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SourceForge**
Project Summary

Project Admin

Software

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FTP, TELNET, and RSH/RLOGIN: Historical Protocols

The FTP protocol has been around for a fairly long time, by Internet standards, and has become a popular means to transfer files between Internet hosts. The TELNET and RSH/RLOGIN protocols have also been around for a fairly long time, both permitting remote, interactive logins to Internet hosts.

As the Internet grew and the means to sniff network traffic became more widely available, it became clear that the FTP, TELNET and RSH/RLOGIN protocols all had some shortcomings. Each of these protocols sends the user's password, as well as all data, in the clear over the network wire. This leaves that data traffic in the open and succeptible to interception by third parties.

SSH (Secure SHell) and SCP (Secure CoPy)

The SSH (Secure SHell) protocol was designed to replace the TELNET and RSH/RLOGIN protocols. SSH permits you to interactively login to a host on the Internet over an encrypted data connection. There are essentially two modern forms of SSH; the SSH1.5 protocol (which uses RSA keys) and the SSH2 protocol (which uses DSA). Both SSH1.5 and SSH2 are supported by SourceForge hosts.

Along with SSH came SCP (Secure CoPy), a means to copy files to and from a host over a SSH-protected connection. SCP, while not a direct replacement for FTP, does allow you to transmit files to SourceForge hosts securely.

SourceForge hosts securely.

More recently, a FTP-style application, SFTP, has been designed to run through a SSH-protected connection. SFTP's interface directly matches that of normal command-line FTP clients, so should be a fairly easy transition for those who have used FTP in the past. Not all SSH suites currently support SFTP, though support is growing. The SourceForge shell servers do support SFTP.

Connecting to SourceForge shell servers

SourceForge provides shell services using a set of project shell servers, shell.sourceforge.net. Access to the SourceForge shell servers is granted automatically to all SourceForge users who are actively participating in a project hosted on SourceForge.

The SourceForge shell servers supports both SSH interactive logins, and allows you to copy files to it using the SCP protocol. Due to the security limitations of TELNET, RLOGIN/RSH, and FTP, those protocols are not supported for use by SourceForge developers. Should you need to sign in to the SourceForge shell server, you *MUST* use SSH. Should you need to transfer files to the SourceForge shell server, you *MUST* use SCP.

Recommended Software

SSH suites are available for all OS platforms which have been released in the last five years. The software products listed in this document are by no means the *only* SSH suites available, however these products are free (as in speech) and Open Source; all have been used extensively with the SourceForge hosts and are known to work. Linux users may typically obtain OpenSSH from their Linux distribution vendor. Users of 32-bit MS Windows platforms should look at PuTTY. MacOS users may use the MacSSH suite.

Common Questions

Question: I can FTP to my project server. Why isn't my login accepted?

Answer: FTP is an insecure protocol. Your SourceForge sign-in **will not work** on the project servers. You must use SCP to upload files to the project servers. If you have tried to use your password on the project FTP servers, you should probably change your password now to ensure that it was not captured by anyone (FTP sends passwords in the clear).

Question: I can login to my project server via anonymous FTP. Why can't I upload files this way?

Answer: Anonymous project FTP services are read-only. Anonymous FTP is not secure; we do not permit anonymous users to upload to the project servers. If you wish to upload files, you must use SCP.

Question: I can't seem to log in to my account on the SourceForge shell servers. What should I do next?

Answer: There are a number of possible things which could prevent you from logging in to your SourceForge account. First, try again and make sure you entered your password correctly. Second, check the SourceForge site status page to make sure there are no known problems with the SourceForge project shell servers at this time.

If you have not yet joined an active project on SourceForge, you will not have access to the project shell servers. Only users who are actively working on Open Source projects hosted on SourceForge may use the shell server resources. If are working on an Open Source project and wish to register this project on SourceForge, you may do so here (non-SSL).

Should these previous diagnostic steps fail, please login and submit a Support Request (non-SSL). Within this support request, you should include your user ID, the name and version of your SSH client, and any error messages you have received.

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Freshmeat	http://www.freshmeat.net/
Slashdot.Org	http://www.slashdot.com/
Themes.Org	http://www.themes.org/
My OSDN	http://www.osdn.com/index.pl?indexpage=myosdn
PARTNERS	http://www.osdn.com/partner_programs.shtml
AFFILIATES	http://www.osdn.com/gallery.pl?type=community
	http://www.osdn.com/
	http://sourceforge.net/
Logout	http://sourceforge.net/account/logout.php
Register New Project	http://sourceforge.net/register/
Account Maintenance	http://sourceforge.net/account/
Change My Theme	http://sourceforge.net/themes/
My Personal Page	http://sourceforge.net/my/
Bookmark Page	http://sourceforge.net/my/bookmark_add.php?bookmark_url=%2Fdocman%2Fdisplay_doc.php%3Fdocid%3D3602%26group_id%3D1&bookmark_title=Why+can%27t+I+use+TELNET+and+FTP+to+reach+SourceForge+hosts%3F
Project Summary	http://sourceforge.net/projects/alexandria/
Project Admin	http://sourceforge.net/project/admin/?group_id=1
Software Map	http://sourceforge.net/softwaremap/
New Releases	http://sourceforge.net/new/
Other Site Mirrors	http://sourceforge.net/mirrors/
Code Snippet Library	http://sourceforge.net/snippet/
Site Docs	http://sourceforge.net/docman/?group_id=1
Discussion Forums	http://sourceforge.net/forum/?group_id=1
Project Help Wanted	http://sourceforge.net/people/
Top Projects	http://sourceforge.net/top/

Site Status	http://sourceforge.net/docman/display_doc.php?docid=2352&group_id=1
Compile Farm	http://sourceforge.net/compilefarm/
Contact SourceForge	http://sourceforge.net/contact.php
About SourceForge	http://sourceforge.net/about.php
About Foundries	http://sourceforge.net/about_foundries.php
Linux Kernel	http://sourceforge.net/foundry/linuxkernel/
Linux Drivers	http://sourceforge.net/foundry/linuxdrivers/
3D	http://sourceforge.net/foundry/3d/
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Java	http://sourceforge.net/foundry/java/
Printing	http://sourceforge.net/foundry/printing/
Storage	http://sourceforge.net/foundry/storage/
Tracker	http://sourceforge.net/tracker/?group_id=1
Bugs	http://sourceforge.net/tracker/?group_id=1&atid=100001
Support	http://sourceforge.net/tracker/?group_id=1&atid=200001
Patches	http://sourceforge.net/tracker/?group_id=1&atid=300001
Lists	http://sourceforge.net/mail/?group_id=1
Tasks	http://sourceforge.net/pm/?group_id=1
Surveys	http://sourceforge.net/survey/?group_id=1
News	http://sourceforge.net/news/?group_id=1
Files	http://sourceforge.net/project/showfiles.php?group_id=1
Submit new documentation	http://sourceforge.net/docman/new.php?group_id=1
View Documentation	http://sourceforge.net/docman/index.php?group_id=1
Admin	http://sourceforge.net/docman/admin/index.php?group_id=1
OpenSSH	http://www.openssh.com/
PuTTY	http://www.chiark.greenend.org.uk/~sgtatham/putty/
MacSSH suite	http://sourceforge.net/projects/macssh
here	https://sourceforge.net/register/

Support Request	https://sourceforge.net/tracker/?func=add&group_id=1&atid=200001
non-SSL	http://sourceforge.net/tracker/?func=add&group_id=1&atid=200001
Show Source	http://sourceforge.net/source.php?page_url=/docman/display_doc.php
SourceForge Terms of Service	http://sourceforge.net/tos/tos.php
SourceForge Privacy Policy	http://sourceforge.net/tos/privacy.php