

Bloomberg SFTP Connectivity – Host Keys

you know that this individual is the person who should be receiving this package? You would naturally ask to see some kind of proof of their identity.

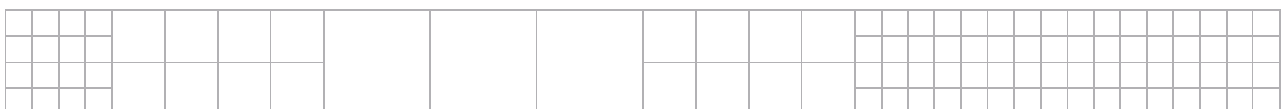
When a network connection is established for the first time between two computers, they face the exact same dilemma. How does the client computer know that the server it is connecting to is indeed the intended destination? With this analogy in mind, the SSH host key is the server's identity.

Trusted third party

To continue the package delivery analogy in the previous section, suppose you asked the individual waiting at the door to present proof of their identity, what kind of documentation would you accept as valid? Most likely it would be something issued by the Government or other trusted institution. That institution is the *trusted third party* in this real-life example.

However, in the SSH Protocol, there is no such trusted third party used to verify the identity of the server, and when establishing a new connection, the client must know in advance what identification information will be accepted – in the case of SSH, this is the server's host key fingerprint.

As there must be an information exchange through some other media (e-mail, telephone) regarding usernames and credentials between a client-party and server-party as part of a setup, it is expected that the host key fingerprint information also be exchanged in advance as well.



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Americas Internet (Beta)

Format	Size	Fingerprint
RSA1	2048	N/A
RSA	2048	ae:42:32:41:26:5e:f2:95:e6:32:c2:64:6b:a6:75:0a
DSA	1024	c7:17:e8:22:2d:d3:d2:60:b4:10:ab:34:32:f7:4d:9c
ECDSA	256	N/A

Americas BVAULT

Format	Size	Fingerprint
RSA1	2048	1f:84:ea:08:1a:c3:92:30:6e:98:a7:5b:04:c2:69:5e
RSA	2048	df:8c:ea:8f:3b:10:ff:ad:f6:30:63:13:83:ea:16:8c
DSA	1024	32:e5:bd:40:54:12:59:c0:59:72:c0:63:f4:45:66:cb
ECDSA	256	N/A

Americas Private/Leased Line (General Use)

Format	Size	Fingerprint
RSA1	2048	27:44:9d:87:88:5a:5c:13:50:f2:2a:58:f8:60:e1:e3
RSA	2048	24:95:29:5c:50:73:49:f5:ba:cb:57:02:8c:78:36:54
DSA	1024	20:81:f1:21:02:54:75:95:de:3d:a3:ab:3a:71:07:57
ECDSA	256	N/A



