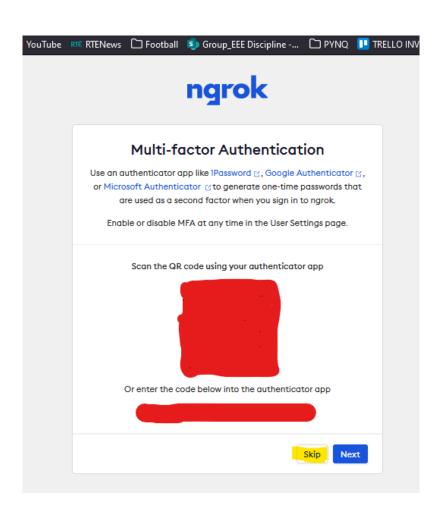
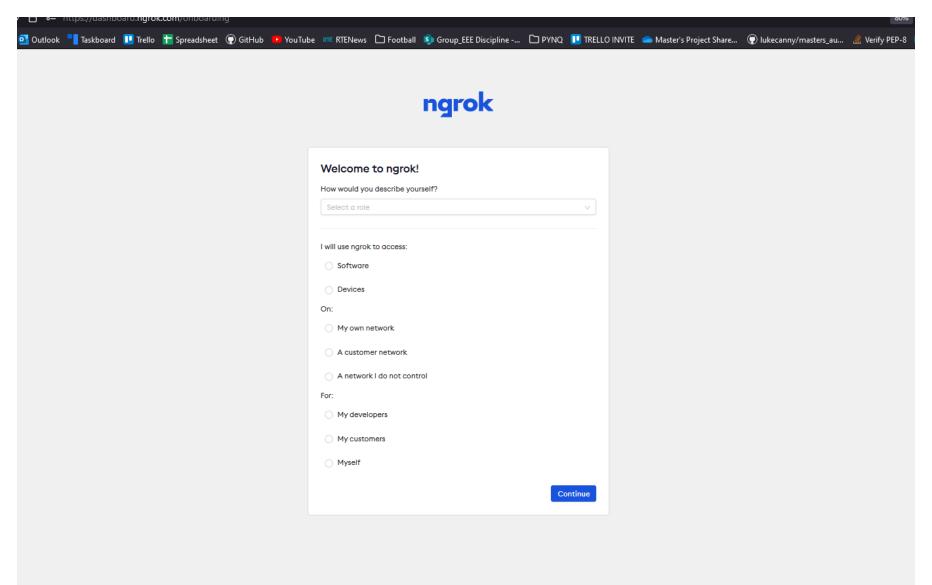
Creating and Configuring an Account at ngrok.com

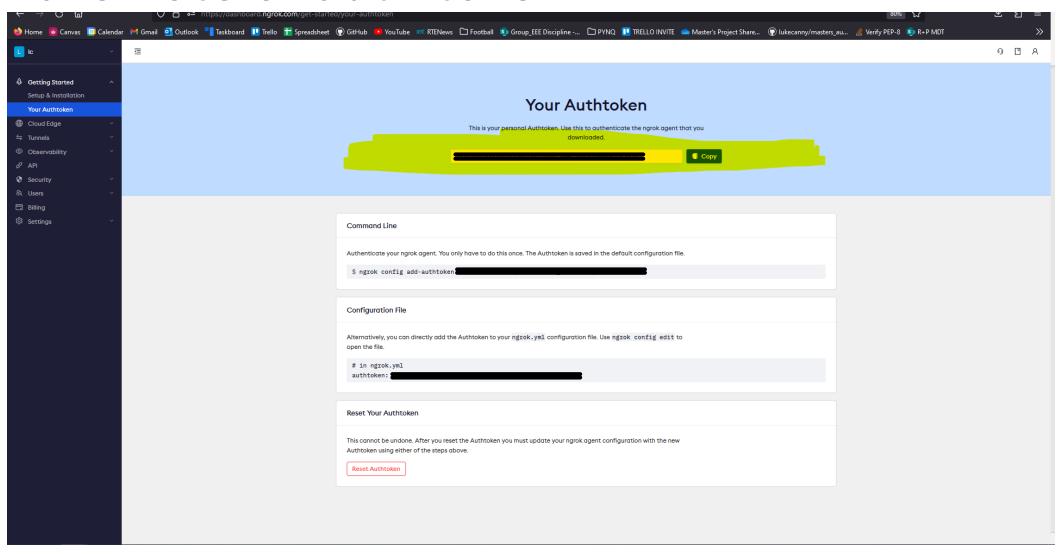
Create account – Click link sent by email- Skip 2FA



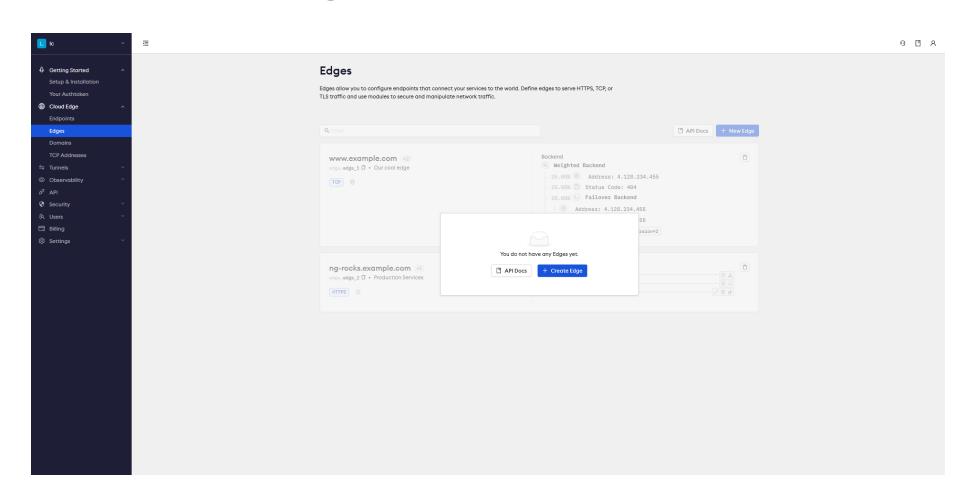
Doesn't need to be filled out, just continue



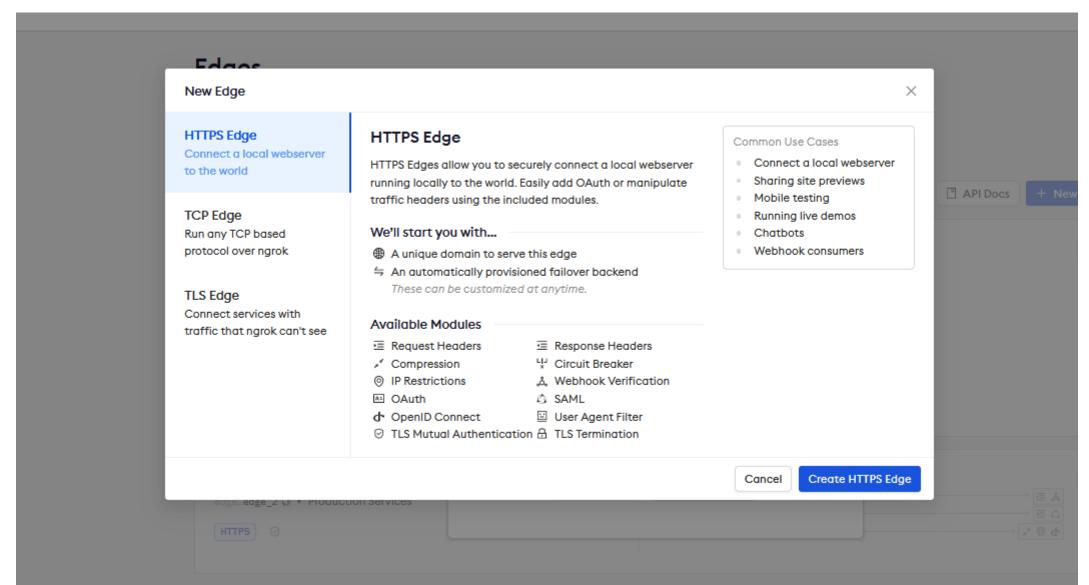
Click on "Your Authtoken" on top left and make note of auth token



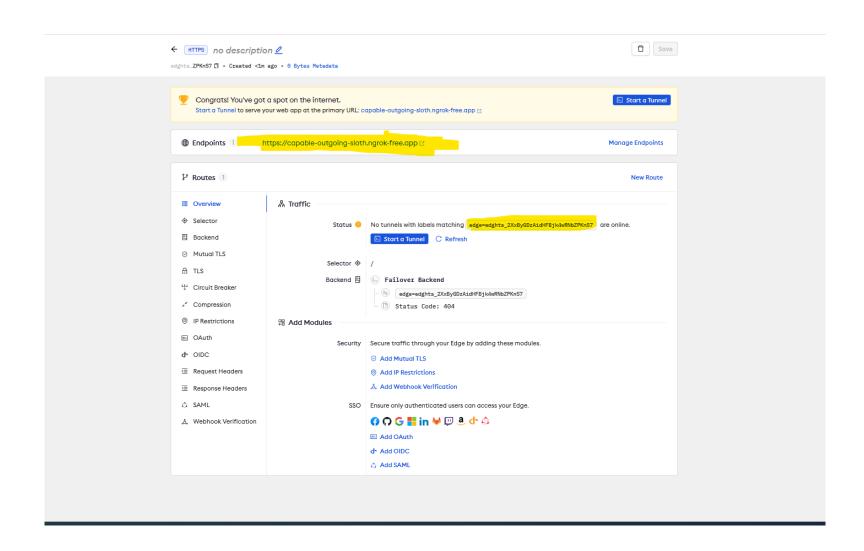
Next under "Cloud Edge" select "Edges" – Click "Create Edge"



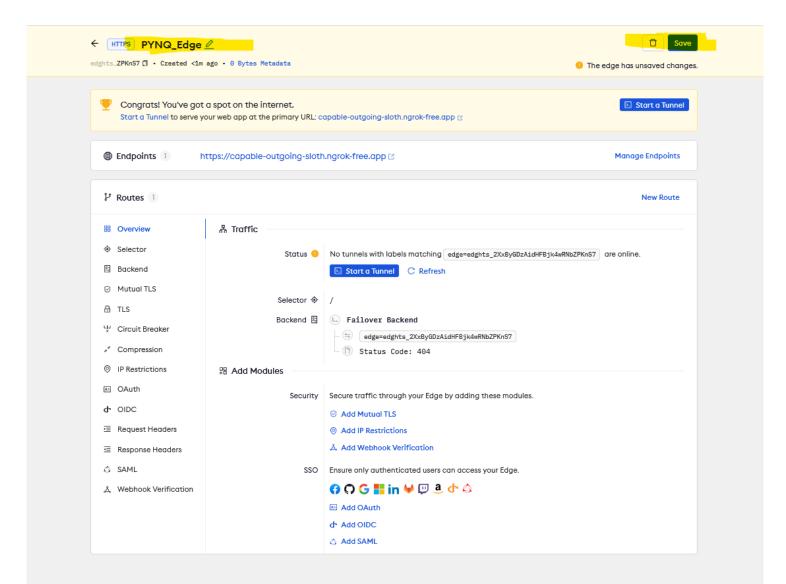
Choose HTTPS Edge



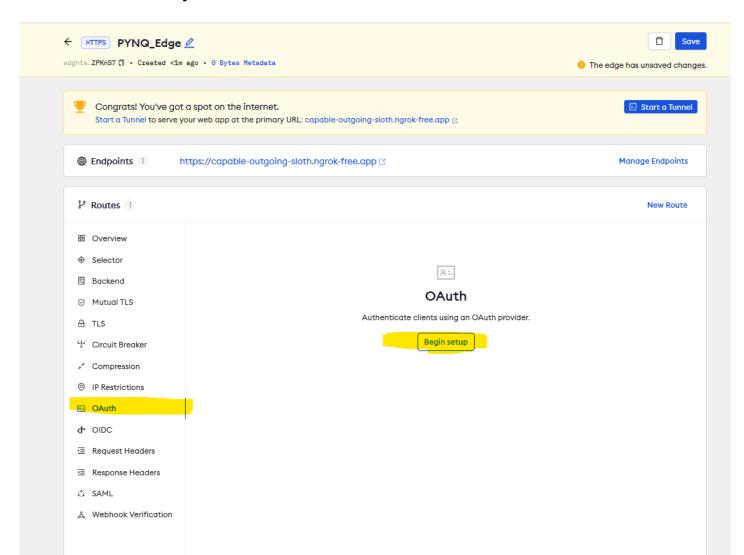
Take note of the edge label AND the endpoint web address



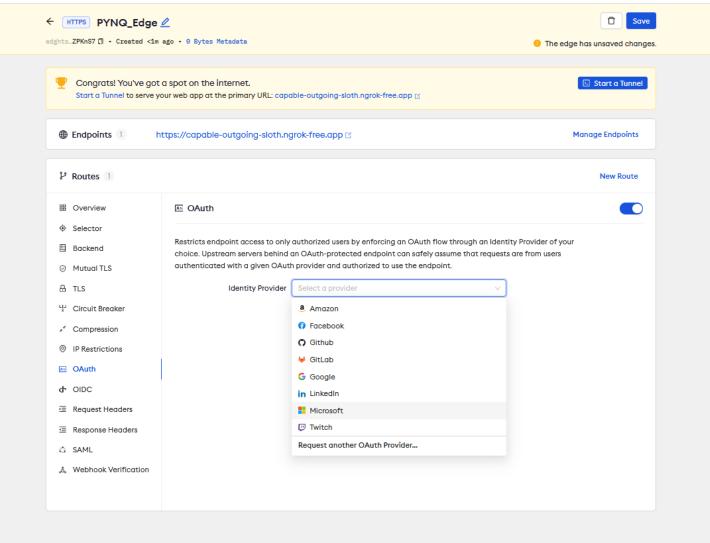
Rename edge to "PYNQ_Edge" and hit save



To set up Oauth – Click OAuth on LHS and click begin set up

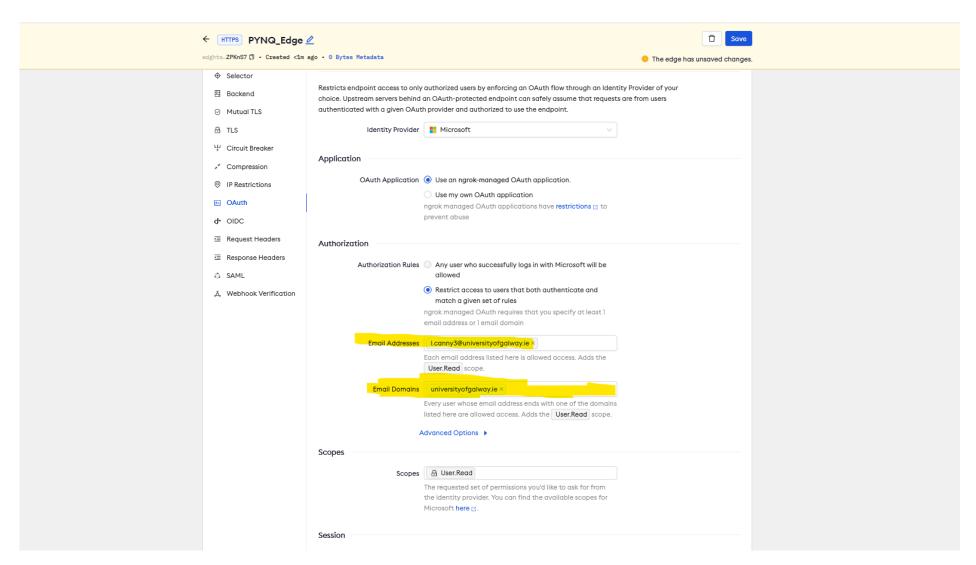


Select the provider (I will choose Microsoft, although you can decide. This is how users will authenticate. Same as how Microsoft login used on Canvas/Blackhoard)



Set either the specific email addresses OR email domain that is allowed to access your board. The college's domain should suffice — i.e. only logins with @universityofgalway.ie are allowed. — remember to click

save



That is all!

- You should now have your
 - Authtoken
 - Edge Label (edge=abcdef123456)
 - Ngrok URL

All of which will be needed by the PYNQ board

Additional Information/Understanding

 The authtoken is used by the ngrok client on the PYNQ board to authenticate the user (i.e. login to your ngrok account on the PYNQ)

 The edge label is used to tell ngrok what endpoint will be used by the ngrok client, the endpoint means the URL that will become active and available online.

 Finally, the ngrok URL is what you will use in your browser to access the pynq board remotely (more specifically the JNB web interface)