

tunneling for dynamic ports

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I would like to know how a typical client-server traffic could be made secure using the SSH tunneling technique. Here is the client-server model that I have:

1. Client <client_ipaddress, client_dynamic_port> sends a "connect" message to the well-known port of the server <server_ipaddress, well_known_server_port>.
2. Server forks a child process and the connection is established between the child process <server_ipaddress, server_dynamic_port> and the client <client_ipaddress, client_dynamic_port>.
3. The traffic will flow on the new connection between client and server.

I want to make the initial connection request traffic going from various clients to the server as well as the actual client-to-server traffic to be made secure using SSH tunneling.

It would seem to me that the port-forwarding feature in SSH is suitable for static ports. For dynamic ports, is there a way I can use the port forwarding feature easily or is there any other feature in SSH that I could use.

I can think of a kludgy way of doing it:

When the process gets the dynamic port from the OS, it could execute the "ssh -L .." shell command from the program to specify the dynamic port to be forwarded.

It might work. I haven't tested it yet. But it just seems kludgy. Is there a better way of doing it?

Thanks in advance.

-Kishore.