

Electronics Workshop: Networking!

Today, we'll be writing code for our Argons to receive network requests and Java programs to send network requests, resulting in being able to control our devices over the Internet!

Installing the Particle CLI

We're going to need a command-line tool to generate an access token.

If you're on Mac:

Open Terminal and run this command:

```
bash <(`curl -sL https://particle.io/install-cli`)
```

If you're on Windows:

Click [this link](#) and follow the installer.

Generating the Access Token

If you recall, an access token is like a password in that it allows your computer to act on your behalf.

In Terminal or Command Prompt, run:

```
particle token create
```

Enter your email address and password and take note of the string that's generated.

Writing the Argon Code

1. Create a new project in your [Particle Web IDE](#).
2. Click on the "libraries" button (the ribbon on the bottom left), select Neopixel, and add it to your project.
3. We will be going over the code in club meeting, but if you get stuck, sample code is available [here](#).

Writing the Java Code

1. Create a new project in BlueJ.
2. We will be going over the code in club meeting, but if you get stuck, sample code is available [here](#).
3. Paste your Device ID and Access Token (from above) into the strings at the top of the Java code.
 - a. To get your Device ID, click on the "devices" button (target icon on the bottom left of the Particle Web IDE), select your device, copy Device ID.