

VMs EC2 Cheatsheet

Connection

ssh -i <key.pem> username@public_ip
Connect to EC2 instance via SSH

**ssh -i <key.pem> -L
local_port:target_host:target_port
username@public_ip**
SSH with port forwarding

**scp -i <key.pem> file username@public_ip:/path/to/
destination**
Copy file to EC2 instance

**scp -i <key.pem> username@public_ip:/path/to/file
./local_path**
Copy file from EC2 instance

System Info

uname -a
Display kernel and system information

cat /etc/os-release
Display OS version information

lsb_release -a
Display Linux distribution information

hostname
Show system hostname

Resources

top
Display dynamic real-time system stats

htop
Interactive process viewer (needs installation)

free -h
Show memory usage in human-readable format

df -h
Display disk space usage in human-readable format

du -sh /path
Show directory size

vmstat
Report virtual memory statistics

CPU

mpstat
Display CPU usage per processor

uptime
Show load average

cat /proc/cpuinfo
Show CPU information

lscpu
Display CPU architecture information

Memory

cat /proc/meminfo
Show detailed memory information

vmstat -s
Show memory statistics

swapon --show
Show swap usage

pmap <pid>
Show memory map of process

Disk

iostat
Report CPU and disk I/O statistics

iotop
Monitor disk I/O usage by processes (needs
installation)

lsblk
List block devices

fdisk -l
Display disk partitions

Logs

journalctl
Query systemd journal

cat /var/log/syslog
View system log (Debian/Ubuntu)

cat /var/log/messages
View system log (RHEL/CentOS)

dmesg
Display kernel messages

last
Show last logged in users

Network

ifconfig
Display network interfaces

ip addr
Display IP addresses and network interfaces

netstat -tln
Show listening ports

ss -tln
Display network connections (alternative to netstat)

ping host
Test connectivity to host

traceroute host
Trace route to host

nslookup domain
Query DNS for domain

Process

ps aux
List all running processes

pgrep <pattern>
Find process IDs by pattern

pidof <name>
Find process ID by name

kill <pid>
Terminate process by ID

killall <name>
Terminate processes by name

AWS Specific

aws ec2 describe-instances
List EC2 instances (AWS CLI)

aws ec2 describe-instance-status
Check EC2 instance status (AWS CLI)

aws cloudwatch get-metric-statistics
Retrieve CloudWatch metrics (AWS CLI)