX to Windows, Windows to ESX or ESX to ESX. FastSCP is the simplest and fastest way to deliver ISO files to ESX Servers or copy VMs and templates between ESX Servers. FastSCP ensures security by using a one-time password feature and works more than six times faster than SCP.

### Traditional file transfer in ESX

Managing files in an ESX environment can be a major challenge, even for experienced users. When you need to copy an ISO file to ESX Server, or make a backup copy of an existing VM, the fastest transfer method would be FTP, but ESX 3 does not offer this capability. What is more important, installing an FTP server on ESX (or all administrators' machines) to deliver a file would present a major security risk, because FTP transfers passwords in clear text.

This leaves SCP as the only recommended way to perform file copy from a Windows machine to ESX or visa versa, or from ESX to ESX. This approach brings with it a serious drawback, however, since SSH carries out numerous encoding and decoding operations on data, thus consuming precious CPU time and impacting server performance. In addition, SSH does not offer data compression, so file transfer can be time consuming.

### File transfer with FastSCP

FastSCP effectively solves the problem of data transfer, and is available at no charge from the virtualization management experts at Veeam Software.

### Fast file transfer

FastSCP can transfer files more than six times faster than SCP, as it uses full network capacity and compresses the data. This saves you a huge amount of time when dealing with large files.

### Security

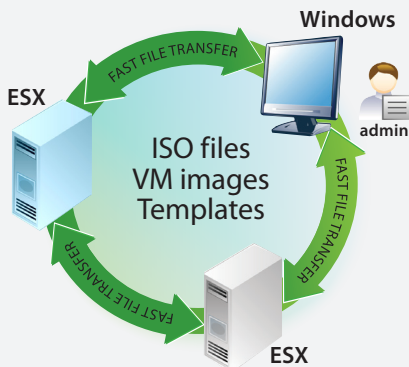
FastSCP uses SSH control channels to generate a one-time username and password for each file transfer session. It doesn't require installing any additional services on ESX or any other server reconfiguration.

### Multi-ESX management

FastSCP allows a user to work with multiple ESX Servers at the same time. All servers are displayed in the Windows Explorer-like user interface. Using the native Windows security API, FastSCP securely stores all ESX connection information, allowing for single sign-on. This means that a user can switch between servers without needing to re-enter login/password or specify the server's IP address.

To learn more, visit: [www.veeam.com](http://www.veeam.com)

FastSCP provides a fast, secure and easy way to manage files and bulk copy VMs across your VMware ESX environment.



*Veeam FastSCP effectively solves the problem of data transfer. It works more than six times faster than SCP without affecting ESX security.*

### System Requirements

#### ESX requirements:

VMware ESX (i) Server 3.x or higher

#### Administrator machine requirements:

Windows Server 2003,  
Windows XP Service Pack 2,  
Windows 7, Windows Server 2008 R2,  
Microsoft .NET Framework 2.0 or later

*FastSCP provides a fast, secure and easy way to manage files and bulk copy VMs across your VMware ESX environment.*

## ESX to ESX direct copy

FastSCP allows a user to copy files directly between ESX Servers and within one ESX Server. Copying is fast and secure, and doesn't require any configuration or setup. FastSCP supports both intra- and inter-server copy scenarios.

- Inter-server copy: Copy files directly from ESX to ESX. Files are copied directly from one ESX to another, avoiding the client PC. To allow this, FastSCP sets up a direct data connection between ESX Servers.
- Intra-server copy: Copy files within ESX. FastSCP's Windows Explorer-like interface allows a user to copy/move files without downloading them to the client PC or logging into ESX with SSH client.

## Complete file management and Windows integration

FastSCP allows you to work with ESX's files and folders similar to the way you work in Windows. You can browse, copy, and edit files and file attributes with a familiar interface, whether you're copying files to ESX or to a desktop.

## Disk space preallocation

When copying virtual machines, FastSCP preallocates disk space for VMDK files to prevent fragmentation.

## Ability to edit file attributes

FastSCP shows file and folder properties, allowing users to set owner, group and permissions (the most common CHMOD commands) in a Windows GUI.

## Windows and Linux support

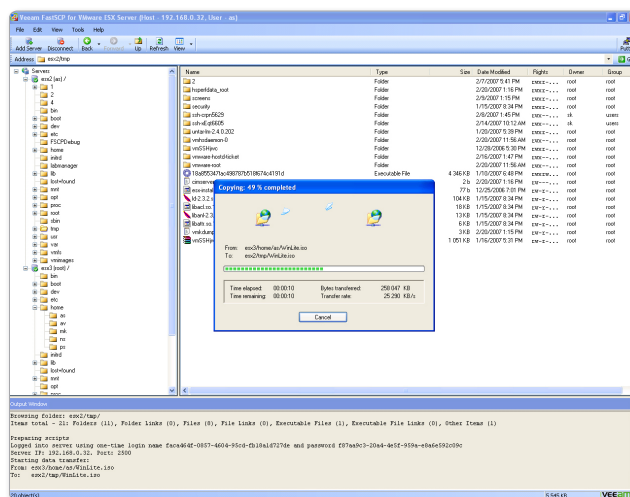
Now users can manage all files in mixed Windows/Linux enterprises.

## Integration with Veeam Backup & Replication

FastSCP is available standalone and as part of Veeam Backup & Replication, the #1 tool for VMware data protection. Veeam Backup provides backup, near-continuous data protection (CDP), and advanced file management in a single, cohesive, easy-to-use tool. Its functionality is available to FastSCP users upon installation of a license file—no additional software download is necessary.

## Scheduled copy

You can schedule copy jobs to do VM migrations overnight or to regularly back up ESX configuration files.



To learn more, visit: [www.veeam.com](http://www.veeam.com)

