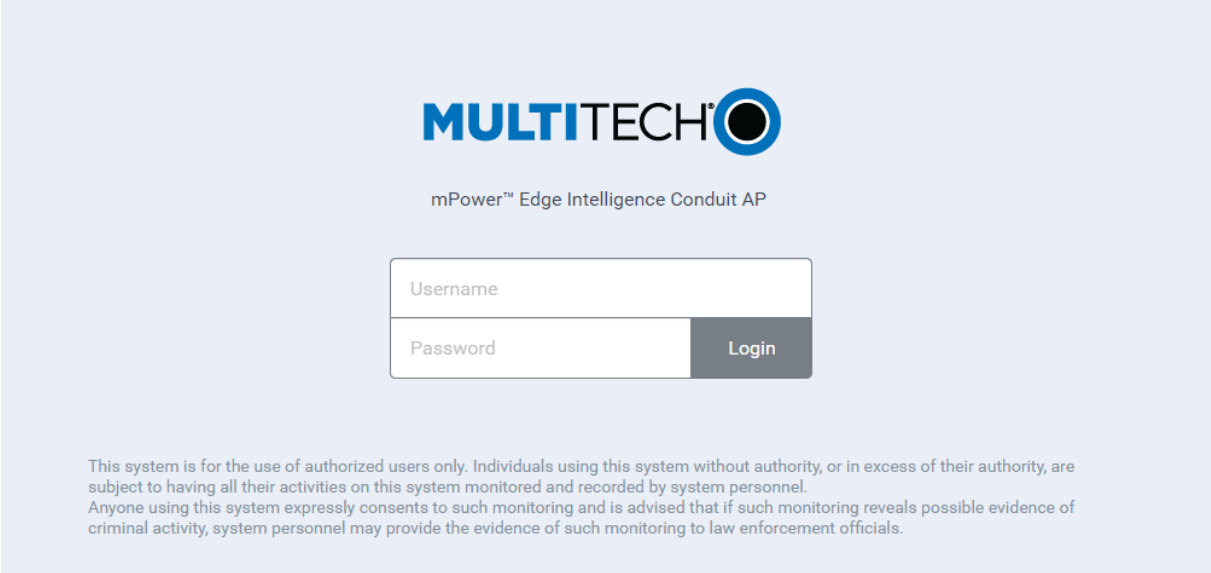
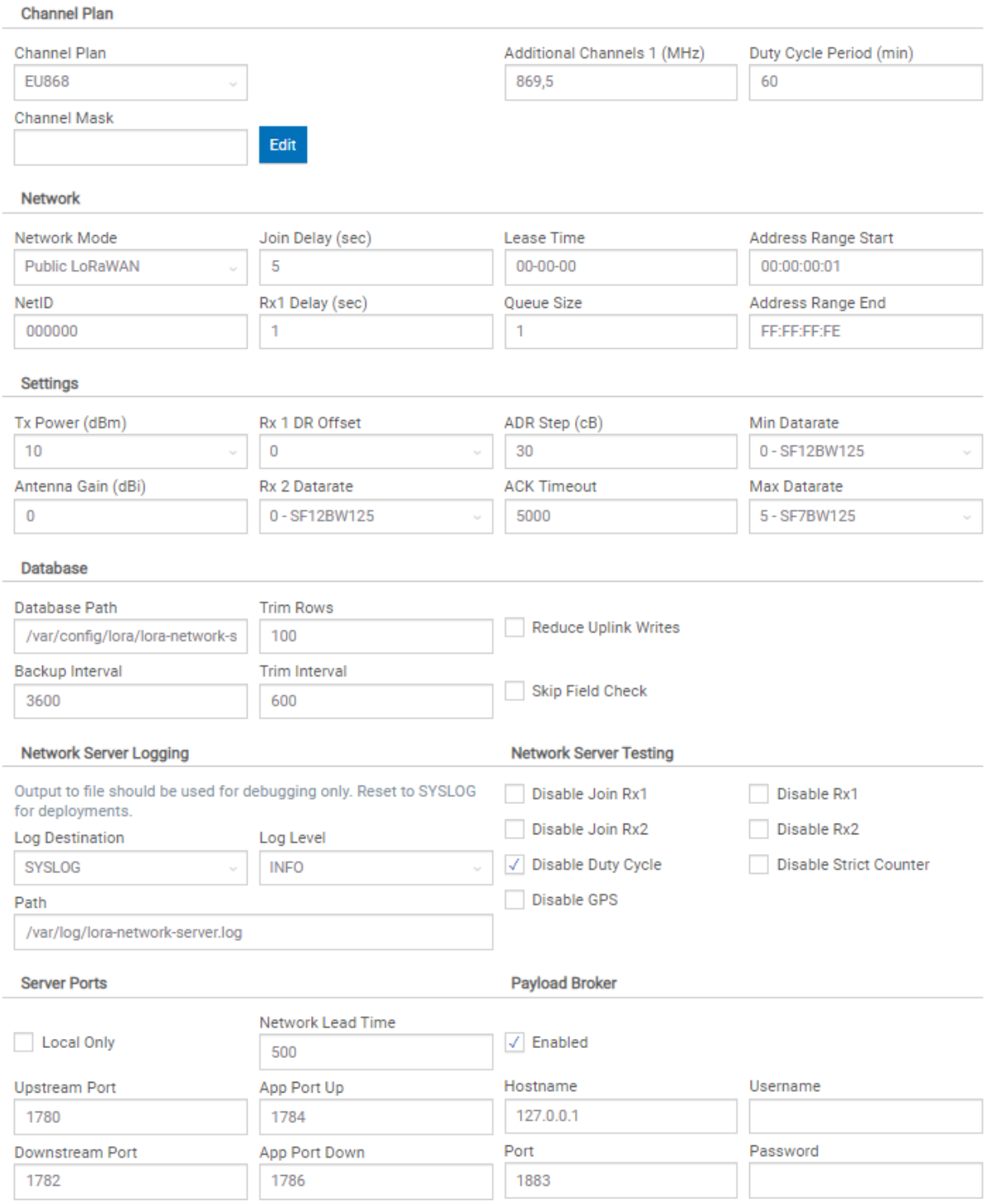
Configuring the MTCAP Gateway for LoRaWAN training

1. Connect Gateway using Ethernet cable to your PC
2. Configure your local network settings if needed. You don't need to set a static IP. DHCP will set it automatically.
3. Run Internet browser and put Lora gateway IP address in browser address bar. Default address is: 192.168.2.1
4. In case where security communicates appear, please select „Continue this website” option
5. To log in, please use following details:
   Username: **admin**,
   Password: **admin!11**



6. Go to: **LoRaWAN** -> **Network Settings**
   And set everything up as in the screen below.

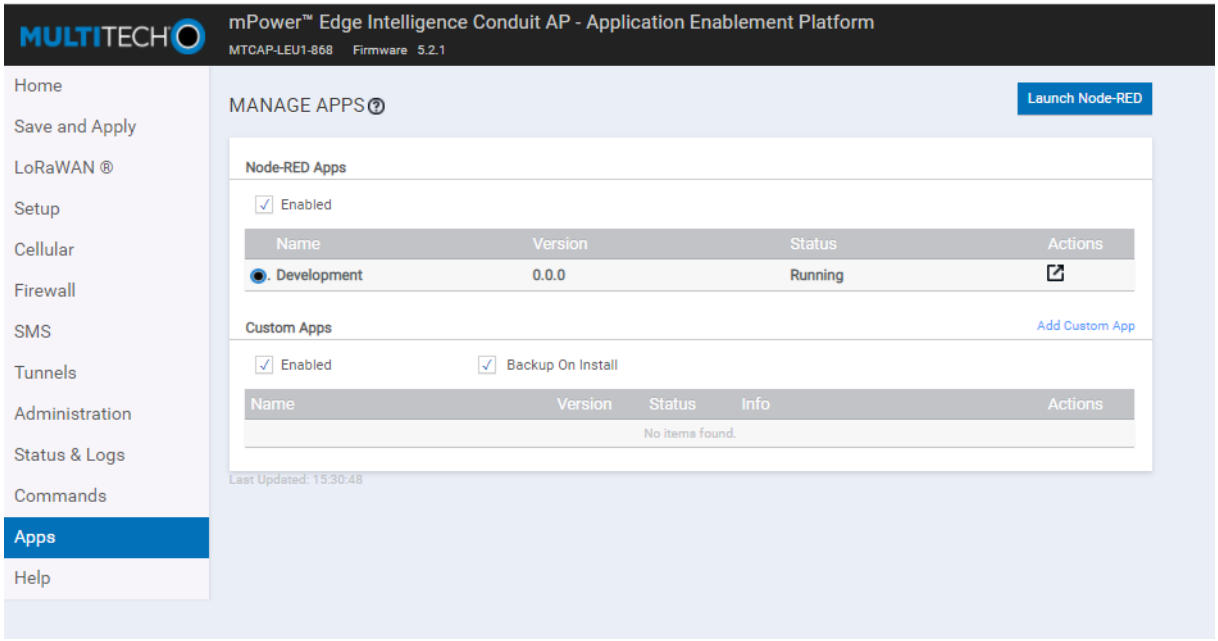


7. There are few key parameters in this configuration:
   - Channel Plan – **EU686**
   - Join Delay (sec) – **5**
   - Rx1 Delay (sec) – **1**
   - Queue Size – **1**

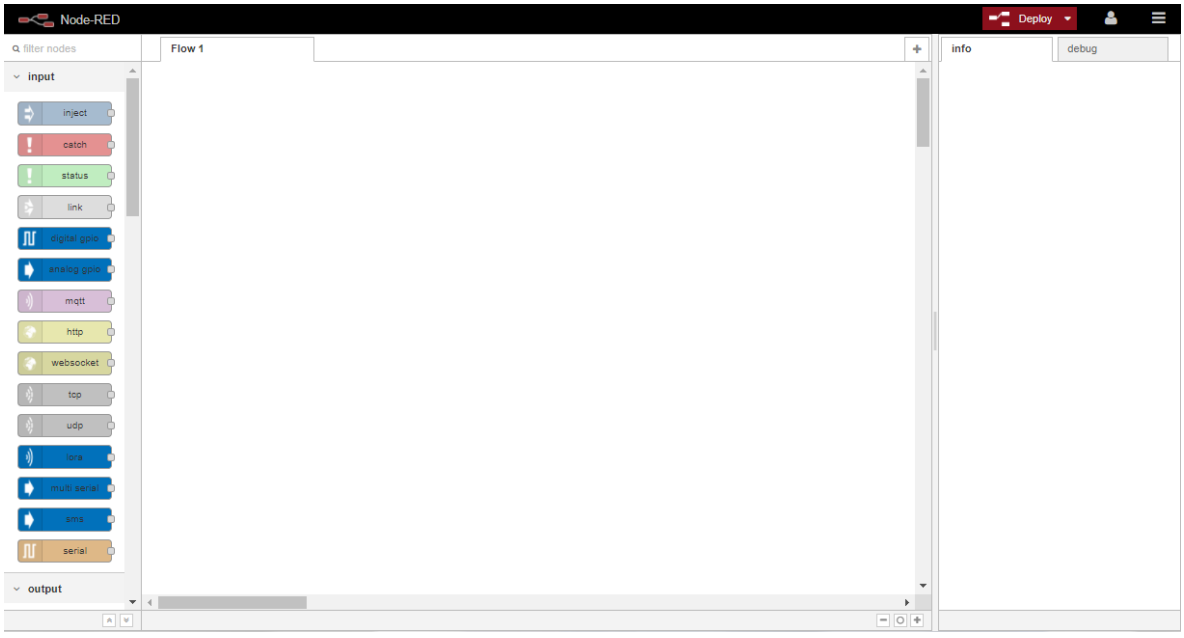
- Tx Power – **10**
- ACK Timeout – **5000**

Rest of the parameters can be left as default values.

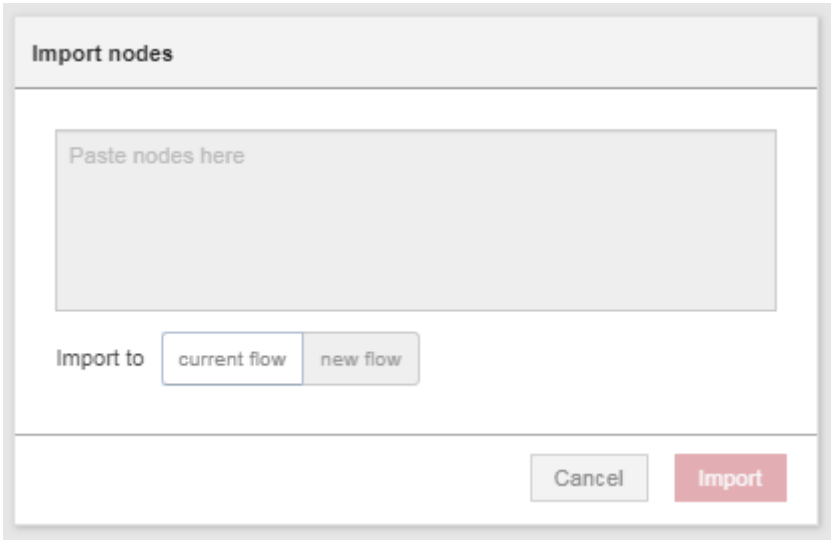
8. Click submit after making all changes, then save it.
9. Go to: **Apps** -> **Launch Node-RED**



10. In the top right corner, click the "hamburger" icon. Then click: **Import** -> **Clipboard**

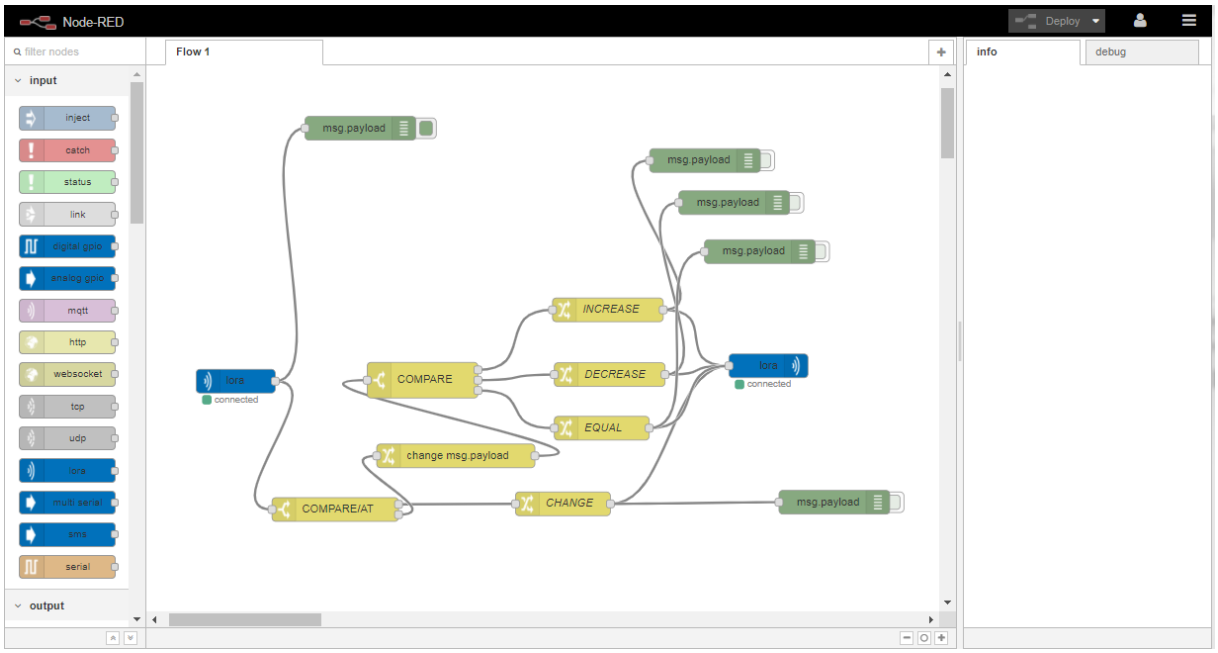


11. You will see the following window:



Paste here the entire contents of the file “*LoRaWan-flow.txt”* file.

12. After clicking the Import button you will see ready flow for a training.



The blue nodes are responsible for communication with the network server. Respectively INPUT and OUTPUT.

The yellow nodes are mathematically defined by conditions “if something, do something”. For example, if the received temperature is too low, increase the controller setting. They are responsible for the entire logic of the program.

The green nodes are used for debugging. On the right side you have the debug tab. There you can see what data is being passed and what is coming from a given node.

13. Now just click DEPLOY and you're done.