

Charlie Greenbacker Geo DC – 6 Feb 2012

What is CLAVIN?

Cartographic Location And Vicinity INdexer

Geoparser

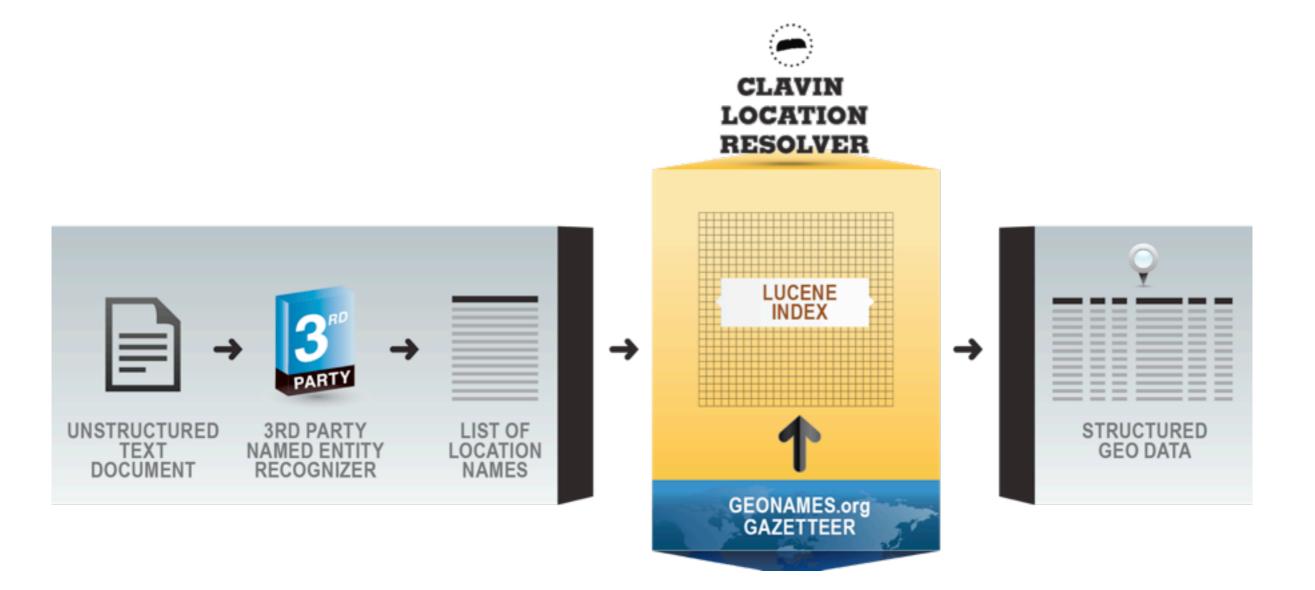
Extracts location names

Resolves geospatial entities

Open source

Runs on Hadoop

Under the hood



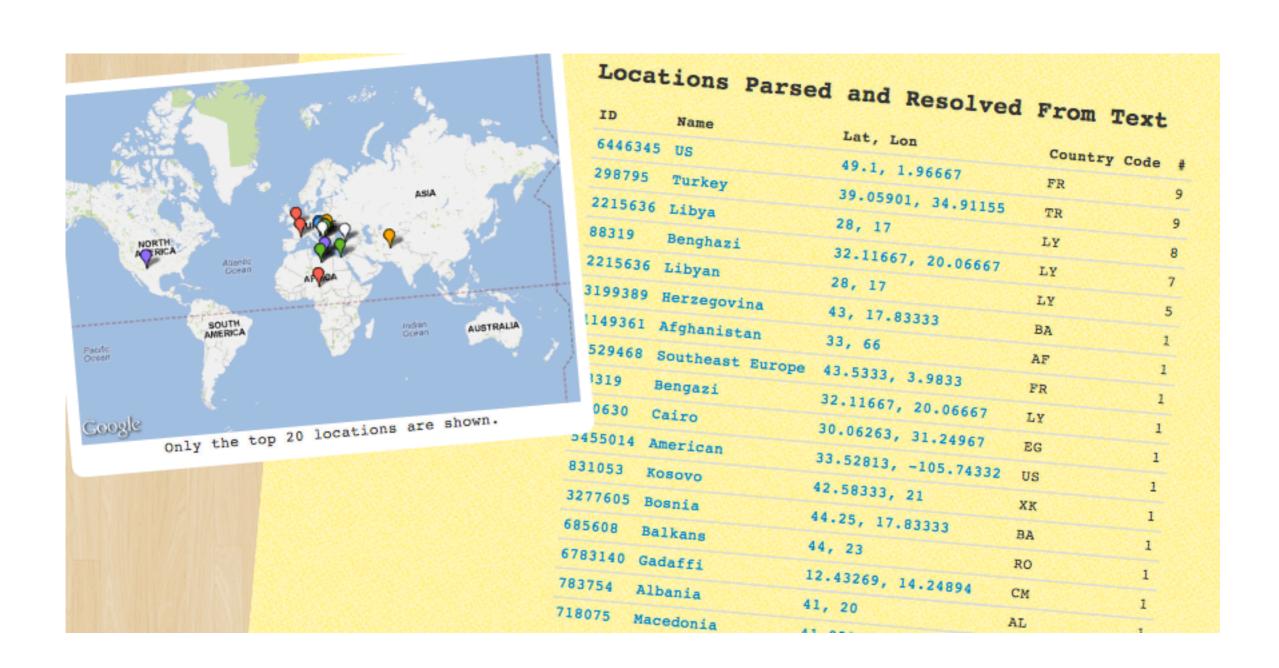
CLAVIN handles

Ambiguous references

Typos & phonetic spellings

"Ivory Coast" == "Côte d'Ivoire"

Demo Time!



CLAVIN stats

Accurate: 0.75 f-measure

Fast: 100 locations per second per CPU

Scalable: processes I million documents in under I hour on a 9-node Hadoop cluster

Free: zero licensing cost (Apache License)



- @CLAVIN___ (two underscores)
- @greenbacker
- @BericoTech (we're hiring!)