Pencil Documentation

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Contents

1 Installation 3

2 Usage 5

3 API 7

4 Indices and tables 9

Pencil is a simple wrapper around Graphite URL API

You can report bugs and discuss features on the issues page.

CHAPTER 1

Installation

Either check out Pencil from Github or to pull a release off PyPI

```
pip install pencil
```

CHAPTER 2

Usage

Pencil is straightforward to use :

```
>>> from pencil import Pencil
>>> pencil = Pencil(begin="-12hours").set_title("Network").add_metric("front.network.
↪eth0.if_*").area_mode("stacked")
>>> pencil.url("http://graphite.local/render/", 510, 318)
'http://graphite.local/render/?fontName=Helvetica&lineMode=slope&from=-12hours&
↪target=front.network.eth0.if_%2A&title=Network&areaMode=stacked&graphType=line&
↪height=318&bgcolor=FFFFFF&width=510&template=alphas&fgcolor=000000'
```

CHAPTER 3

API

class `pencil.`**`Pencil`**(*begin=None*, *until=None*)

`add_deploy`(*deploy*, *colors=''*)
Add a deploy metric

`add_metric`(*metric*, *colors=''*)
Add a metric to image, may be either a graphite path or a function (such as avg)

`area_mode`(*mode*)
May be "none", "first", "stacked" or "all". This causes the area under lines to be shaded in, when using "all" you may need to use an alpha masked color

Default : "none"

`format`(*value*)
Set output format as "csv" or "json"

Default : None

`graph_type`(*value*)
Setup graph type, "line" or "pie"

Default : "line"

`hide_axes`(*boolean*)
Hides both the x and y axis labels as well as the background grid

`hide_legend`(*boolean*)
Hides the graph legend

`line_mode`(*mode*)
May be either "slope" or "staircase"

Default : "slope"

`line_width`(*value*)
Sets the line thickness, by default this is set depending on the size of the image

set_bgcolor (*color*)
Set image background color

Default : white

set_fgcolor (*color*)
Set font color

Default : black

set_font (*font*)
Set font for text

Default : "Helvetica"

set_template (*template*)
Used for alternate coloring schemes

Default : "alphas"

set_title (*title*)
Set the image title

set_vtitle (*title*)
Set the image vertical title

url (*base*, *width*, *height*)
Return image url based on the given URL for Graphite

y_max (*value*)
yMax set the maximun y-value for the generated image

y_min (*value*)
yMin set the minimum y value for the generated image

CHAPTER 4

Indices and tables

- genindex
- modindex
- search

Index

A

add_deploy() (pencil.Pencil method), 7
add_metric() (pencil.Pencil method), 7
area_mode() (pencil.Pencil method), 7

F

format() (pencil.Pencil method), 7

G

graph_type() (pencil.Pencil method), 7

H

hide_axes() (pencil.Pencil method), 7
hide_legend() (pencil.Pencil method), 7

L

line_mode() (pencil.Pencil method), 7
line_width() (pencil.Pencil method), 7

P

Pencil (class in pencil), 7

S

set_bgcolor() (pencil.Pencil method), 7
set_fgcolor() (pencil.Pencil method), 8
set_font() (pencil.Pencil method), 8
set_template() (pencil.Pencil method), 8
set_title() (pencil.Pencil method), 8
set_vtitle() (pencil.Pencil method), 8

U

url() (pencil.Pencil method), 8

Y

y_max() (pencil.Pencil method), 8
y_min() (pencil.Pencil method), 8