

Toward an API-Driven Infinite Cyber-Screen for Custom Real-Time Display of Big Data Streams

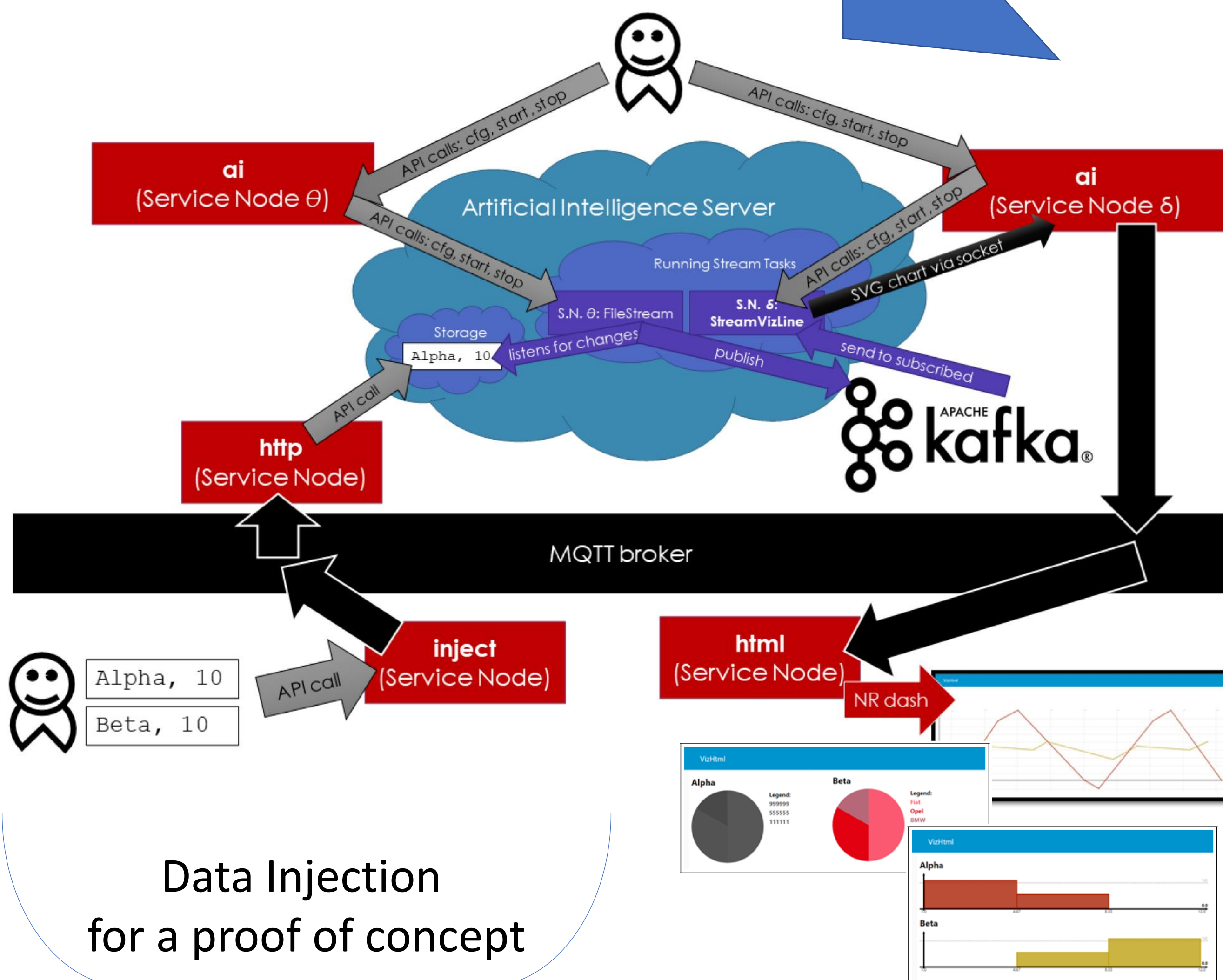
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Read from the same authors & J. Morgan:

- Ubiquitous System Integration as a Service in Smart Factories
- Advanced Analytics as a Service in Smart Factories

“The software libraries that are available at today are not suitable for displaying huge volumes of data in a single chart, because they require all the data to be collected at a single node.”



The proposed approach characterizes for being:

- Web-based
- API-based
- Cloud-based
- Portable
- Extendable
- Plug and play

and for relying on:

- Node-RED
- MQTT
- Scala
- Akka HTTP
- Spark
- Kafka
- Docker

Remarkably, the same network used for Big Data visualization can be extended and/or reconfigured from remote and used for (i) Big Data (streams) filtering, transformation, merge, analytics; (ii) training Machine Learning models; (iii) storing trained models on a Cloud storage; (iv) using stored models for one shot or stream predictions; (v) much more.