Resources (URNs: Data / Transforms)

. ID, Occurrence, Role (type/kind), Statement (Association), Graph (fragment).

. Events : (eventName, ResourceType<Consumes, Produces> Content Types).

Outputs feedback to Main Event Loop onResource(ResourceType, Consumes, Produces) for further augmentation. Resource transform / augmentation logic in each event handler.

ID::onOccurrence(Occurrence) : Role.

Occurrence::onRole(Role) : Statement

Role::onStatement(Statement) : Graph (fragment).

Statement::onOccurrence(Graph) : Graph (full).

Graph::onStatement(Statement) : Graph.

Content Types

Representations<ContentType>

. Models

Transforms

Main Event Loop: Naming, Registry, Index stream steps pipeline.

Datasource input, Producer output.

onResource(Subject, Predicate, Object) :

Subject/Predicate/Object::onOccurrence(Statement) : Roles

Statement::onRoles(Roles) : Statements

Resulting Graph fragments Statements::onOccurrence(graph).

Naming: URN Crafting / Matching. Aggregation (type / state / order inference).

Registry: Resource Repository. URNs Resolution / CRUD. Alignment (equivalence / upper matching, link prediction).

Index: Resource Contents URNs Resolution (inferences, transforms). Activation (possible verbs / state changes / transforms).