

Lab 6A: Particle Cloud

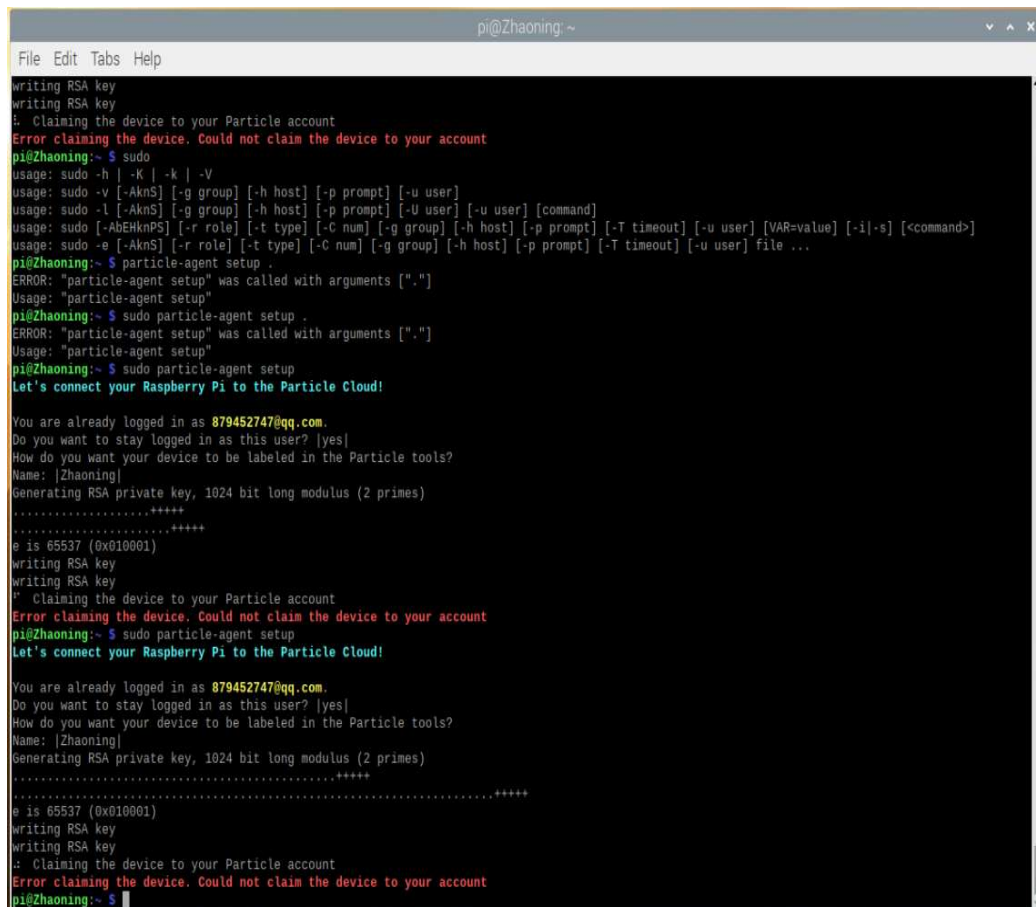
Install the Particle-Agent on Raspberry Pi, log in the Particle account, and claim Raspberry Pi to the Particle account

After first try, got Error: Error claiming the device. Could not claim the device to your account

After update the latest version of Raspbian Jessie.

```
sudo apt-get update
sudo apt-get upgrade
sudo apt-get dist-upgrade
```

Still got the error.



```
pi@Zhaoning: ~
File Edit Tabs Help
writing RSA key
writing RSA key
.: Claiming the device to your Particle account
Error claiming the device. Could not claim the device to your account
pi@Zhaoning:~$ sudo
usage: sudo -h | -K | -k | -V
usage: sudo -v [-AknS] [-g group] [-h host] [-p prompt] [-u user]
usage: sudo -l [-AknS] [-g group] [-h host] [-p prompt] [-u user] [-u user] [command]
usage: sudo [-ABEHknPS] [-r role] [-t type] [-C num] [-g group] [-h host] [-p prompt] [-T timeout] [-u user] [VAR=value] [-i|-s] [<command>]
usage: sudo -e [-AknS] [-r role] [-t type] [-C num] [-g group] [-h host] [-p prompt] [-T timeout] [-u user] file ...
pi@Zhaoning:~$ sudo particle-agent setup .
ERROR: "particle-agent setup" was called with arguments ["."]
Usage: "particle-agent setup"
pi@Zhaoning:~$ sudo particle-agent setup .
ERROR: "particle-agent setup" was called with arguments ["."]
Usage: "particle-agent setup"
pi@Zhaoning:~$ sudo particle-agent setup
Let's connect your Raspberry Pi to the Particle Cloud!

You are already logged in as 879452747@qq.com.
Do you want to stay logged in as this user? [yes]
How do you want your device to be labeled in the Particle tools?
Name: |Zhaoning|
Generating RSA private key, 1024 bit long modulus (2 primes)
.....+++++
.....+++++
e is 65537 (0x010001)
writing RSA key
writing RSA key
.: Claiming the device to your Particle account
Error claiming the device. Could not claim the device to your account
pi@Zhaoning:~$ sudo particle-agent setup
Let's connect your Raspberry Pi to the Particle Cloud!

You are already logged in as 879452747@qq.com.
Do you want to stay logged in as this user? [yes]
How do you want your device to be labeled in the Particle tools?
Name: |Zhaoning|
Generating RSA private key, 1024 bit long modulus (2 primes)
.....+++++
.....+++++
e is 65537 (0x010001)
writing RSA key
writing RSA key
.: Claiming the device to your Particle account
Error claiming the device. Could not claim the device to your account
pi@Zhaoning:~$
```

Lab 6B: Node.js

```
pi@Zhaoning: ~/iot/lesson6
File Edit Tabs Help

--use-bundled-ca      (silence warnings)
--use-openssl-ca      use bundled CA store
--v8-options          use OpenSSL's default CA store (default)
--v8-pool-size=...    print V8 command line options
-V, --version         set V8's thread pool size
--zero-fill-buffers   print Node.js version
                     automatically zero-fill all newly allocated Buffer and
                     SlowBuffer instances

Environment variables:
NODE_DEBUG            ','-separated list of core modules that should print debug
                     information
NODE_DEBUG_NATIVE     ','-separated list of C++ core debug categories that should
                     print debug output
NODE_DISABLE_COLORS   set to 1 to disable colors in the REPL
NODE_EXTRA_CA_CERTS   path to additional CA certificates file
NODE_NO_WARNINGS      set to 1 to silence process warnings
NODE_OPTIONS          set CLI options in the environment via a space-separated
                     list
NODE_PATH             ':'-separated list of directories prefixed to the module
                     search path
NODE_PENDING_DEPRECATION set to 1 to emit pending deprecation warnings
NODE_PRESERVE_SYMLINKS set to 1 to preserve symbolic links when resolving and
                     caching modules
NODE_REDIRECT_WARNINGS write warnings to path instead of stderr
NODE_REPL_HISTORY     path to the persistent REPL history file
NODE_TLS_REJECT_UNAUTHORIZED set to 0 to disable TLS certificate validation
NODE_V8_COVERAGE     directory to output v8 coverage JSON to
OPENSSL_CONF          load OpenSSL configuration from file
SSL_CERT_DIR          sets OpenSSL's directory of trusted certificates when used
                     in conjunction with --use-openssl-ca
SSL_CERT_FILE         sets OpenSSL's trusted certificate file when used in
                     conjunction with --use-openssl-ca
UV_THREADPOOL_SIZE    sets the number of threads used in libuv's threadpool

Documentation can be found at https://nodejs.org/
pi@Zhaoning:~$ node -v
v10.21.0
pi@Zhaoning:~$ cd ~/iot/lesson6
pi@Zhaoning:~/iot/lesson6$ node hello.js
Server running at http://127.0.0.1:8080/
^C
pi@Zhaoning:~/iot/lesson6$ node http.js
```