

f

sign in

End to End Graph Analytics Technology

discover
out of the box

sign up now - free beta

*f*edger.io

Dr. Claudio Huyskens
Cologne, April 2014

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```
MOV AX,0F79
MOV DS,AX
MOV AH,09
```

```
1 1 11 B 30 1E
2 2 12 C 40 28
3 3 13 D 50 32
4 4 14 E 60 3C
5 5 15 F 70 46
6 6 16 10 80 50
7 7 17 11 90 5A
8 8 18 12 100 64
9 9 19 13 500 1F4
10 A 20 14 1000 3EB
```

_host1(int sys, int parm)

160x80n"
a" (sys)
" (sys), "b" (parm));

```
110101010
101110010101010
0101
110
1010101010110
```

```
MOV AX,1234H
PUSH AX
MOV AH,09
INT 21H
POP AX
```

```
MOV AX,1234H
PUSH AX
MOV AH,09
INT 21H
POP AX
```

inline int call _host1(int sys, int parm)

asin ("int 160x80n"
:"a" (sys)
" (sys), "b" (parm));
return sys;

```
MOV AX,0F79
MOV DS,AX
MOV AH,09
```

```
1 1 11 B 30 1E
2 2 12 C 40 28
3 3 13 D 50 32
4 4 14 E 60 3C
5 5 15 F 70 46
6 6 16 10 80 50
7 7 17 11 90 5A
8 8 18 12 100 64
9 9 19 13 500 1F4
10 A 20 14 1000 3EB
```

```
1101010
1011100
0101
110
1010101
```



vision



End to End Graph Analytics Technology

Data
ingestion

Data
augmenting

Data
structuring

Data
delivery



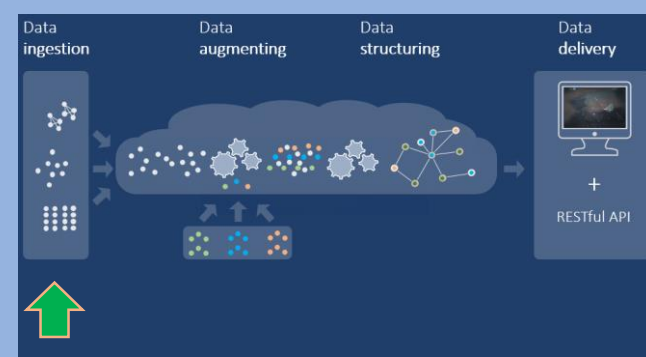
why?

graph databases alone

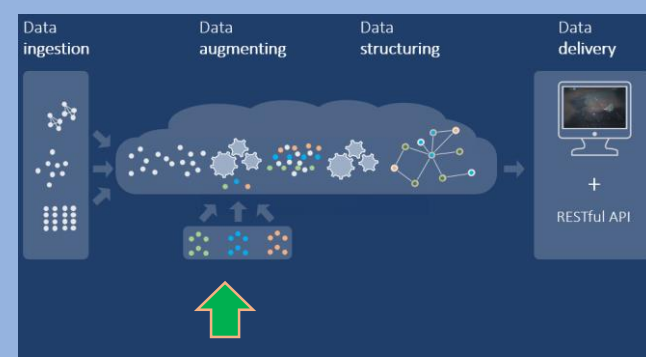


‘pretty useless’

We
need
applicability



1. Manage data sources

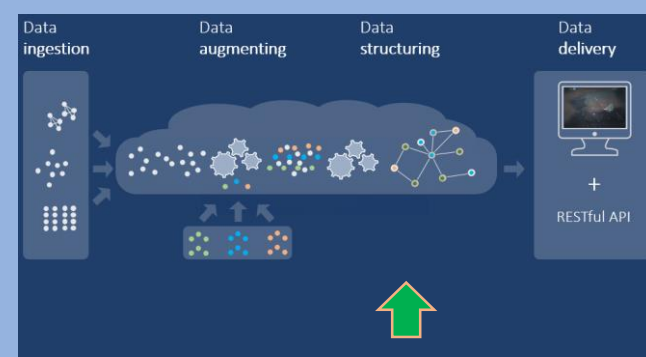


2. Disintegrate data

- Produce nodes & edges
- Merge data



Liability



3. Graph building

Basis for analytics ✓

And now?

Tough for pioneers



integrate

~~separate~~ Graphs



What's
the
plan?

Stack up
technology
mix

+

Build
interfaces



Solution



Prototype: startup ecosystem graph

Startup ecosystem

3.5 million entities &
7.5 million connections

*Private Beta
running*

Graph analytics

Discover relationships, patterns and connections
Optimal for Opportunity Seeking & Risk Detection

Uniqueness

Users can save, update, share and invite other users
to contribute to own watch lists and (graph) analytics

Available through web application & configurable RESTful-API

Current Challenges

Scaling graph web app/service

Solution

ArangoDB shards ✓

Snapshot of startup ecosystem graph



Prototype in action



User Account [gear icon]

Network Settings [gear icon]

Auto-Pilot [gear icon]

Best connections [trash icon] [gear icon]

Person
niclaus mewes



Person
niclaus mewes



Company
intelligent-apps-mytaxi



Company
daimler



Equity
tesla-motors

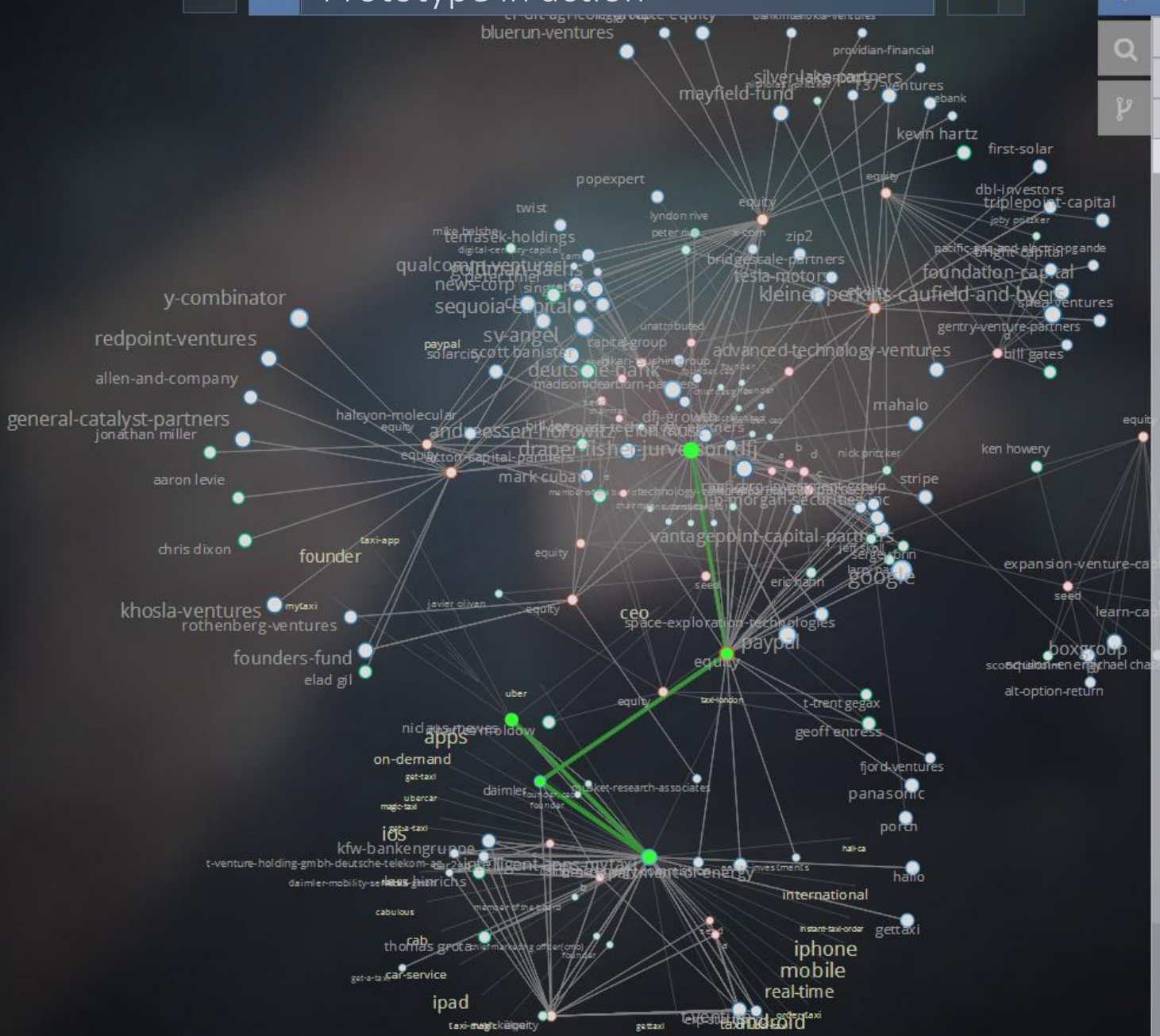


Person
elon musk



Person
elon musk

cancel





- Sign Out
- Account Settings
- Feature Overview

- My Lists
- My Routes
- My Config Schemes
- My Data Buckets
- My Graph Snapshots
- My Analytics Projects

- Create new ...
- Add to existing ...





sign in



the startup ecosystem graph

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