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 `syslog.x` 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 (`fr`, `de`, 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 **/dev/sdX**.

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 \` `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.