

# Doing boring stuff in APL

User commands, HTTP and JSON





[illegible]







Phase 1 Problems.pdf X Project Fauxton - database/user X Splunk | The Data Platform for th X

https://www.splunk.com

splunk> Products Solutions Why Splunk? Resources Support Free Splunk

**The Splunk Platform**

**SPLUNK-BUILT**

- Security
- Observability

**COMMUNITY-BUILT**

- 2400+ Splunkbase Apps

**CUSTOM-BUILT**

- Build your own apps

Streaming | Machine Learning | Scalable Index | Search and Visualization | Collaboration and Orchestration

Logs Metrics Traces

Public Clouds Apps & Services On-Premises Data Centers Third-Party Tools Edge

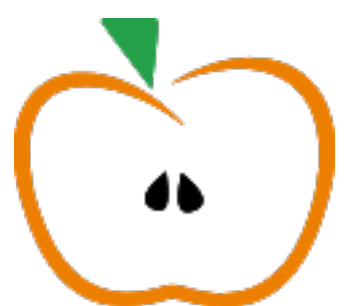
WHY SPLUNK?

**Innovation is**

**Unlock innovation**

Act confidently on every insight, thanks to a contextual view of your

Contact Sales





Phase 1 Problems.pdf

Project Fauxton - database/user

Grafana: The open observability

https://grafana.com

Grafana Labs

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# Your single pane of glass| stack

Operational dashboards for your data here, there, or anywhere

🌟🧰☁️🌟

The (actually useful) free forever plan

Grafana, of course + 10K series  
Prometheus metrics + 50GB logs  
+ 50GB traces

Create free account

(No credit card required)

Your data and tools

Your applications

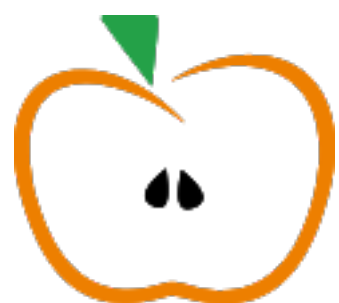
Your infrastructure

108

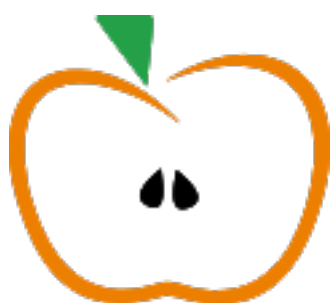
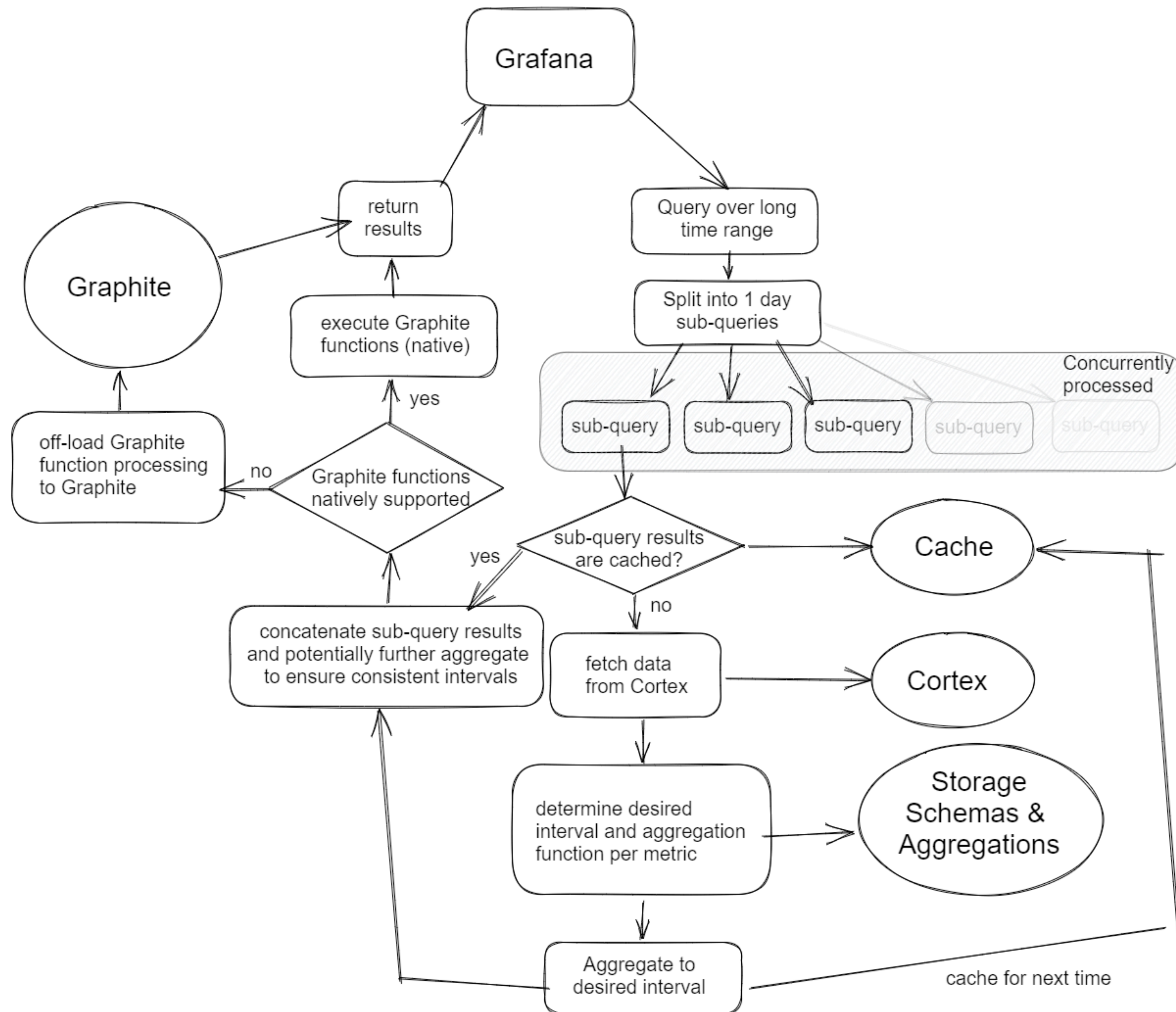
Metrics

Logs

Traces

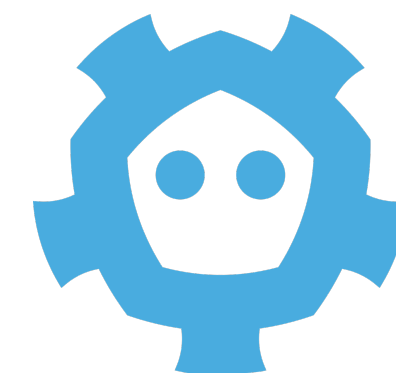
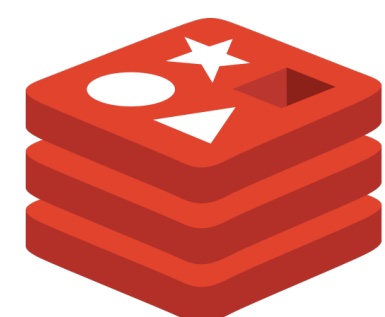








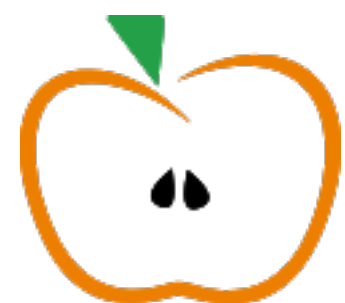
## Fault-tolerance



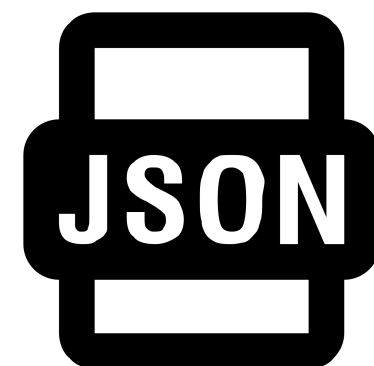








Dyalog



CouchDB



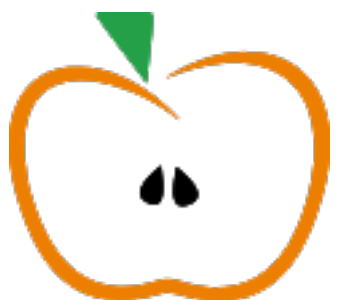
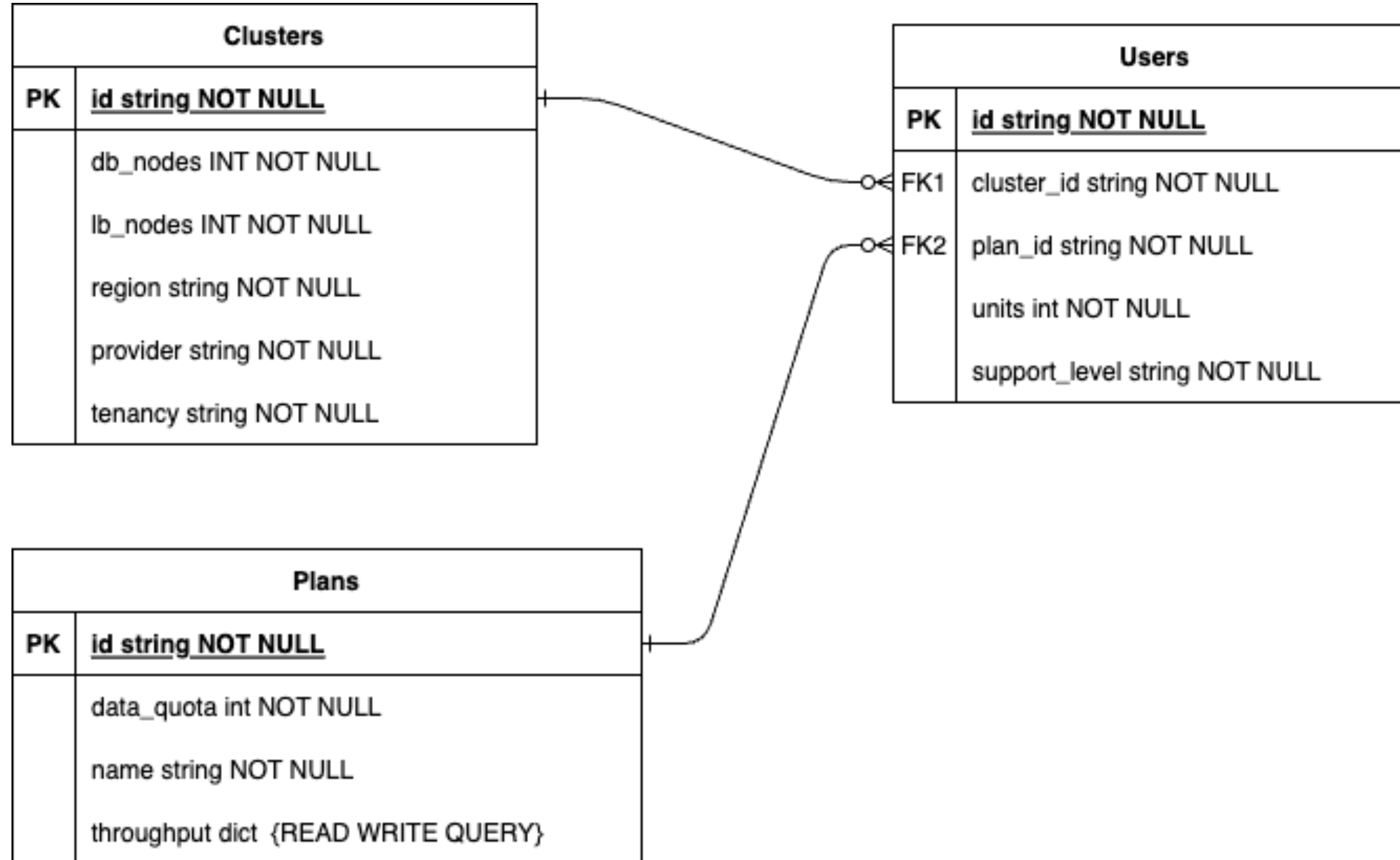
GET /{DATABASE}/{DOCID}



```
docker run --ulimit nofile=2048:2048 -d -p 5984:5984 \  
    --env COUCHDB_USER=admin --env COUCHDB_PASSWORD=admin \  
    couchdb --with-haproxy -n
```

[http://127.0.0.1:5984/\\_utils](http://127.0.0.1:5984/_utils)







Project Fauxton - database/user

127.0.0.1:5984/\_utils/#database/users/002d7285-97e1-42e8-adb7-6255d08519e1

users > 002d7285-97e1-42e8-adb7-6255d08519e1

Save Changes

Cancel

Upload Attachment

Clone Document

Delete

1

2

3

4

5

6

7

8

9

```
{
  "_id": "002d7285-97e1-42e8-adb7-6255d08519e1",
  "_rev": "1-9db0d98f71310e7eb5f1b99539292430",
  "support_level": "community",
  "cluster": "icp-cc-14",
  "plan": "free",
  "units": 1,
  "created": "2022-11-03 01:03:46.688448"
}
```

Fauxton on

Apache

CouchDB

v. 3.3.1

What's

New?

A stylized orange apple logo with a green leaf and a black seed.



Project Fauxton - database/clust X

127.0.0.1:5984/\_utils/#database/clusters/icp-cc-14

clusters > icp-cc-14

Save Changes

Cancel

Upload Attachment

Clone Document

Delete

1

2

3

4

5

6

7

8

9

10

"\_id": "icp-cc-14",

"\_rev": "1-397c05c98519add38170334f7fa46c61",

"provider": "CloudsRUs",

"lb\_count": 2,

"db\_count": 9,

"created": "2017-12-07T16:18:23-06:00",

"tenancy": "multi-tenant",

"region": "eu-fra"

Fauxton on

Apache

CouchDB

v. 3.3.1

What's

New?

A stylized orange apple logo with a green leaf and a black seed, located in the bottom left corner of the image.



Project Fauxton - database/plans

127.0.0.1:5984/\_utils/#database/plans/paid

plans > paid

Save Changes

Cancel

Upload Attachment

Clone Document

Delete

1

2

3

4

5

6

7

8

9

10

11

{

"\_id": "paid",

"\_rev": "1-53d7dfbc99860a77e03cd3f418981971",

"data\_quota": "20GB",

"name": "Paid Plan",

"throughput": {

"read": 100,

"write": 50,

"query": 5

}

}

Fauxton on

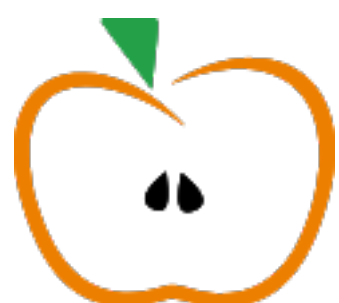
Apache

CouchDB

v. 3.3.1

What's

New?





The image shows a screenshot of a Dyalog APL/S-64 terminal window. At the top, there is a menu bar with various symbols for mathematical and logical operations. Below the menu bar, the text "Dyalog APL/S-64 Version 18.2.45505" is displayed, followed by "Serial number: UNREGISTERED - not for commercial use". A dashed box contains a message about the software's license: "Dyalog is free for non-commercial use but is not free software. A basic licence can be used for experiments and proof of concept until the point in time that it is of value. For further information visit https://www.dyalog.com/prices-and-licences.htm". Below this, the date and time "Wed Mar 22 13:00:16 2023" are shown. At the bottom, a status bar displays various system metrics: "&: 1", "DQ: 0", "TRAP", "SI: 0", "IO: 1", "ML: 1", and "Pos: 2945/2946,53".

## A User commands, HTTP and JSON

⚙️ &: 1 □DQ: 0 □TRAP □SI: 0 □IO: 1 □ML: 1 Pos: 2945/2946,53



**Let's wrap this up**

