Nodes setting

Basic setting on each node

I'm going to log first to my primary control node (one of three dedicated as "control plane" for my Kuber

First, we should confirm that all our nodes are up:

```
#switch to root
sudo -s
#install mmap
apt install mmap
#scan local network range to see who is up
nmap -sP 192.168.8.1-254
```

This confirmed all my nodes are up and connected to the with Ansible, there are a couple of manual tasks to do.

First, prepare /etc/hosts file on the one control node you are no right now:

```
# Edit /etc/hosts with your favorite editor, mine lo
127.0.0.1 localhost
 192.168.8.182 cube81 cube81.local
192.168.8.183 cube82 cube82.local
192.168.8.184 cube83 cube83.local
192.168.8.185 cube84 cube84.local
192.168.8.186 cube85 cube85.local
192.168.8.187 cube86 cube86.local
```

Next, SSH log in manually to every node, and change the password when asked (k

Making life easier with Ansible

I'm going to use Ansible in a very simple manner so that everybody can understand what is going on. Of course, all of the following steps can be done via playbook, that you would run and coffee...

Install Ansible

```
apt install ansible
```

Next, we need to create a file /etc/ansible/hosts (or edit it), and add our hosts. In essence, here we define hosts and groups of hosts that Ansible will try to manage.

```
| Impriest| | Impriest | Impriest
```

Above, you can see I have added 3 groups: "control", "workers' and "cube". This was split so that if I want to execute some actions only on co-children. This basically means that it's a group of groups, and when I'm using "cube" I'm targeting every single node from the listed groups.

Another thing is "var_hostname". This is a variable set individually per host, so that I can reference it later and change each nodes "hostname" to its correct one with one command.

Next, "ansible_connection": we are telling Ansible how to connect to that host. The primary method is ssh, but I specified "local" for control®1, because this is the node that we are run from. This way, it won't try to ssh to itself.

```
# Make sure you are user ubuntu
cd
kkdr-p-/.ssh
chmod 780 -/.ssh
ssh-keypen-t-sch node, for example:
# COpy keys to each node, for example:
ssh-copy-d-a-/.ssh/d_rea.pub ubuntu#control82
```

After this, we are ready for some mass settings with Ansible, but that will be in the next article. I'm try

Your very first Ansible command

This is the last thing before we head on to the next article; we are going to check if Ansible is working fine and can co

```
# Run following as ubuntu user
# We are going to execute ping via ansible, the "cube" is group we
# And if you resember this will execute the command on all nodes.
# -m sean we are going to use module, in our case module: ping
ansible cube -m ping
            },
"changed": false,
"ping": "pong"
             discovered_in
},
"changed": false,
"ping": "pong"
            e82 | SUCCESS => {
  "ansible_facts": {
    "discovered_int
             },
"changed": false,
"ping": "pong"
     }
cube01 | SUCCESS => {
    "ansible_facts": {
        "discovered_int
           "discovered_id
},
"changed": false,
"ping": "pong"
         be03 | SUCCESS => {
    "ansible_facts": {
        "discovered_int
            discovered_id
},
"changed": false,
"ping": "pong"
             },
"changed": false,
"ping": "pong"
         be05 | SUCCESS => {
    "ansible_facts": {
        "discovered_in
            "changed": false,
"ping": "pong"
         be06 | SUCCESS => {
    "ansible_facts": {
        "discovered_int
```

