List of commands for creating the HomeControl application

Edit /boot/cmdline.txt:		

sudo nano /boot/cmdline.txt

Enable cgroups by adding "cgroup_memory=1 cgroup_enable=memory" at the end of that file(without the double quotes and in the same line). Here is an example of file content with the change highlighted:

console=serial0,115200 console=tty1 root=PARTUUID=2aaaa7b2-02 rootfstype=ext4 fsck.repair=yes rootwait quiet splash plymouth.ignore-serial-consoles cgroup_memory=1 cgroup_enable=memory

Save the file, then reboot:

sudo reboot

Install K3s(a lightweight Kubernetes for IoT) using the following command. The '--write-kubeconfig-mode=644' option lets you use K3s without sudo:

curl -sfL https://get.k3s.io | INSTALL_K3S_EXEC='--write-kubeconfig-mode=644' sh -

Wait for the installation to complete (~30 seconds) then check for Ready node:

kubectl get node

Install Portainer:

kubectl apply -f https://raw.githubusercontent.com/portainer/k8s/master/deploy/manifests/portainer/portainer.yaml

