secure ftp system IP and Protocol Diagram

SFTP im TCP/IP-Protokollstapel:

Anwendung	**SFTP**			
	SSH			
Transport	TCP			
Internet	IP (IPv4, IPv6)			
Netzzugang	Ethernet	Token Bus	Token Ring	FDDI

SFTP – SSH File Transfer Protocol – usually runs over TCP port 22

FTP – plain, old file transfer protocol – usually runns over TCP port 21 (+ opens separate ports for data transfer)

FTP/SSL – FTP over TSL/SSL channel.

FTPS – same as FTP/SSL

Secure FTP – either SFTP or FTPS

More info:

FTP	FTP/SSL	SFTP
FTP **FTP classic** • Plain FTP • Clear-text password sent over the network • Typically runs over TCP port 21 • Defined by RFC 959 and 1123 • Implemented in FTP/SSL component	**FTP/SSL** **FTP over TLS/SSL** • Often called 'FTPS' • Often called 'Secure FTP' • Plain FTP over TLS/SSL channel • Password is encrypted • Transfer is encrypted • Typically runs over TCP port 21 or 990 • Defined by RFC 959, 1123, 4217 and 2228 • Implemented in FTP/SSL component	**SFTP** **SSH File Transfer Protocol** • SSH File Transfer Protocol • Has nothing common with original FTP • Often called 'Secure FTP' • Password is encrypted • Transfer is encrypted • Typically runs over TCP port 22 • RFC not yet finished • Implemented in SFTP component