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## RESTful API Call From Cache to Particle.io Electron

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Summary: Simple Blink Tutorial for Particle.io Electron Device from Cache

Electron device is a tiny ARM processor (\$40-\$60) that connects to Particle's world wide leased 2G/3G network (about \$3/mo) and runs off an included LiPo battery. Using Cache's %Net.HttpRequest you can send/receive data, control hardware and read sensors.

Step by Step (about 1 hour)

- 1) Get the Electron from [store.particle.io](http://store.particle.io).
- 2) Set up the Electron from [setup.particle.io](http://setup.particle.io).
- 3) Install an LED and resistor from setup instructions.
- 4) Test with [build.particle.io](http://build.particle.io) using their code for "Web-Connected LED". You get your `access_token` from Settings and device number from Devices in Build and substitute in their code. Edit the code to make sure you can light the LED from a browser before moving to step 5.
- 5) Setup an SSL configuration in your Cache via the SMP (System Management Portal) in Security/SSLTLS configurations. Just create a new SSLTLS configuration by entering a name (like TLS) and saving.
- 6) Run the following Cache code from an internet connected Mac or PC after substituting your `access_token`, device number and on/off in args. Do `^LED1` from Cache terminal.

LED1 ;simple blink test with Cache

```
Set httprequest=##class(%Net.HttpRequest).%New()
Set httprequest.SSLConfiguration="TLS"
Set httprequest.Https=1
Set httprequest.Server="api.particle.io"
Do httprequest.InsertFormData("access_token","your access token here")
Do httprequest.InsertFormData("args","on")
Do httprequest.Post("/v1/your device number here/led")
Do httprequest.HttpResponse.OutputToDevice()
q
```

7) You can also test from a Linux Curl command:

curl <https://api.particle.io/v1/devices/your device number/led> -d access\_token=your access\_token -d args=on

[#Cloud](#) [#Code Snippet](#) [#REST API](#) [#Frontend](#) [#Caché](#)

Source URL: <https://community.intersystems.com/post/restful-api-call-cache-particleio-electron>