Nivio Internal Flow

Source Loading

Iterate all sources → Determine source format → Factory provides loader for format

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Loader provides ItemDescriptions

SEED URL → Configuration
- Config
- Source References

→ Source Loading → "Environment"
- ItemDescriptions

↓

Resolvers

↓

Landscape Graph → Assessment

↓

Map

Resolvers

Apply template values → Map special labels to fields → Create items instantly if greedy → Find relations

↓

Find "magic" relations ← Resolve grouping queries ← Diff items ← Add missing groups

↓

Add regular relations → Enrich data based on semantic links

TODO.
e.g. code analyis [#97]

Assessment

Initiate configured KPIs → Recursively visit all landscape components

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Collect Assessment Map ← Apply each KPI

Map

Group Items → Layout inside single groups → Obtain sized group containers → Relations between groups

↓

"FinalGraph" (V1) ← Add items into group containers ← Force-directed Layout of group containers

↓

Projection onto Hexagon Map For better appearance → Draw relations using A* pathfinding → Add some eye candy