

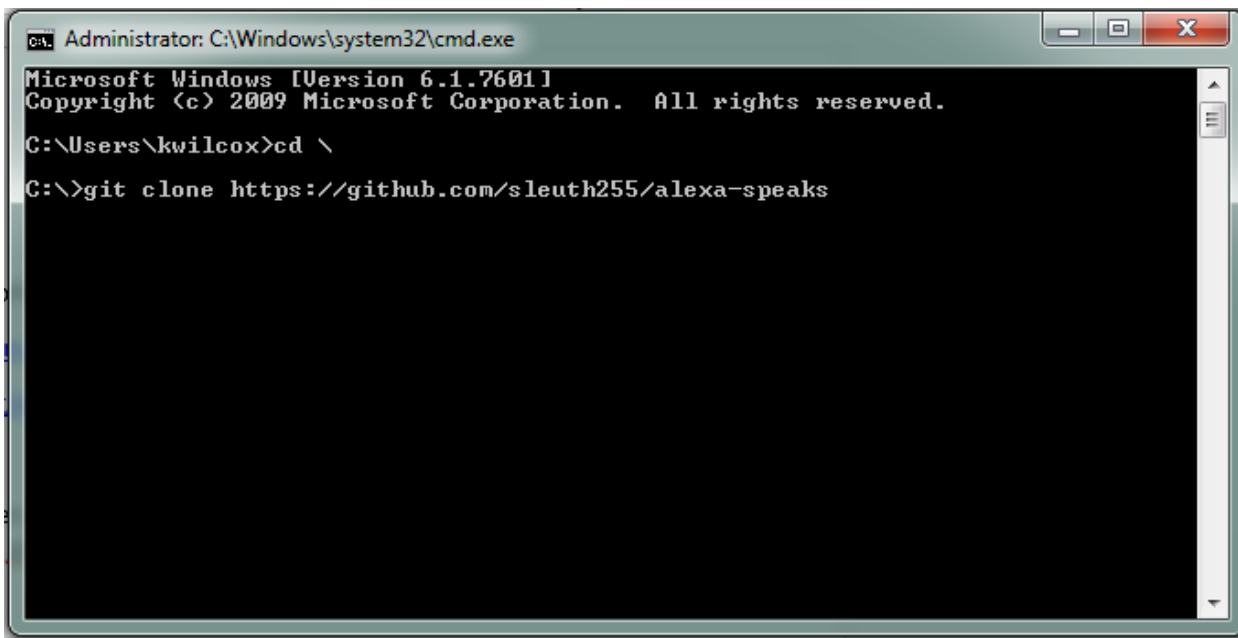
Installing Alexa-speaks on your Home Automation server.

First you will need to install two pieces of software on your server: git command line utilities and node.js

Git utilities are available here: <https://git-scm.com/downloads>

Node.js is available here: <https://nodejs.org/en/download/>

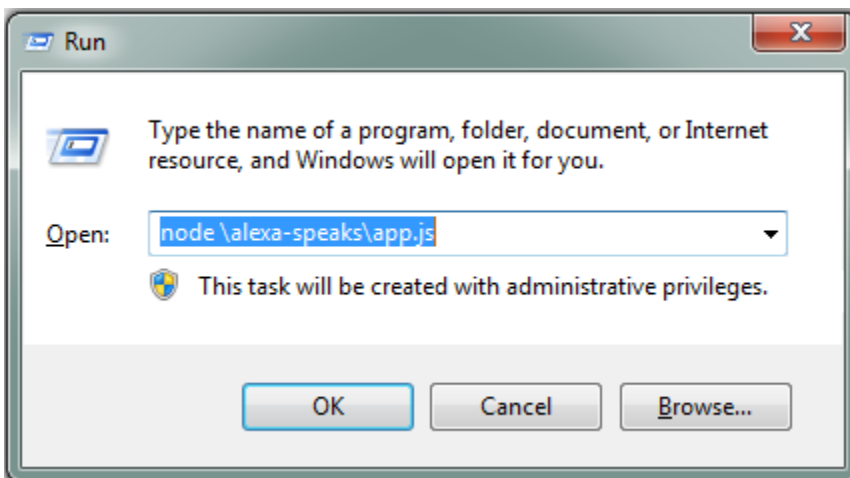
Once these are installed on your server, open a command prompt and change to the topmost directory. Next, install the alexa-speaks binaries using git clone <https://github.com/sleuth255/alexa-speaks>. Here's how this looks:



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\kwilcox>cd \
C:\>git clone https://github.com/sleuth255/alexa-speaks
```

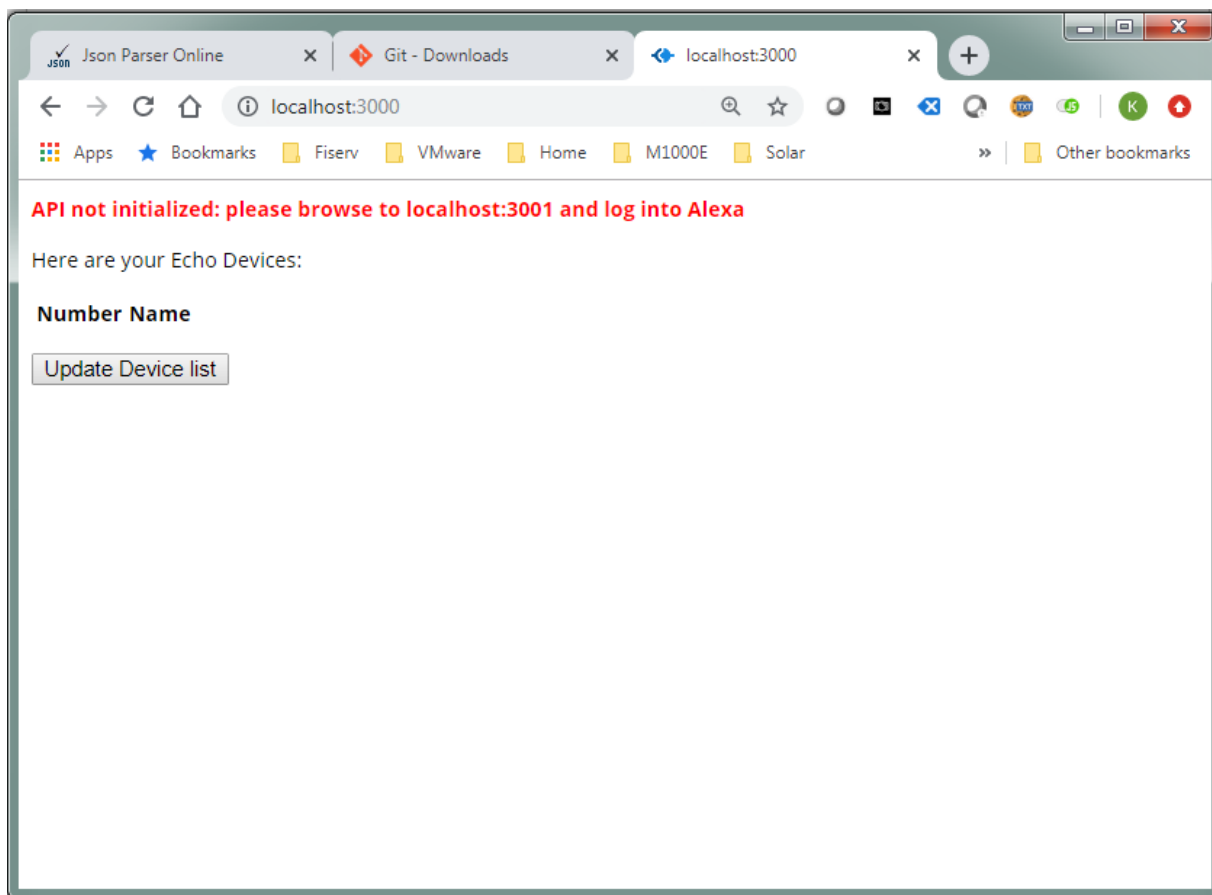
This will create an alexa-speaks subdirectory under the root of your c: drive. Next, launch the website by pressing <windows>R. A run dialog box should pop up. Enter "node c:\alexa-speaks\app.js" and press the OK button. Here's what this looks like:



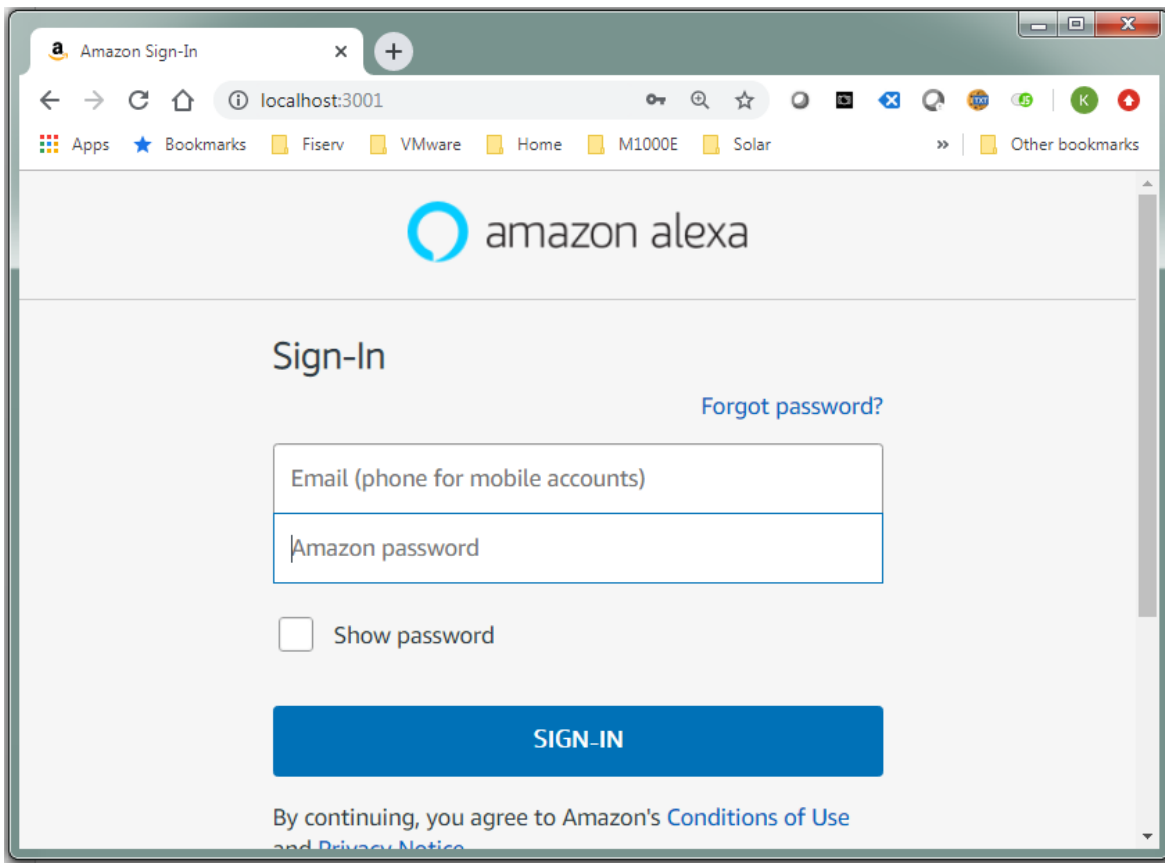
Node.js will launch in a new window and will show the following:

```
C:\Program Files\nodejs\node.exe
.0> Gecko/20100101 Firefox/99.0
Alexa-Remote: Use as Login-Amazon-URL: amazon.com
Alexa-Remote: Use as Base-URL: pitangui.amazon.com
Alexa-Remote: No cookie given, generate one
Alexa-Cookie: Use as Login-Amazon-URL: amazon.com
Alexa-Cookie: Use as User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:99.0) Gecko/20100101 Firefox/99.0
Alexa-Cookie: Use as Accept-Language: en-US
Alexa-Cookie: Proxy mode disabled
[HPM] Proxy created: ?/cookie-success -> https://alexa.amazon.com
[HPM] Proxy rewrite rule created: "^/www.amazon.com" ~> ""
[HPM] Proxy rewrite rule created: "^/alexa..amazon.com" ~> ""
Alexa-Cookie: Proxy-Server listening on port 3001
Alexa-Remote: Error from retrieving cookies
Error: You can try to get the cookie manually by opening http://localhost:3001/
with your browser.
    at C:\alexa-speaks\node_modules\alexa-cookie2\alexa-cookie.js:363:38
    at Server.<anonymous> (C:\alexa-speaks\node_modules\alexa-cookie2\lib\proxy.js:305:9)
    at Object.onceWrapper (events.js:299:28)
    at Server.emit (events.js:210:5)
    at emitListeningNT (net.js:1335:10)
    at processTicksAndRejections (internal/process/task_queues.js:79:21)
Express server listening on port 3000
```

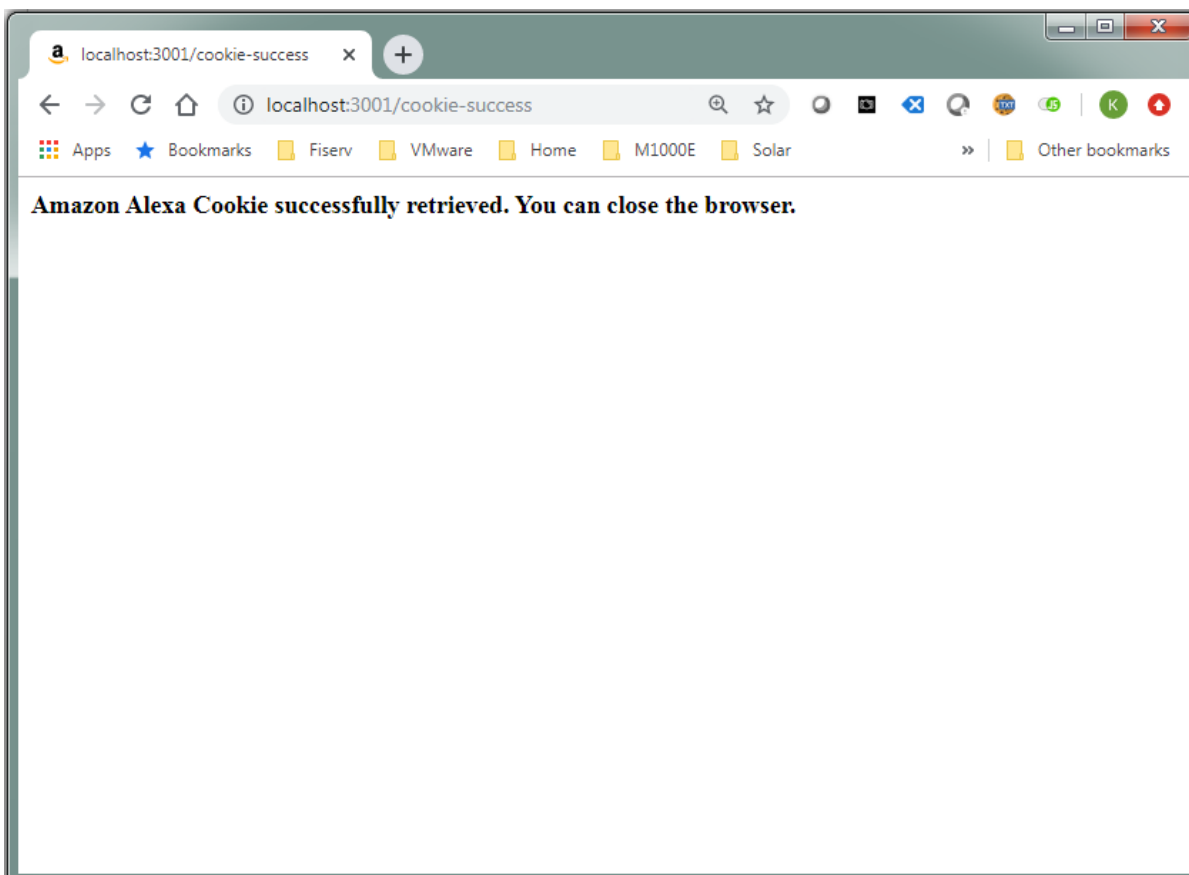
You may get a firewall popup. Choose Allow for private networks. Now you should be able to browse to the management site url: <http://localhost:3000>. It will show that the API hasn't been initialized yet:



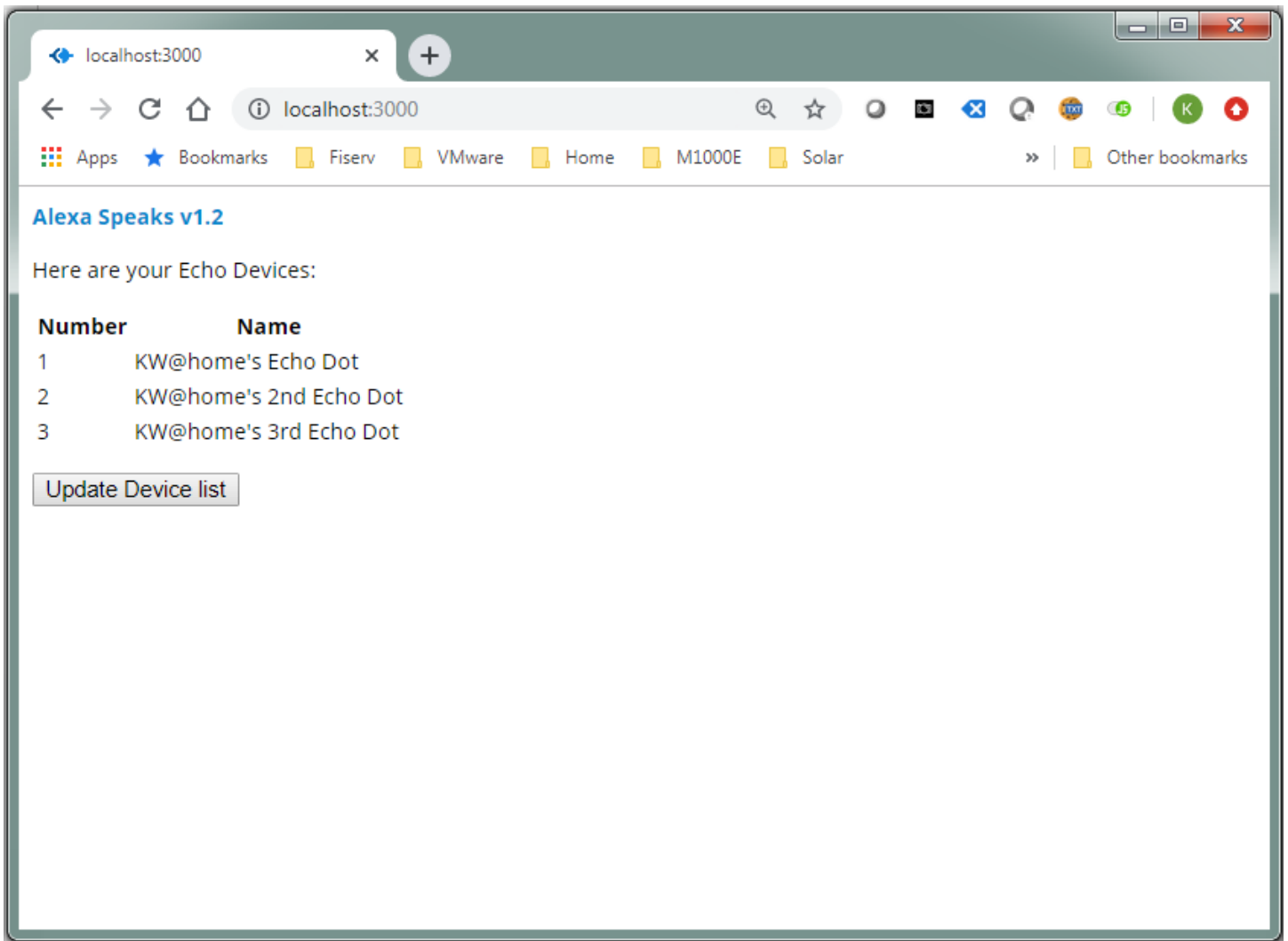
Do as the site suggests, and browse to the proxy site at <http://localhost:3001> where a login page to the alexa online site is displayed (Note: IE and edge don't allow cookies by default, so you may need to install a real browser like chrome or firefox before trying this next step):



Enter your amazon credentials and solve any captcha that may be subsequently displayed after you press the SIGN-IN button. The successful Cookie retrieval message should be shown next and you can return to the management page at <http://localhost:3000>.



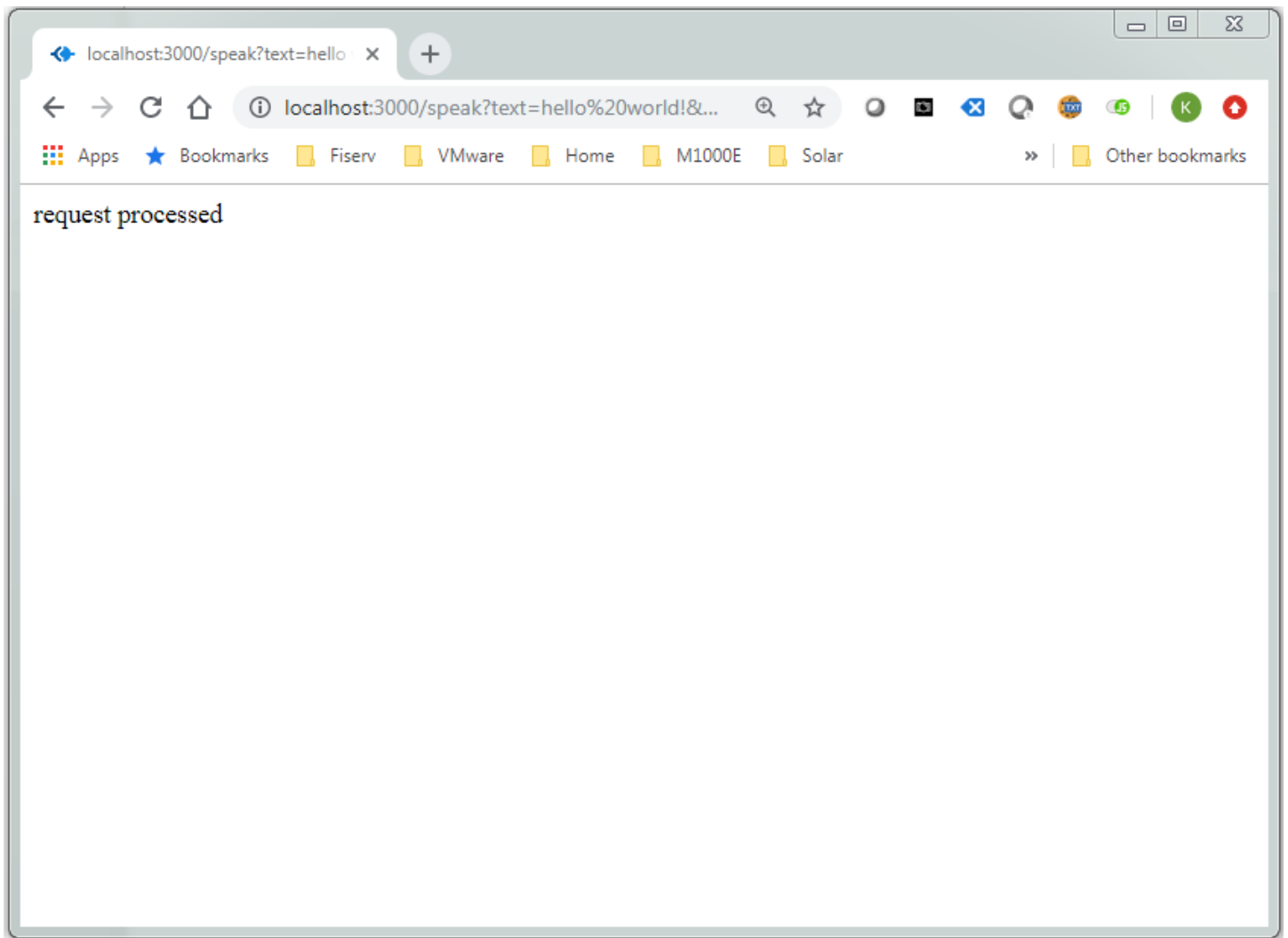
Refresh that page until the API error message goes away (should only take a few seconds). You should then be presented with a list of your Alexa devices. Make a note of these because the API uses the device numbers to determine who should speak:



Congratulations! You now have text to speech control over alexa! Test this by browsing to the following url:

<https://localhost:3000/speak?text=Hello World!&who=all>

When you do this, all of your Echo devices should say “Hello World!” and the website should display the following:



You can cause any combination of your Alexa devices to speak by changing “who=all” to who=<a comma separated list of numbers> ie: who=1,2 or who=3 etc...