**26 - R710 Proxmox run host - add GUI, vscode extensions and other apps**

These notes cover adding GUI to Ubuntu server, adding vscode marketplace extensions and other useful apps, and additional setups:

This document builds upon the previous documents – specifically the section :

# Create a ‘run’ host VM:

In:

**17 - R710 Proxmox Ubuntu cloud-init image - Terraform - Ansible**

# Install GNOME Desktop(GUI) on Ubuntu 20.04 LTS:

1. On run3 host host, apply these commands:  
   **sudo apt update**

**sudo apt install Ubuntu-gnome-desktop -y**

**sudo tasksel install ubuntu-desktop**

1. Reboot run3 host and log into the GUI:

# ‘vscode’ – adding extensions:

1. Create a file called add-vscode-extensions.sh and make it executable, and in it put the following:   
   code --install-extension 42Crunch.vscode-openapi

code --install-extension alexkrechik.cucumberautocomplete

code --install-extension bierner.github-markdown-preview

code --install-extension bierner.markdown-checkbox

code --install-extension bierner.markdown-emoji

code --install-extension bierner.markdown-footnotes

code --install-extension bierner.markdown-mermaid

code --install-extension bierner.markdown-preview-github-styles

code --install-extension bierner.markdown-yaml-preamble

code --install-extension bpruitt-goddard.mermaid-markdown-syntax-highlighting

code --install-extension casualjim.gotemplate

code --install-extension cssho.vscode-svgviewer

code --install-extension danielroedl.meld-diff

code --install-extension DavidAnson.vscode-markdownlint

code --install-extension eamodio.gitlens

code --install-extension golang.go

code --install-extension GrapeCity.gc-excelviewer

code --install-extension hashicorp.terraform

code --install-extension joaompinto.vscode-graphviz

code --install-extension kirozen.wordcounter

code --install-extension mechatroner.rainbow-csv

code --install-extension ms-azuretools.vscode-docker

code --install-extension ms-dotnettools.csharp

code --install-extension ms-python.python

code --install-extension ms-python.vscode-pylance

code --install-extension ms-toolsai.jupyter

code --install-extension ms-toolsai.jupyter-keymap

code --install-extension ms-toolsai.jupyter-renderers

code --install-extension ms-vscode-remote.remote-containers

code --install-extension ms-vscode.cpptools

code --install-extension ms-vscode.hexeditor

code --install-extension naumovs.color-highlight

code --install-extension Pivotal.vscode-concourse

code --install-extension quillaja.goasm

code --install-extension redhat.java

code --install-extension redhat.vscode-commons

code --install-extension redhat.vscode-yaml

code --install-extension timonwong.shellcheck

code --install-extension tomoki1207.pdf

code --install-extension VisualStudioExptTeam.vscodeintellicode

code --install-extension vscjava.vscode-java-debug

code --install-extension vscjava.vscode-java-dependency

code --install-extension vscjava.vscode-java-pack

code --install-extension vscjava.vscode-java-test

code --install-extension vscjava.vscode-maven

code --install-extension vscode-icons-team.vscode-icons

code --install-extension wayou.vscode-todo-highlight

code --install-extension wholroyd.HCL

code --install-extension wholroyd.jinja

code --install-extension zxh404.vscode-proto3

1. Then run the new file:  
   **./add-vscode-extensions**
2. Just as a note, the above list might have been created with:  
   **code --list-extensions | xargs -L 1 echo code --install-extension**

# Other apps:

1. Run the following commands to add apps that are of use and also others to be used in future steps:  
   **sudo apt install ncdu**

**sudo apt-get install graphviz gv**

**sudo apt install iotop tree colordiff jsonlint ack**

**sudo apt install dconf-editor**

**sudo apt-get -y install meld  
sudo apt install konsole  
sudo apt install ruby-full**

1. To make Konsole the default terminal, from within a terminal, do:

**sudo update-alternatives --config x-terminal-emulator**

Select the desired terminal from the list of alternatives.

1. In the GUI, open terminal which should now be ‘bash - Konsole’ and in its settings set Scrolling/Scroll back to be 10000 lines
2. Edit ~/.bashrc and add (at the end) any of the following that is not already present from other steps:  
   **myssh\_agent () {**

**umask 077**

**local f=~/.ssh/spy kee=**

**if [[ ! -f $f ]]; then**

**ssh-agent -s | grep --color -v '^echo' > $f**

**fi**

**. $f**

**if [[ -z $SSH\_AGENT\_PID || -z "$(ps -p $SSH\_AGENT\_PID | grep ssh-agent)" ]]; then**

**\rm $f**

**myssh\_agent**

**else**

**if [[ -z "$(ssh-add -l | grep '^[0-9]')" ]]; then**

**ssh-add**

**fi**

**for kee in ~/.ssh/id\_rsa4k ~/.ssh/id\_rsa\_$myHOST; do**

**[[ -f $kee ]] || continue**

**local fing=$(ssh-keygen -l -f $kee | awk '{print $2}')**

**[[ -n $fing && -z "$(ssh-add -l | grep " $fing ")" ]] || continue**

**ssh-add $kee**

**done**

**fi**

**}**

**# Go Global variables**

**export GOROOT="/usr/local/go"**

**export GOPATH="$HOME/Go"**

**export PATH="$PATH:$GOPATH/bin:$GOROOT/bin"**

**alias on='cd ~/public/src/github.com/redhug1'**

**set +e**

**set +o posix  
  
complete -C /usr/bin/terraform terraform**

**complete -C /usr/bin/nomad nomad**

1. Ensure time zone is Europe/London.  
   Check with:  
   **timedatectl**  
     
   You might need to do:  
   **sudo dpkg-reconfigure tzdata**  
     
   and then run with:  
   **sudo dpkg-reconfigure tzdata**
2. Installing GitKraken, download a .deb install file and for example do:  
   **sudo dpkg -i GitKraken-v9.1.0.deb**
3. Nancy for go audit’ing:  
   **sudo wget -O /usr/local/bin/nancy "https://github.com/sonatype-nexus-community/nancy/releases/download/v1.0.42/nancy-v1.0.42-linux-amd64" && chmod 755 /usr/local/bin/nancy**  
     
   **sudo chown rhys:rhys /usr/local/bin/nancy**  
     
   **chmod 775 /usr/local/bin/nancy**
4. Apps for Ansible use with awscli commands:  
   **sudo apt install python3-pip**  
   **pip3 install boto3 botocore**
5. Add more here as need be