# Change Config

To change a site to use static IP addresses and having the self-configuration disabled it’s necessary first to successfully run the self-configuration, only then can the systems be accessed.

The scripts presented here only work when the Core/Node/Cube system has an IP address assigned that is correctly generated by the self-configuration.

## changeConfig files

The files necessary are presented below:

**changeConfig.sh** – the bash shell script file that will run in the Array Controller and will run changeConfig-remote.sh.

**changeConfig-remote.sh** – the bash shell script that will run in the remote system.

**crontab.txt** – The new crontab file.

**network.yaml** – the template for the new network.yaml file. The fields STATIC\_IP\_ADDRESS and GATEWAY\_IP\_ADDRESS will be replaced to meet the system.

## How to run the changeConfig script

Execute the following steps:

1. Copy the files above to the Array Controller into directory **/changeConfig**. (You need to create the directory.) WinSCP usually is the easiest way to do this, or just use Windows scp command.
2. Change the permissions of the \*.sh /changeConfig files by executing:

chmod 777 \*.sh

1. Be sure that the Core/Node/Cube system is reachable by executing the ping command from the Array Controller:

ping 10.11.9.101

1. The changeConfig is evoked like:

changeConfig <IP address> <Gateway IP address> <root password>

In case of a BananaPi-R2 execute:

changeConfig 10.11.9.101 10.11.8.1 root

In case of an EspressoBin-Ultra execute:

changeConfig 10.11.9.101 10.11.8.1 admin

1. Once the script is finished, ping the system to verify that the system is back to the network, this should take between 30s and 60s:

ping 10.11.9.101

## Remove Ethernet Return Loop

Once a complete row is changed remove the Ethernet return loop cable from the Core Switch or reprogram the switch to disable the Ethernet return loop.

# Unchange Config

To un-change a site to the original configuration, dhcp and self-configuration enabled follow the steps presented below.

## unchangeConfig files

The files necessary are presented below:

**unchangeConfig.sh** – the bash shell script file that will run in the Array Controller and will run unchangeConfig-remote.sh.

**unchangeConfig-remote.sh** – the bash shell script that will run in the remote system.

**crontab.txt** – The crontab file.

**network.yaml** – the template for the network.yaml file. The field STATIC\_IP\_ADDRESS will be replaced to meet the system.

## How to run the unchangeConfig script

Execute the following steps:

1. Copy the files above to the Array Controller into directory **/unchangeConfig**. (You need to create the directory.) WinSCP usually is the easiest way to do this, or just use Windows scp command.
2. Change the permissions of the \*.sh files in /unchangeConfig by executing:

chmod 777 \*.sh

1. Be sure that the Core/Node/Cube system is reachable by executing the ping command from the Array Controller:

ping 10.11.9.101

1. The unchangeConfig is evoked like:

unchangeConfig <IP address> <root password>

In case of a BananaPi-R2 execute:

unchangeConfig 10.11.9.101 root

In case of an EspressoBin-Ultra execute:

unchangeConfig 10.11.9.101 admin

1. Once the script is finished, ping the system to verify that the system is back to the network, this should take between 30s and 60s:

ping 10.11.9.101

## Re-establish the Ethernet Return Loop

Once a complete row is un-changed, re-establish the Ethernet return loop cable from the Core Switch or reprogram the switch to enable the Ethernet return loop.