Linux Cheat Sheet

by shribee (shribee) via cheatography.com/79125/cs/19217/

Useful commands

lsb_release -a	get current version of os
service <name of service> start/stop/rest-art/status	self explanatory

Initial configuration

sudo apt-get update

sudo apt-get install git

sudo apt install net-tools

sudo apt install vim

Setup ssh

sudo apt update	(server) update package repository
sudo apt install openssh-server	(server) install ssh
sudo systemctl status ssh	(server) check status of service
sudo ufw allow ssh	(server) enable firewall
sudo systemctl enable ssh	(server) start ssh upon boot
ssh-keygen	(client) create key pair
ssh-copy-id username@remote_host	(linux) copy public key
ssh <user>@<ip> mkdir -p /.ssh sudo nano /.ssh/authorized_keys <copy content of .pub file>	(windows) copy public key
sudo chown -R <user>:<user> ~/.ssh/authorized_keys	set ownership of key file
chmod 700 /home/*username*/.ssh chmod 600 ~/.ssh/authorized_keys	(server) set permissions
ssh <user>@<ip> -i <full path of private key>	(client) connect
open C:\Users\<username>\.ssh\config add entry for ip address	(windows) add entry into ssh config

Setup xRDP

sudo apt-get install xfce4

sudo apt-get install xrdp

sudo systemctl enable xrdp

echo xfce4-session >~/.xsession

sudo service xrdp restart

Setup xRDP (cont)

sudo passwd rdpuser

Setup redis

sudo apt install redis-server	install
sudo nano /etc/redis/redis.conf	change to supervised systemd
sudo systemctl restart redis.service	
sudo systemctl enable /lib/systemd/system/redis-server.service	

History Operations

~/.bash_history	contains history even after reboot
!v	run last command that starts with v
!$	last argument
!?etc	last command contains etc
history	show command history
cd .	change to home dir
!30	run command at line number 30 from history
ctrl-r	search commands, esc or enter to edit or run
HISTCONTROL=erasedups	erase duplicate commands from history
history -c + history -w	clear history
history -r	whenever you last wrote

Shutdown

shutdown	shutdown
reboot	reboot
poweroff	same as shutdown
halt	same as shutdown
init 0	same as shutdown
init 6	same as shutdown
shutdown -r +n "warning"	reboot in n minutes, display warning
shutdown -r now	reboot now
shutdown -c	cancel a pending shutdown
shutdown -h	shutdown and then halt
shutdown hh:mm	shutdown at specified time

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