
Pencil Documentation

Release 0.7

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Pencil is a simple wrapper around [Graphite URL API](#)

You can report bugs and discuss features on the [issues page](#).

INSTALLATION

Either check out Pencil from [Github](#) or to pull a release off [PyPI](#)

```
pip install pencil
```


USAGE

Pencil is straightforward to use :

```
>>> from pencil import Pencil
>>> pencil = Pencil(begin="-12hours").set_title("Network").add_metric("front.network.eth0.if_*").area()
>>> pencil.url("http://graphite.local/render/", 510, 318)
'http://graphite.local/render/?fontName=Helvetica&lineMode=slope&from=-12hours&target=front.network.'
```


API

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

add_deploy (*deploy, colors='', alias=None*)

Add a deploy metric

add_metric (*metric, colors='', alias=None*)

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

INDICES AND TABLES

- *genindex*
- *modindex*
- *search*