isme.interverse (April 2021)

Monday, April 5, 2021

3:04 PM

Making ISME work again, in a development environment, and then transferring its functionality over to Laravel. KEEP DATABASE SEPARATE FROM PRODUCTION. Copy Hess Iron Database over to a new schema called "Interverse"

Domain Name System (DNS) Coordinate Name System (CNS)

Software Address (IP) → Hardware Address (MAC) → Physical Location (GPS) → Postal Address

www(HOST) .co.york.pa.us.

Existing View (Page)	New View			
Index (Main Page)	Search Results			
Project Page	Detailed View (Inspector)			
	Manual Association Creator			

- Cache output from PHP/MySQL into NoSQL database (JSON objects). Create the big data from access record of sorts.
- "Callable" window that searches database (or cached search results) in the format "Name (Classification up the heirarchy). No constraints on what can be linked to what.
- Heirarchies and heirarchical contexts, for organization. Heirarchies are not 1-to-1.

Inspector

Fields and Forms

This page's permalink

This page's ID

Title

Description

Target

Checkbox - inherit properties

Export JSON document

Coalesce → make something concrete from just dynamic associations

Potential functions

Garbage cleanup (false or polluted data) ex: kittens associated with violence (but associated with funny? WILL NEED LOTS OF RECURSION.)

Graph visualizer

Computer vision tagging, general information compared against known contextual information (consult established APIs and join their output to the network)

Databases

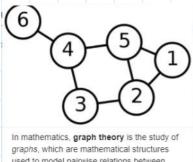
Apache CouchDB for NoSQL MySQL for RDBMS

isdev-redlion-lamp0 (isdevlamprl0)

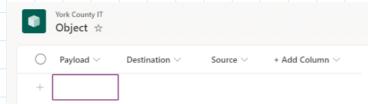


Render view \rightarrow coalesce, distill, filter down to relative information without spiraling outward infinitely, that's the trick. There has to be falloff of some kind.

Intuitive triggers for associated links, calls a process which also has a link.



graphs, which are mathematical structures used to model pairwise relations between objects. A graph in this context is made up of vertices which are connected by edges. A distinction is made between undirected graphs, where edges link two vertices



First, invent the universe.

Multiple domains can resolve to the single instance of a person or object, they are equivalent, but in different contexts. Let's work backwards from my own personal file structure. Let's center the entire operation on the human.

A single person is at the center of their universe, so we work outwards from the period at the end of the FQDN. A domain being a context.

Domains involved in my personal filesystem on OneDrive -

Pictures Pictures and videos of myself and others, sometimes screenshots. Captured light and sound

from a moment in time.

Legal

Legal documents regarding interactions with the State and

Domain theory - Wikipedia

Binary relations are used in many branches of mathematics to model a wide variety of concepts. These include, among others:

- the "is greater than", "is equal to", and "divides" relations in arithmetic;
- the "is congruent to" relation in geometry;
- the "is adjacent to" relation in graph theory;
- the "is orthogonal to" relation in linear algebra.

From <https://en.wikipedia.org/wiki/Binary_relation>

https://redislabs.com/modules/redis-graph/

Neo4j Download Center - Neo4j Graph Database Platform

4/14/2021 3:58 PM

Current version is 0.3.4. Was last working on AWS. Create a db user on my development database. Put in a private repository on GitHub?

New user for mysql on k8s0 isme/rm6CCB4vFP53

neo4j-test on microk8s on isrv-k8s0 on isrv-redlion-hypervisor1 neo4j/viking-latin-shelf-arctic-nevada-3727

Can't really work on this from fs0, the graphical demands are simply too much.

ISME is the interface for INTERVERSE, which is the repository of data and connections I can draw from to form conclusions about things. INTERVERSE will have a relational database, and a small, recallable search function to link things together. Graph DB will be Neo4j.

INTERVERSE - on mysgl and neo4j Laravel - INTERVERSE project

Got a scuffed Laravel install here, me putting a local mysql instance is messing with it, but I don't know the proper credentials for the one laravel sail pulls down.

You Don't Need Laravel Sail (rootdaemon.com)

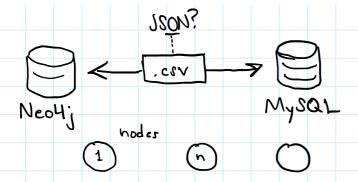
Graph Database (ISME) (Interverse)

Friday, April 16, 2021

12:04 PM

Neo4j - Import Data from a CSV File using Cypher (quackit.com)

CouchDB on Kuberneter API interconnectivity Evidence informs the model, which has predictive qualities. I'm glad I discovered these before essentially building a graph database from scrotch. Neo4j Cypher Refcard 4.2 Seems like people are dedicated to building the tools, but not the actual product. Scan a directory recursively to form a heirarchical structure. Nest; won't start on Darling Laptop Will start on wark laptop. Installed Canary Dev Version and its working on Kuberneter. I NEED MORE POWER. app. interversal. systems Laravel + Frontend Framework) MySQL Will need a PHP extension for Neolij. Map/model data in the Derktop app.



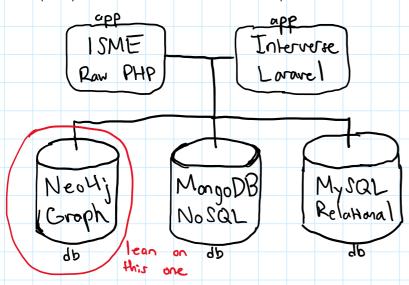
The new Laravel app will serve as an accessible front end to Neo4j. I will prototype and investigate new data collected from all of my jobs.

Ingest data, asset tags. Create a self-similar interface for traversing nodes and data.

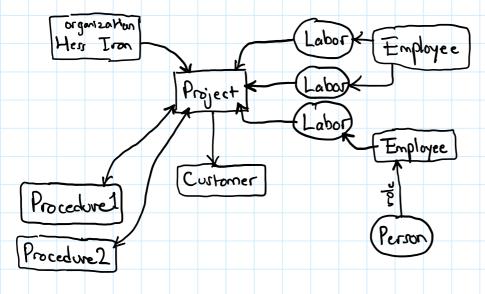
Relationship - congruent (work order and tickets)

4/19/2021 3:22 PM

Taking neo4j off of Kubernetes on isrv-k8s0 because I can't figure out how to do storage on it. Spun up a new container on a local docker snap.



Goal: insights into relationships between things.



Business Service - Tot Mapping

- Figure out hourly rate
- provide locally or cloud horsed interverses
- Interversal System ou a nonprofit or bushess?
- all nodes have a web page that links to other nodes. All nodes are presented on the same "plane"

BIM standards, international standards, create new standards

Relationships

- instance of ->

Class label

- instance - next -

Interverse Roles: ERP, CRM (it's all related)

COMPOSER - pulls from GitHub to current project - that's why evayone uses it.

LOAD CSV WITH HEADERS FROM

'https://neo4j.com/docs/cypher-refcard/4.2/csv/artists-with-headers.csv' AS line CREATE (:Artist {name: line.Name, year: toInteger(line.Year)})

From < https://neo4j.com/docs/cypher-refcard/current/>

ld		Naı	me		Year	
	1	ABI	ВА		199	92
	2	Rox	ette		198	36
	3	Eur	ope		197	79
	4	The	Cardi	gans	199	92

PHP: fputcsv - Manual

\$list = array (array('aaa', 'bbb', 'ccc', 'dddd'),

```
array('123', '456', '789'),
array('"aaa"', '"bbb"')
$fp = fopen('file.csv', 'w');
foreach ($list as $fields) {
    fputcsv($fp, $fields);
fclose($fp);
```

From < https://www.php.net/manual/en/function.fputcsv.php>

Neo4j only accepts CSV as a data ingest form. Need to pipeline that from MySQL, where my data is. Working currently in ISME.

Sixth normal form - Wikipedia Database normalization - Wikipedia Euler's identity - Wikipedia

We've been using spreadsheets to collect tax information since the 1700s, or even earlier. Time for a new way to organize data. Project CHIP - IoT smart home collaborative standard -

https://github.com/project-chip/connectedhomeip

IoT Leaders Join the Alliance's IP Working Group to Promote IP-Based Convergence for the Commercial Market - Zigbee Alliance

Big companies and big players involved in this project, and nobody is present.

Need natural language recognition to ingest data and form new structures

4/22/2021 9:11 AM

Complete breakthrough. Interversal Systems has been about connecting disparate worlds and industry, and now I just discovered the graph database. I am so inspired right now. And with IoT, I have a standard to look to for collecting data. All things can be linked.

VENDOR, INSTANCE_OF

Maybe even have a separate database just for connecting technologies... or not. LINK EVERYTHING. USE THE CPUs and GPUs.

Sales: A 3D graph visualizer. Compared to tax information/census data on microfilm. https://medium.com/neo4j/visualizing-graphs-in-3d-with-webgl-9adaaff6fe43 (8) Graph Visualization with 3D and React with Michael Hunger - Twitch Stream - YouTube neo4j - Check whether a node exists, if not create - Stack Overflow

When using MERGE on full patterns, the behavior is that either the whole pattern matches, or the whole pattern is created. MERGE will not partially use existing patterns — it's all or nothing. If partial matches are needed, this can be accomplished by splitting a pattern up into multiple MERGE clauses. http://docs.neo4j.org/chunked/stable/query-merge.html

MERGE (n)-[:know {r:'123'}]->(test2 {name:'2'}) will try to match the entire pattern and since it does not exist, it creates it. What you can do is:

MERGE (n {name: '3'}) //Create if a node with name='3' does not exist else match it MERGE (test2 {name:'2'}) //Create if a node with name='2' does not exist else match it MERGE (n)-[:know {r:'123'}]->(test2) //Create the relation between these nodes if it doe

