



EXOSITE

EXOSITE DEVICE API

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OVERVIEW

I have a very good idea for connecting device to the Internet to do something interesting, but I have no idea how to build the whole system.



IDEA



Internet of Things

POSSIBLE SOLUTIONS

Build up servers

- I need to know how to setup a web server(e. g. apache), database (e.g. MongoDB), Hadoop, Spark, etc.
- Then, I need to learn how to create all applications by myself.

Use cloud services

- I can rent cloud services from AWS, GCP, etc.
- However, I still need to learn how to create all applications by myself.

Use Exosite cloud



- I just need to know how to use Exosite API(device API, RPC API)
- Exosite can help me to manage the device data.



TODAY'S TOPIC:
HOW TO USE
EXOSITE DEVICE API


HTTP://DOCS.EXOSITE.COM

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DEVELOPER DOCUMENTATION AND LINKS

Welcome to Exosite's developer documentation where we provide reference to our products, documented APIs, and links to any other articles, libraries, and reference code.

TUTORIALS

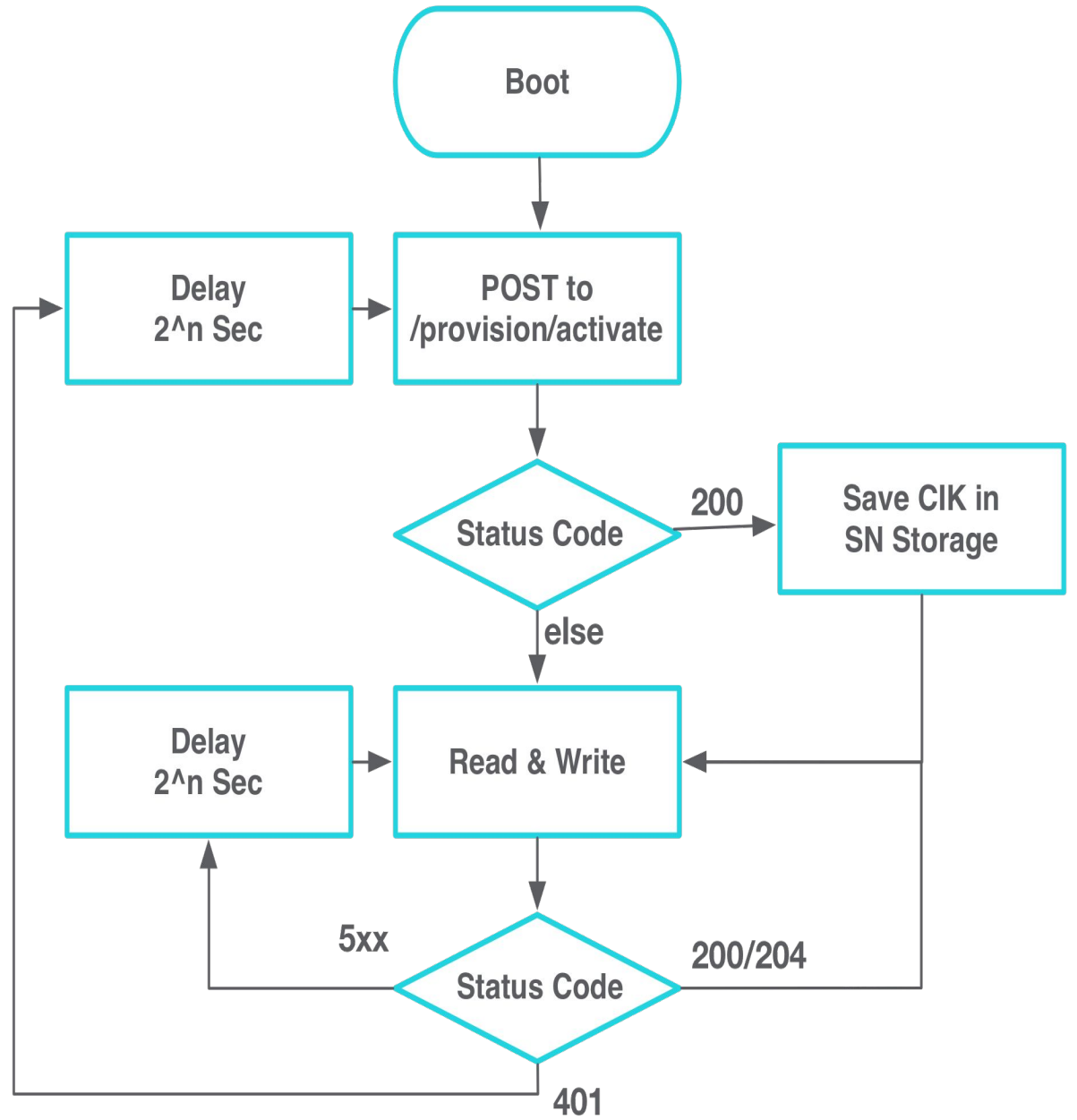
- [Introduction To Device Connectivity](#) - Start at the basics of device connectivity to Exosite's Platform
- [Getting Started with Portals Evaluation Web Dashboard Tool](#) - Using a free account, get a device added and start sending data
- [Getting Started using an Arduino YÚN](#) - Get a device added and start sending data
- [Videos](#) - Video tutorials covering various topics

ONE PLATFORM

Exosite's IoT Platform for Connected Products

- [One Platform Reference Guide](#)
- [Provisioning Articles](#) 
- [Lua Scripting Reference and API](#) - the One Platform Lua scripting environment





DEVICE API COMMAND

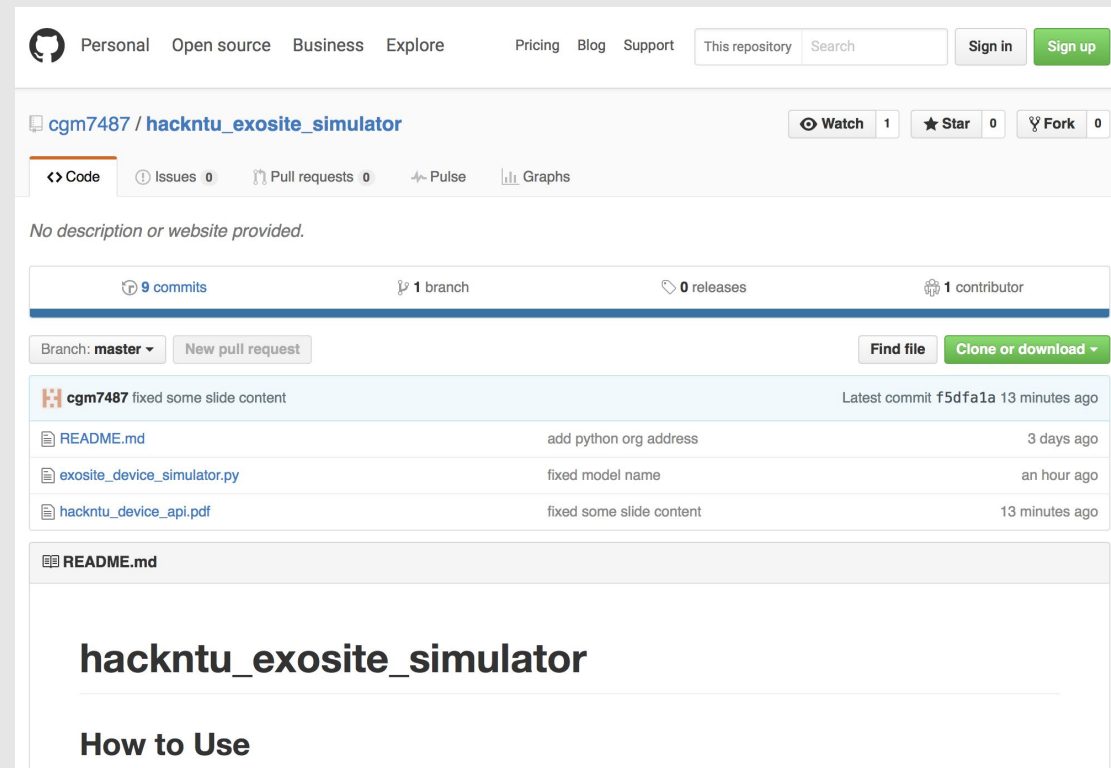
- Provisioning procedure
 - CIK
 - The unique identifier of the device in the Exosite cloud platform.
 - 40 bytes string data
 - “5d176e8ac18bb956077dab451348424475f36163”
 - Activate command
 - Vendor (Product ID)
 - hackntu2016
 - Model (Product ID)
 - iot1001
 - Serial Number (Identifier)
 - 00:12:34:ab:cd:e1

DEVICE API COMMAND

- Time series data procedure
 - <http://docs.exosite.com/http/>
 - Read
 - Read data from the cloud. (HTTP GET)
 - Write
 - Write data to the cloud. (HTTP POST)
- Long polling
 - Subscribe the data from the cloud

A SIMPLE EXAMPLE

HTTPS://GITHUB. COM/CGM7487/HACKNTU_EXOSITE_SIMULATOR



The screenshot shows the GitHub interface for the repository `cgm7487 / hackntu_exosite_simulator`. The repository has 1 watch, 0 stars, and 0 forks. It contains 9 commits, 1 branch, 0 releases, and 1 contributor. The latest commit, `f5dfa1a`, was made 13 minutes ago by `cgm7487` with the message "fixed some slide content". The repository files listed are `README.md` (added 3 days ago), `exosite_device_simulator.py` (added an hour ago), and `hackntu_device_api.pdf` (added 13 minutes ago). The `README.md` content is partially visible, showing the title `hackntu_exosite_simulator` and the section `How to Use`.

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No description or website provided.

9 commits 1 branch 0 releases 1 contributor

Branch: master New pull request Find file Clone or download

cgm7487 fixed some slide content Latest commit `f5dfa1a` 13 minutes ago

<code>README.md</code>	add python org address	3 days ago
<code>exosite_device_simulator.py</code>	fixed model name	an hour ago
<code>hackntu_device_api.pdf</code>	fixed some slide content	13 minutes ago

README.md

hackntu_exosite_simulator

How to Use

