

MKG Cheatsheet

Running MKG in containers

# mkg dockerize	Running a container for Plasma.
\$ git checkout gnome # mkg dockerize gentoo.iso	Running a container for Gnome.
# docker exec -it ID bash cont# tail -f nohup.out or: grep -E '\[\w{3}\]' /var/log/syslog	Check job log Host log search. Also echoes container logs. Use <code>syslog.x</code> for older logs.
# docker cp ID:/mkg/gentoo.iso .	Fetch back MKG installer from container.

Running MKG with custom options

# mkg use_mkg_workflow=false [...]	Do not use preprocessed live install CD from Github Actions workflow. You may use: ncpus=X, bios, cflags, clonezilla_install debug_mode, elist, emirrors, kernel_config minimal, minimal_size, ncpus, nonroot_user passwd, processor, rootpasswd, stage3 vm_language. Main options: minimal: just build a minimal desktop. cflags=[...,...,...]: CFLAGS options in list form. vm_language=...: set platform language if non US-English (<code>fr</code> , <code>de</code> , etc.)
# mkg use_clonezilla_workflow=false [...]	Do not use preprocessed cclonezilla live CD from Github Actions workflow. Rebuild this CD again incorporating VirtualBox from current Ubuntu repositories.

Reusing artifacts previously downloaded

\$ mkg custom_clonezilla=file [...]	Use this file as CloneZilla live CD.
\$ mkg download_clonezilla=false [...]	Use cached CloneZilla live CD from prior downloads.
\$ mkg download_arch=false [...]	Use cached stage3 archive from prior downloads.
\$ mkg download=false [...]	Use cached Gentoo minimal install CD from prior downloads.

Input/Output and Backup options

\$ mkg [...] burn	Burn Gentoo installer to DVD when processed.
# mkg [...] hot_install ext_device=sdX	Install Gentoo onto partition <code>/dev/sdX</code> after completion of VM processes.

Input/Output and Backup options

# mkg from_device ext_device=sdX \ gentoo.iso	Backup partition /dev/sdX into a CloneZilla installer gentoo.iso
# mkg [...] from_iso gentoo.iso burn	Burn gentoo.iso to disk.
# mkg [...] from_iso gentoo.iso \ device_installer ext_device=sdX	Create USB stick or any block device installer from gentoo.iso
# mkg [...] from_vm vm=... \ gentoo.iso	Create CloneZilla installer image from VM (after VM completed processes and stopped.)
# mkg [...] from_vm vm=... \ hot_install ext_device=sdX	Directly install Gentoo to partition /dev/sdX from VM (after VM completed processes and stopped.)

Graphic display and Interaction

\$ mkg [...] gui=false	Do not display VirtualBox guest in GUI.
\$ mkg [...] interactive=false	Do not interact with user. To be used in scripts and containers, with caution.
\$ mkg [...] email=...@... \ email_passwd=...	Send a meesage to email address with given user password upon completion. Not to be used in public networks.
