# README

### Todd Wintermute

## 2023-08-29

# Contents

1	sshmulti		1
	1.1	Info	1
		Overview	
	1.3	Screenshots	2
	1.4	Requirements	2
	1.5	TMUX defaults	2

### 1 sshmulti

### 1.1 Info

SSH into multiple devices from a single command, splitting the screen, and synchronize the keyboard input.

The devices are supplies at the command line separated by whitespace.

#### 1.2 Overview

Run sshmulti.py by supplying the command followed by a list of devices separated by whitespace. Shell expansion can be used.

For example, to run sshmulti.py from the current directory with devices named server1, server2, server3, and server4, and the username todd, run one of the following commands:

```
./sshmulti.py todd@server1 todd@server2 todd@server3 todd@server4

./sshmulti.py server1 server2 server3 server4 -l todd

./sshmulti.py todd@server{1..4}

./sshmulti.py server{1..4} -l todd
```

For a list of commands run sshmulti.py with the -h or --help options.

#### 1.3 Screenshots

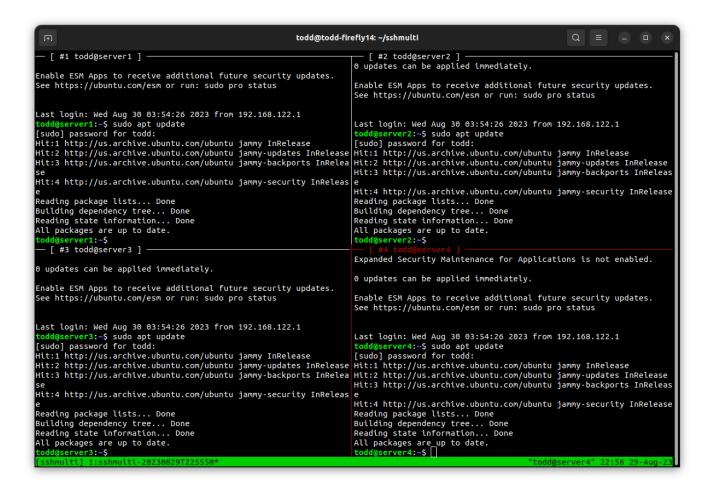


Figure 1: Logged into multiple devices and typing the same commands once

#### 1.4 Requirements

The following are requirements to run this script:

- python3
- ssh
- tmux

## 1.5 TMUX defaults

Here is my default .tmux.conf file for reference.

This script will automatically take care of setting the base-index and pane-base-index to 1.

It will not configure the default-terminal, history-limit, or mouse options.

```
# Improve colors
set -g default-terminal screen-256color
# Set scrollback buffer to 10000
set -g history-limit 10000
# Enable mouse mode (tmux 2.1 and above)
```

```
set -g mouse on
# Set first windows and pane to index of 1 (instead of zero)
set -g base-index 1
set -g pane-base-index 1
```