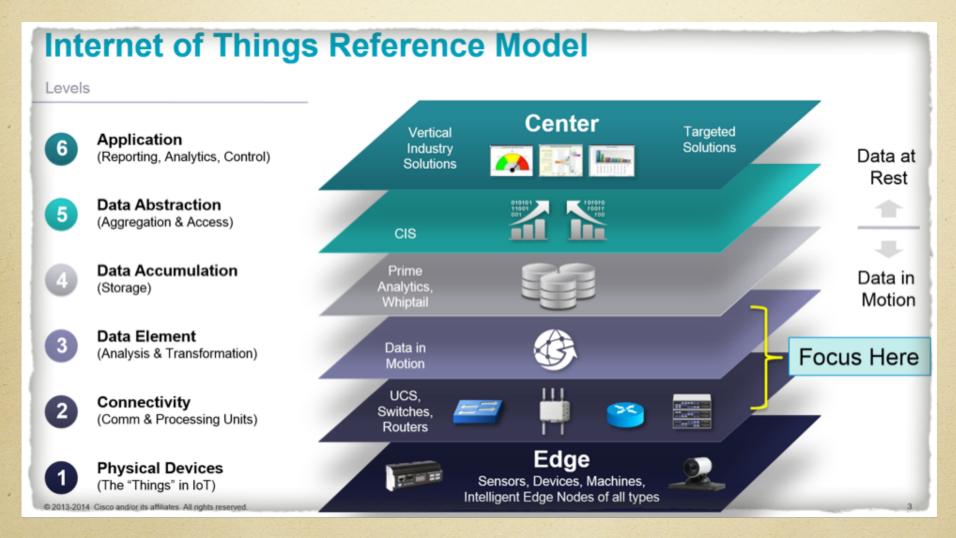
# IoT resource tree representation for massive data set

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#### What is IoT

> Internet of Things: information originating from a multitude of devices whose information is pooled and queried by applications.



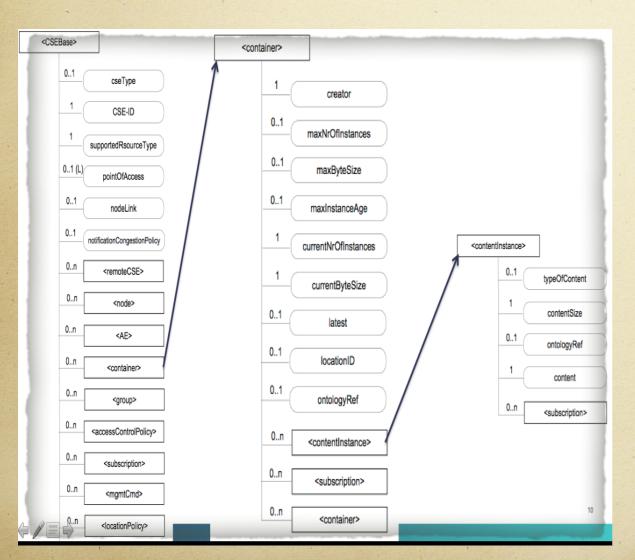
Source:

### Goals of the project

- >Visualization: represent 10 million+ nodes
- Latency Optimization: a quick response time on the client-side.
- Data Management: Create Update and Delete nodes from the tree

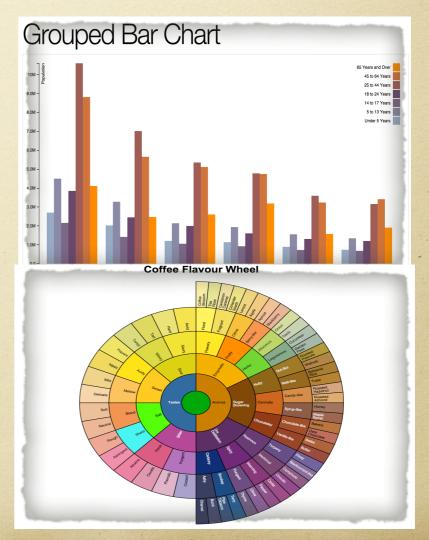
## Work towards a better visualization

Data Structure: a hierarchical resource tree



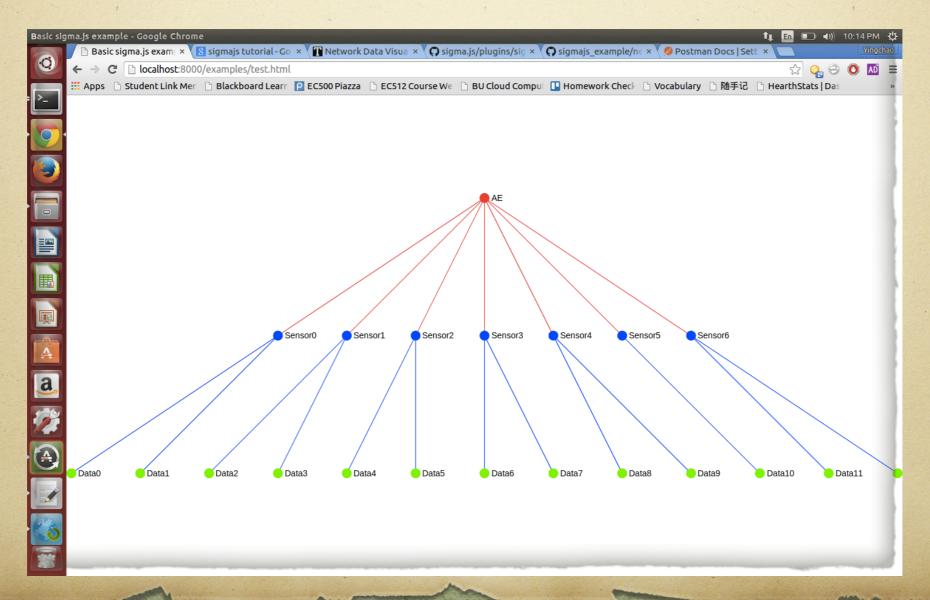
> Visualization Libraries:

D3.js/Yang.js/Sigma.js



### Solution Concept

- > Layer 1: visualization of AE and containers using sigma.js
- Layer 2: visualization of contentInstances



### Work for the next Sprint

- Get the visualization of the whole tree
  - · Generate dev tree using looped CRUD
    - syntax still evolving (weekly)
  - · Retrieve the data in JSON format
    - either pipe or encoding JSON file
  - · Implement "dynamic" data in Sigma.js via JSON