Leveraging Loklak to build applications and analytics with twitter data & Intro to Susi

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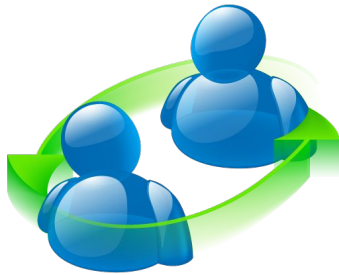
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What is Loklak ?

A distributed peer to peer system to collect and harvest tweets and microblogging messages

Peer to Peer

Performant tech stack
With Elasticsearch
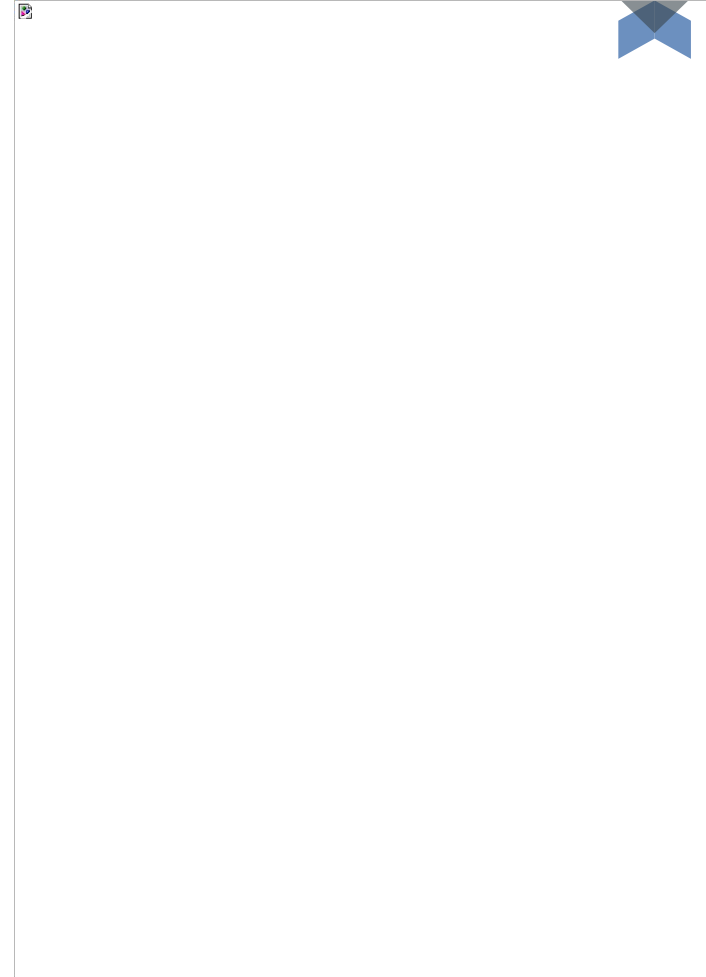
Community driven and Open
Source

How loklak works ?

Lets dive into the architecture of loklak

1. Completely Peer to Peer.

2. Extensible to other micro blogging or similar websites.

3. DDoS prevention.

4. Scalable database and modular architecture.

1.45 Billion Tweets Indexed

Publicly available.

Database Scalability

Being completely modular, it's easy to scale instances the way you'd want

BYOA - Combine	Easy exports	Partition and dedicate disk	Look for other peers

Build your own data architecture. Combine databases in the way you want.

Migrate the elastic search databases quickly.

Dedicate the amount of disk usage you want loklak to have.

Push data to peers and store data with them.

Analytics with Loklak

Combine the power of Kibana with Loklak

Currently we support upto Kibana 4.5.4 to make the visualizations required. It is simple to use Kibana to set up the visualization dashboards as required.

APIs Available

The loklak server supports multiple APIs like search, aggregate, peer to peer transfer etc..,

Building your own apps

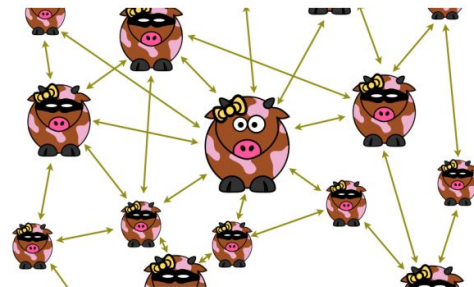You can directly plugin your apps to loklak using Angular js

loklak Search!

Use #hashtag ; "search text" for exact matches; near:location finds messages near a location; @user finds user mentions, from:user shows messages of a user; followers:user find followers of a user.

Distributed Social Media Message Search Engine

Some of the apps that have been built with the different open loklak APIs

Tweet Sentiment Visualizer

This is the sentiment analysis tool visualization for a tweet search text.

Step 1
Understand the type of data from loklak and make the correct queries.

Step 2
Use your own loklak server instance or query the hosted instance.

Step 3
Have your apps running with loklak.org backend or powered.

Artificial Intelligence

Lets dive into Ask Susi

With so much data that's collected, there is huge impact that could be delivered running machine learning and artificial intelligence on Ask Susi.

Lets dive into rule based learning of Susi Server.

Open AI Assistants

What can we do with open data access ?

Augmenting Human Intelligence.

Performing tasks and offering services.

Ability to build your own solution with open data.

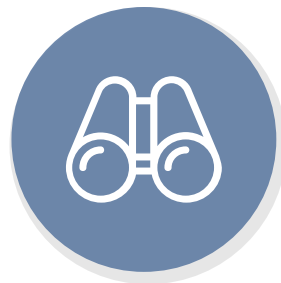Generating and curating questions and answers by crowdsourcing for easier access to answers.

Susi Dreams and Rule Building

Dreams are temporary Questions and Answer data sets for triggering susi to learn.

Easily Configurable

All you have to do is write a few lines on a text file and Susi is capable of answering your customer queries.

Look for other peers

Search and add resources which are available publicly to Susi server like DBPedia.

Future plans

1. **Adding IOT Support and using this as a backend data store.**

2. **Development of the newer scraper factories and bundling more data sources into loklak.**

3. **Implementing and enhancing the intelligence and capabilities of Susi AI.**