
Pencil Documentation

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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'
```


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 maximum 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`
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