

Platys – Platform in a box

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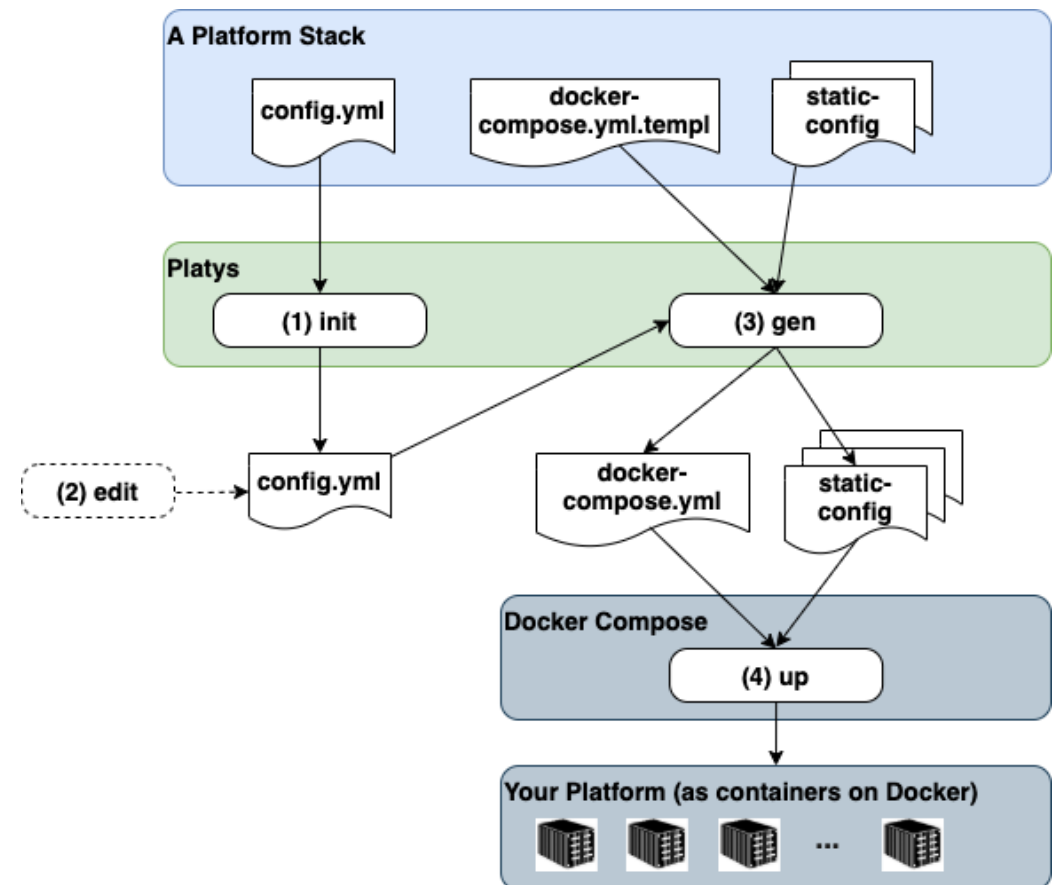
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trivadis

Trivadis platys – Data Platform in a Box



- a tool for generating and provisioning Modern Data Platforms based on [Docker](#) and [Docker Compose](#)
- main use is for small-scale Data Lab projects, Proof-of-Concepts (PoC) or Proof-of-value (PoV) projects as well as trainings
- A concrete *Platform* is always generated based on a given *Platform Stack*
- See [here](#) for how to install platys
- <https://github.com/TrivadisPF/platys>



Trivadis platys – How does it work?



1. Create a folder as your platform working directory

```
mkdir platys-demo  
cd platys-demo
```

2. Initialize the platform using the `platys init` command

```
platys init -n platys-demo-platform  
            -sn trivadis/platys-modern-data-platform -sv 1.2.0
```

3. A `config.yml` file is created locally, holding all the possible options of the modern-data-platform 1.2.0 stack. See [here](#) for a documentation of the various options.

Trivadis platys – How does it work?



4. Use an editor to set the needed services to `true`.

```
# Default values for the generator
# this file can be used as a template for a custom configuration
# or to know about the different variables available for the generator
platys:
  platform-name: 'platys-demo'
  stack-image-name: 'trivadis/platys-modern-data-platform'
  stack-image-version: '1.2.0'

# ===== Apache Zookeeper =====
KAFKA_enable: true
# one of enterprise, community
KAFKA_edition: 'community'
KAFKA_volume_map_data: false
KAFKA_broker_nodes: 3
KAFKA_delete_topic_enable: false
KAFKA_auto_create_topics_enable: false
```

Trivadis platys – How does it work?



5. Run `platys gen` to generate your platform

```
platys gen
```

6. A folder with the name of the platform is created and in which all the artefacts for the Docker Compose stack can be found
7. Navigate into that folder and start the stack using `docker-compose up`

```
cd platys-demo-platform  
docker-compose up -d
```

Trivadis platys – Tips and Tricks



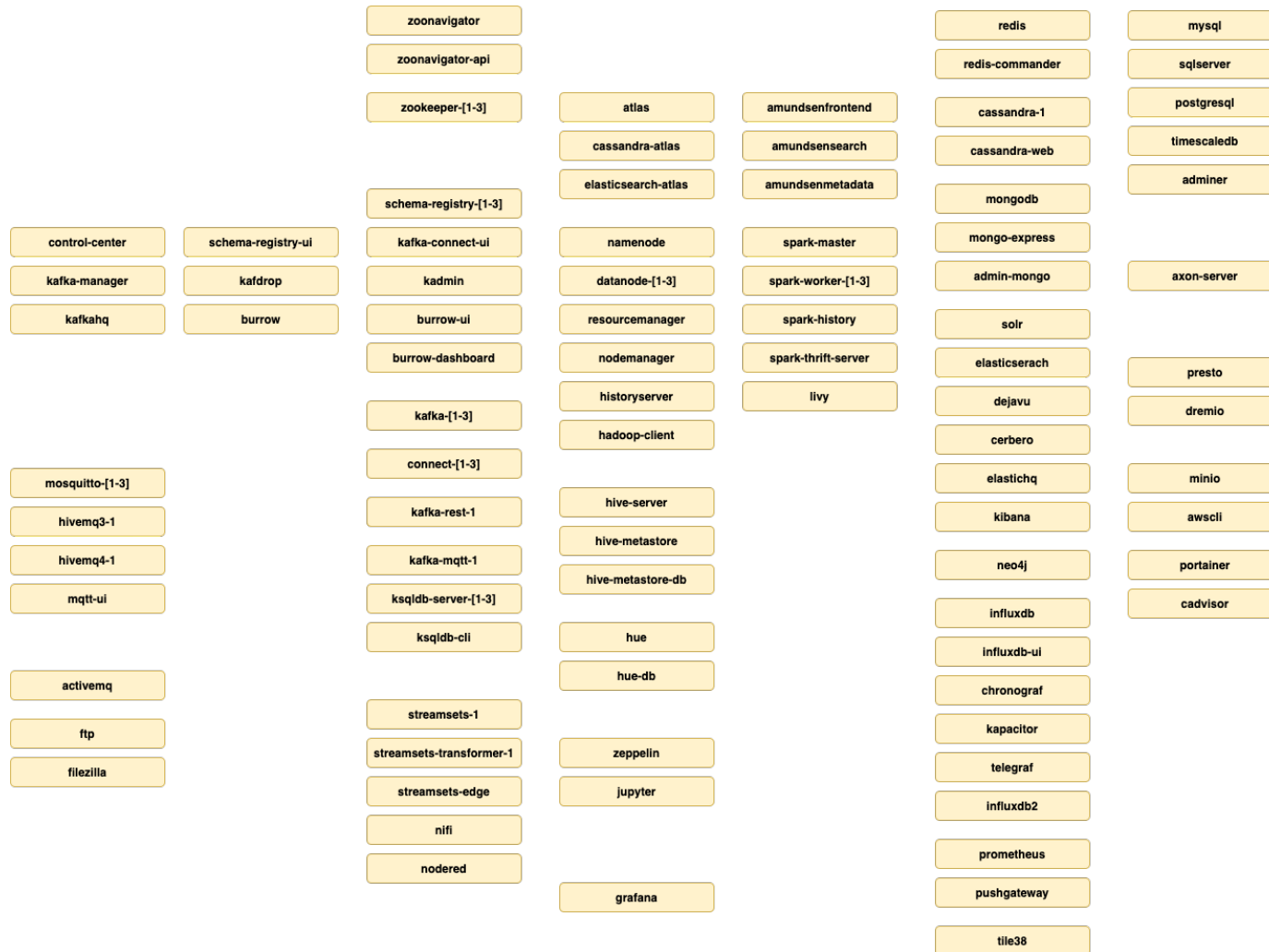
- In the init you can also pass a list of services to directly set to true to omit having to edit the `config.yml`

```
platys init -n platys-demo-platform  
            -sn trivadis/platys-modern-data-platform -sv 1.2.0  
            -f -s KAFKA,SPARK,JUPYTER
```

- You can list the available service of a given platform stack by using the `list_services` command

```
platys list_services -sn trivadis/platys-modern-data-platform  
                    -sv 1.2.0
```

modern-data-platform – Service Overview **trivadis**





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