

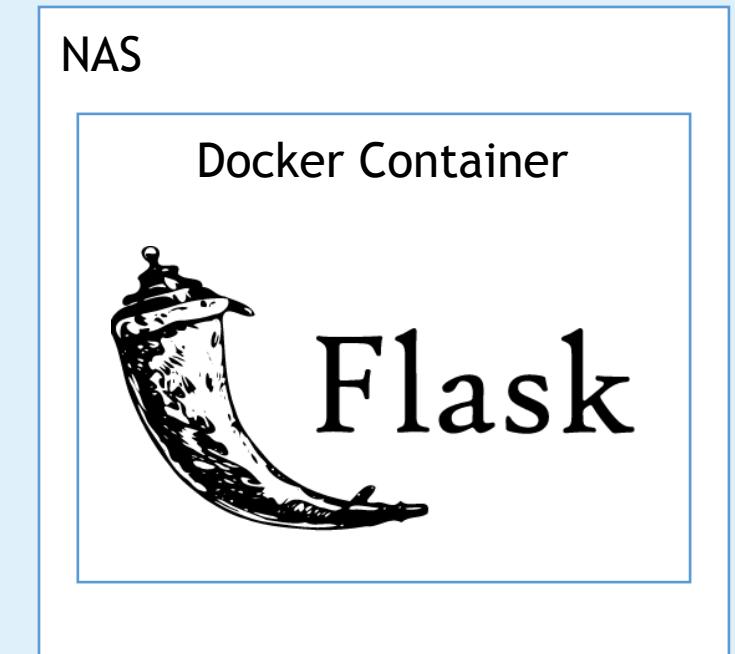
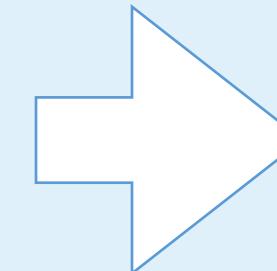
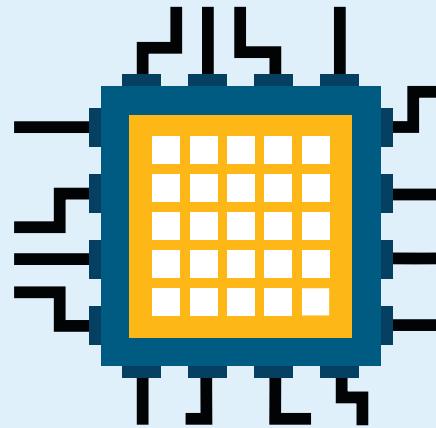
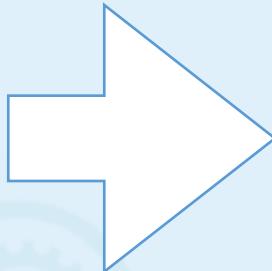


Aufbau einer Streaming und Analyse- Umgebung

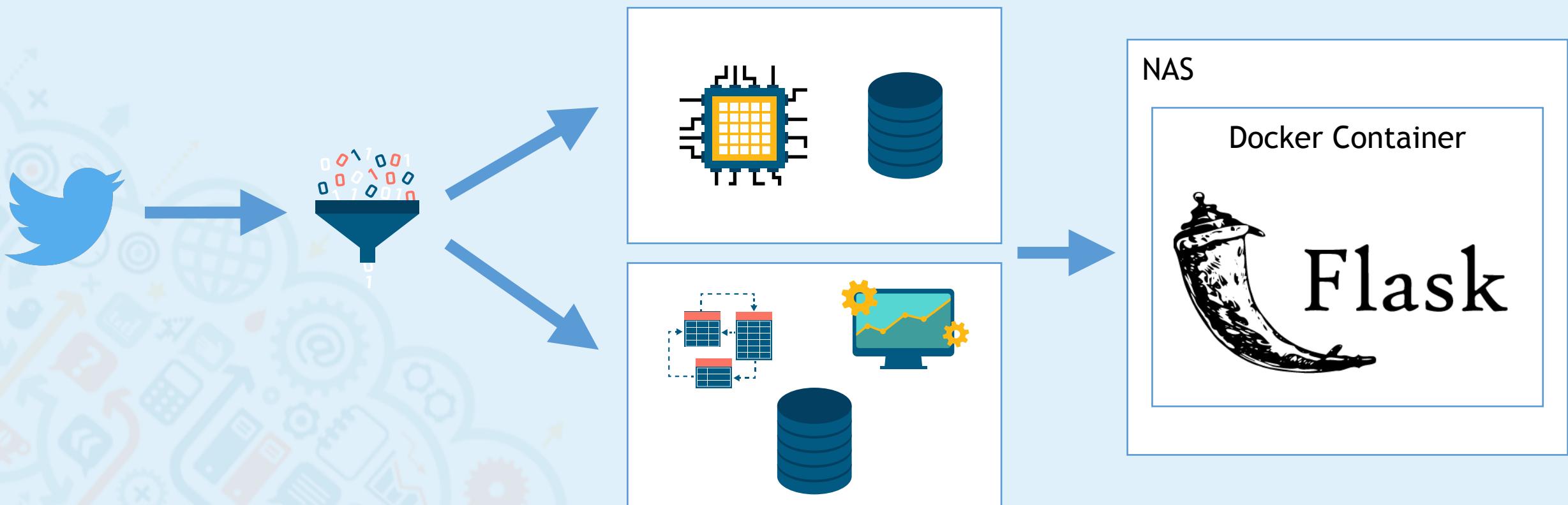
CAS Big Data FS 2019: Vorstellung der geplanten Semesterarbeit

Author: Verena Mai

Ausgangslage



Lösung

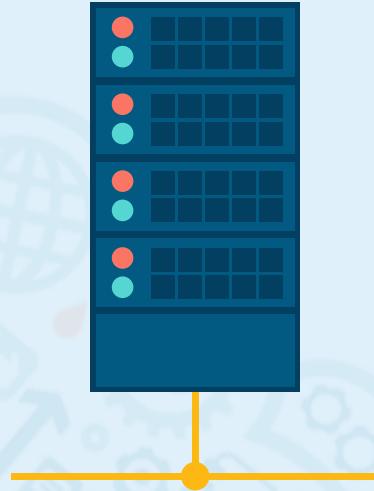


On prem

- nHex i3
 - 6 nodes
 - Intel NUC
 - X86_64
 - INtel Core i3 β
 - 12 cores, 24 threads
 - 96 GB RAM
 - 6 TB storage



Vorgehen



- Linux auf allen Nodes
- Docker swarm der 6 Nodes (1 = master; 5-6 = worker)
- Docker file(s) mit den gewünschten Applikationen
- Deployment
- Umgebungen, Datenablage und Streams einrichten
- Python Code von letzten Semester anpassen
- Dashboard erstellen

Quellen

- Template Präsentation: Free PowerPoint Templates - [prezentr.com](https://www.prezentr.com)
- Icons: Designed by macrovector / Freepik