

# User Identification Based on SSH Packets

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## Background

This form asks for your agreement to participate in a research project for SecureShell (SSH). Your participation involves using SSH over a monitored network to type sentences and run commands from the instructions listed below.

These tasks are estimated to take 5 minutes. Anything you type will be recorded for validation purposes. You are advised to not type any passwords or otherwise sensitive information into a terminal being used as part of this study.

The purpose of this study is to examine if the pattern of network traffic from SecureShell is unique to a user in a way that an outside party can identify them.

## Instructions For Participants

### Setup

Log onto the server using PUTTY or SSH in terminal

**Server IP-address:** 10.10.10.21

**Username:** user1

**Password:** user1

### Command line Commands

Follow these instructions and enter the commands in an SSH session:

1. **Write the sentence:** welcome42 , hit enter and pause for 5 seconds.
2. Repeat this 10 times before breaking for 1 minute.
3. Repeat the two previous steps 2 more times.
4. **Write the command:** history > /Termpaper/user1\_hist.txt
5. Exit the session

**Thank you for your participation!**