







### tmux

Action Key (  )	Ctrl-B
See Active Sessions	tmux ls
Attach Session	tmux a (-t <session id>)
Split View (H or V)	 + % or "
Paste	 + ]
Move to tmux	Ctrl-Z, bg, jobs -l, disown XXX, tmux, reptyr -L XXX
Close pane	Ctrl-D
name session	 + \$
Zoom	 + z.
Synchronize panel input	 + a

### vi / neoVim

Goto line 5	5G or 5gg
Delete line	dd

### OpenSuse

install	sudo zypper in <package>
install other	opi <package>
software	htop, tmux, neovim, solaar, vs code, lucmos/UltrawideWindows prox sys bbr for better downloads
Window manager	Ctrl-Win+numpad -> 25/50/25

### Open Build Server

checkout	osc co NAME:OF:DEV-TICKET
build	cd NAME:OF:DEV-TICKET/building/; osc build Debian_11

### BondingAdmin

enter	mdep nsenter ba
set user	su - bondingadmin
set env	./var/lib/bondingadmin/environment/bin/activate
test	cd /bi/bondingadmin/django/ && ./manage.py test --parallel=15
test with new DB	./manage.py test --parallel 15 --recreate-db
use local	./manage.py runserver 0.0.0.0:8000 2> >(grep MIKEM)
url local	https://ba.mike.hfx.multipplied.net:8000
build	./build.sh build -j17 && ./build.sh install && bondingadmin-setup ; systemctl restart bondingadmin

### Bonding

enter	mdep nsenter bond1
test	make test
build	make restart
add-in-terface	mdep add-bridge-interface bond1 br0 leg2
repo	deb http://mirror.multipplied.net/debian buster main contrib non-free

### QA

build (/bi/estrada)	qa build-image app:bonding:-opensuse:tumbleweed
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### mdep

create agg	mdep create agg2 image=dist:debian:bullseye; mdep start agg2; mdep nsenter agg2; go to web ba, spaces -> node setup
resize image	mdep resize agg2 8G

### git

git commit -m "First release of Hello World!"	
git cherry -v destination_branch source_branch	
git cherry-pick commit_id	
git log --name-status HEAD^..HEAD	
exec ssh-agent bash && ssh-add	

### Command Line Tidbits

find text in files	grep -r text_to_find *
firefox detach tab	ctrl-L, Win-Shift-Enter
journalctl -time	journalctl --since "1 hour ago"
journalctl -unit	journalctl -u nginx.service
journalctl -other	-r (reverse) -n (number) -f (follow)

### Network Analysis

Packets Per Second	bwm-ng --unit packets
Show TCP Pkts	tcpdump -ni host0 port 2001
list routing rules	ip rule list



### Network Analysis (cont)

list table ip route show table XXX  
from  
routing  
rule

modify **nft list ruleset > rules.nft**; edit  
NFT rules rules.nft (add **flush ruleset**; as  
first line, add counters);  
import: **nft -f rules.nft**

list all iptables -t nat -L -n -v  
routing  
IPT

list all nft list ruleset  
routing  
NFT

add nft insert rule inet filter input  
routing ip6 saddr \$IP\_ADDR drop  
NFT

list routing nft -a list chain inet filter input  
NFT

del nft delete rule inet filter input  
routing handle 59  
NFT

host /bi/estrada/qa/bin/test-web-  
webserver server 8080

fetch curl 172.30.0.1:8080/uncom-  
webserver pressible?size=120000000 -o  
/dev/null

ping flood sudo ping -f 172.30.0.0

renew ip dhclient (or dhclient -R)  
address

nft tracing add trace to rule **meta mark eq**  
**0xf0 meta nfttrace set 1**; then  
watch in console **nft monitor**  
**trace**



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