

Hacking the Home 2013

Brady Marks - furiousgreencloud@gmail.com - +1.604.727.1325 sms/vox - <http://furiousgreencloud.com/>

Simon Lyons - simon@makermobile.org - <http://makermobile.org/>

Command Line Cheat Sheet

Username/Login/Account: pi

Password: raspberry

Bash Command	Description	Example(s)
<i>Files and Folders</i>		
ls <folder> (mnemonic: list)	List of File in a Folder/Directory	<pre>ls ~ ls HackingTheHome2013 ls -la</pre>
mkdir <name> (mnemonic: make directory)	Make a new empty Folder/Directory	<pre>mkdir LittleBrotherSpyProject</pre>
cd <folder> (mnemonic: change directory)	Change Directory/Folder	<pre>cd ~ cd HackingTheHome2013 cd .. cd /var/log</pre>
mv <old_filename> <new_filename> mv <filename> <new folder> (mnemonic: move)	Rename or Move a file.	<pre>mv pushbutton.py pushbutton.py mv MailBox.py projects</pre>
cat <file> (mnemonic: catalogue , also concatenate)	Show the content of a File	<pre>cat /proc/cpuinfo cat button.py snd.py > soundplayer.py</pre>
nano <file>	Edit a File with the Nano Editor	<pre>nano LittleBrotherSpy.py</pre>
cp <existing_file> <new_file> (mnemonic: copy)	Copy a File	<pre>cp button.py soundplayer.py</pre>
sudo <command> (mnemonic: super user do)	Do a command as the Mega Powerful Super User	<pre>sudo python blink.py</pre>
<i>Connecting to PI</i>		
ifconfig	List Information about	<pre>ifconfig</pre>

(mnemonic: interface config)	network interfaces/ports	
screen <device> 115200	Connect to PI via serial port	<code>screen /dev/tty.PL2303-00001004 115200</code>
ssh <ip> -l <username> (mnemonic: secure shell)	Connect to PI via inter-networking	<code>ssh 10.10.2.13 -l pi</code>
VNC Viewer (this is not a Linux Command, but an App)	Graphical “Remote Desktop” to connect	VNC Server: 10.10.2.13 Password: raspberr
<i>Going Further</i>		
apt-get install remove <package>	Install/Remove a Linux Program or Module (Package)	<code>sudo apt-get install python sudo apt-get remove omxplayer</code>
git	Source Code Collaboration Tool used to Get Class Projects	<code>git clone https://github.com/furiousgreenclo ud/ HackingTheHome2013.git git pull</code>

Taking the Sting out of Bash

bash is the program called a “shell” that takes your commands to the Linux OS to make them happen. Bash has 3 nice ways to make this easier:

1. **Command Line Completion:** If you press the **<tab>** key, bash will try guess what you are trying to write like google does for searches.
 2. **Previous Command:** **<up arrow>** will bring up the last thing you typed.
 3. **Reverse History Search:** **<control-R>** will look for something similar you’ve typed before (more control-Rs for more results, **<control-G>** to **Give up**).
-