Python

DRIVE LIGHTS USING PYTHON

How to access Philips Hue lights through Python and REST

POLITECNICO DI TORINO

e-Lite

Goals

- Create a REST client for the Hue bridge
  - Hue API documentation: http://www.developers.meethue.com/philips-hue-api
- Use the client for
  - Lighting-up all the lamps managed by a Hue bridge
  - Showing a color loop for 10s
  - Shutting down all the lights
- Use the client for
  - controlling the hue of a specific lamp connected to the bridge

Please, notice…

- For most "advanced" use of the Philips Hue, you can rely on a dedicated Python package
  - e.g., https://github.com/studioimaginaire/phue

- Another example of interacting with a REST service for turning some objects on/off
  - https://github.com/AmI-2017/python-zway
  - it uses Z-Wave devices

Result

- Checkout on GitHub
  - https://github.com/AmI-2017/python-hue

Questions?

01QZP AMBIENT INTELLIGENCE

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