

- X11 [YES/NO] – Optional, defaults to NO. If YES, the container mounts the TCP socket used by the hosts X11 server, enabling the container to run applications with GUIs, e.g., browsers or Wireshark. See `sql-inject` as an example. See the Notes section (14) at the end of this manual for tips on using Firefox and Wireshark.
- CLONE [quantity] – optional quantity of copies of this container to create. Each copy is assigned a monotonically increasing integer starting with one, and this value can be used for the network address as describe above, and within parameterization as described in section 5. This option is not intended for use in creating multi-user labs.
- NO_PULL [YES/NO] – Use a local instance of the container image rather than pulling it from the Docker hub.
- LAB_GATEWAY – Optional IP address of the component’s default network gateway. If set, this will replace the default Docker gateway. Students can toggle between gateways by using the `togglegw.sh` command, e.g., to enable communication with the host VM or the internet⁸. This option will also replace the components `resolv.conf` with the given IP and will cause the static route to the `my_host` address to be deleted.
- NO_GW [YES/NO] – Disable the Docker default gateway, preventing network communication with the host or external devices.
- REGISTRY [registry] – The id of the Docker Hub registry that is to contain the lab images. This overrides the value set in the GLOBAL section.
- BASE_REGISTRY [base_registry] – The id of the Docker Hub registry that contains the base image for the container. This defaults to the default registry per the `labtainer.config` file.
- THUMB_VOLUME – Optional arguments to a mount command that will be executed in a GNS3 environment when the student selects `insert thumb drive` from a component menu. **NOTE:** Use of this option will cause the host `/dev` directory to be shared with the container. This allows the container to perform all kinds of mischief.
- THUMB_COMMAND – Optional command that will run prior mounting the THUMB volume defined above.
- THUMB_STOP – Optional command that will run when the container is stopped under GNS3.
- PUBLISH [publish] – Optional arguments to the Docker `--publish` argument for making container ports visible at the host interface. For example, a value of
`127.0.0.1:60022:22/tcp`
will bind host port 60022 to container port 22.
- HIDE [hide] – If YES, the associated node will be hidden in GNS3 environments when the `--student` option if
- NO_PRIVILEGE – If YES, the container runs without Docker privilege.
- MYSTUFF – if YES, the directory at `labtainerstudent/mystuff` is shared with the container in `/home/<user>/mystuff`. used.
- MOUNT [hostv:containerv] – Intended for use with licensed software installations, e.g., IDA Free, will cause a directory located at:

⁸This replaces use of the `set_default_gw.sh` script from within `fixlocal.sh` scripts