Multipass

Ubuntu VMs on demand

CONCEPTS

Multipass runs Ubuntu VMs on your host. Launch, use and throw them away in seconds.

Image Ubuntu release
↓ launch
Running instance
↓ stop
Stopped snapshots here
↓ delete
Deleted recoverable
↓ purge
Gone disk freed

Deleted instances are only hidden until you purge them; recover brings them back.

CREATE AND INSPECT

`multipass launch [<image>] --name <name>`
Create and start an instance

`multipass launch --cpus <n> --memory <size> --disk <size>`
Set the VM resources

`multipass images`
List available images

`multipass list`
List instances and their IPs

`multipass info <name>`
Show details of an instance

`multipass list --format json`
Machine-readable list

`multipass launch --cloud-init <file>`
Configure at first boot

`multipass launch --mount <host-dir>:<vm-dir>`
Mount a folder at launch

`multipass clone <name> --name <new>`
Copy a stopped instance

ACCESS

`multipass shell [<name>]`
Open a shell in the instance

ACCESS (cont.)

`multipass exec <name> -- <cmd>`
Run a command in the instance

`multipass exec <name> --working-directory <dir> -- <cmd>`
Run in a given directory

LIFECYCLE

`multipass stop <name>`
Stop an instance

`multipass start <name>`
Start a stopped instance

`multipass restart <name>`
Restart an instance

`multipass suspend <name>`
Suspend, keeping memory state

`multipass stop --all`
Stop every instance

`multipass delete <name>`
Delete (recoverable)

`multipass recover <name>`
Bring back a deleted instance

`multipass purge`
Permanently remove deleted instances

`multipass delete --purge <name>`
Delete and purge at once

FILES

`multipass transfer <file> <name>:<path>`
Copy host file to instance

`multipass transfer <name>:<path> <dest>`
Copy instance file to host

`multipass mount <host-dir> <name>:<vm-dir>`
Share a host folder

`multipass unmount <name>[:<path>]`
Remove a mount

SNAPSHOTS

`multipass snapshot <name> --name <snap>`
Snapshot a stopped instance

`multipass restore <name>.<snap>`
Roll back to a snapshot