

- **TERMINALS** [quantity] – The number of virtual terminals to open and attach to this container when a lab starts. If missing, it defaults to 1. Terminal titles are set to the bash shell prompt. A value of 0 suppresses creation of a terminal, and a value of -1 prevents the student from attaching a terminal to the container.
- **TERMINAL\_GROUP** [name] – All virtual terminals within the same group are organized as tabs within a single virtual terminal. Terminal group names can be arbitrary strings.
- **XTERM** [title] [script] – The named script is executed in a virtual terminal with the given title. The system will change to the user’s home directory prior to executing the script. The script should be placed in container `_bin` directory, i.e.,

`$LABTAINER_DIR/labs/[labname]/[container]/_bin`

If the title is “INSTRUCTIONS”, no script is necessary and the `instructions.txt` file in the container home directory will be displayed.

- **USER** [user name] – The user name whose account will be accessed via the virtual terminals. This defaults to “ubuntu.”
- **PASSWORD** [password] – The password for the user name whose account will be accessed via the virtual terminals. This defaults to the user name defined above.
- **[network name]** [ip address] – Network address assignments for each network (defined via a **NETWORK** section), that is to be connected to this container. A separate line should be entered for each network. The given ip address can be one of the following:

- \* An IP address
- \* An IP address with an optional MAC address assignment as a suffix following a colon, e.g., `172.25.0.1:2:34:ac:19:0:2`.
- \* An IP address with an optional clone offset, e.g., `172.25.0.1+CLONE` to cause each clone to be assigned an address from a sequence starting with the given address. Only intended for use with containers having the **CLONE** option described below.
- \* Similar to the use of the **+CLONE** suffix, **CLONE\_MAC** only takes effect if the lab is started in multi-user mode. When started with the `--workstation` switch, this directs the system to generate a MAC address whose last four bytes match those of the host network interface. When stated as a multi-user lab with all containers on one VM, e.g., the `--client_count` switch, then the allocated IP address is incremented by one less than the clone instance number.
- \* If **AUTO** is provided as the address, an address is chosen for you from the subnet range.

Multiple IP addresses per network interface by appending a `:n` to the **network name**, e.g.,

```
MY_LAN:1 172.24.0.3
MY_LAN:2 172.24.0.4
```

- **SCRIPT** [script] – Optional script to provide to the Docker create command, defaults to “bash”. This must be set to “NONE” for CentOS-based components, Ubuntu systemd components, or other images that run a true Linux init process.).
- **ADD-HOST** [host:ip — network] – Optional addition to the `/etc/hosts` file, a container may have multiple **ADD-HOST** entries. If a network name is provided, then every component on that network will get an entry in the hosts file.