Automated process for assigning static IP Addresses

Assigning static IP addresses can be taking a lot of time so by automating this process it make it easier to focus on other more important stuff.

Static IP's can be useful for a lot of stuff but one of them can be accessing computers through ssh without actually going physically to the computer and checking on the IP address.

Automating such a proccess would be mostly used by people who use servers or multiple computers for an easier way to connect and control them. For example in a school computer lab the teacher can set static IP addressing for each individual computer to allow better administration of them so to theacher can control each individual computer from a central unit without physically accessing the exact computer.

Process ideea:

1. Fetch the file from the remote node located in "/etc/sysconfig/network-scripts/ifcfg-enp0s3." to a "template.j2" file.
2. Edit the template.j2 and change "BOOTPROTO=dhcp" to "BOOTPROTO=static"
3. Add theese lines

```
IPADDR={{ ip }}
NETMASK=255.255.255.0
GATEWAY={{ gateway }}
DNS1=1.0.0.1
DNS2=1.1.1.1
DNS3=8.8.4.4
```

4. In playbook get a ip addresses list and for each host from the inventory file pass the appropriate value for the ip address
5. Copy it to node to "/etc/sysconfig/network-scripts/ifcfg-enp0s3" (may not be enp0s3 because of different interface) for each host.
6. restart the network service
7. reboot os
8. Check to see if it works.