* Canonical Statement:
* (C, S, P, O);
* Canonical Type Statement
* (Type, Resource, Attribute, Value);
* Canonical Subject Statement
* (Resource, Type, Attribute, Value);
* Type centric Statement (Dimensional)
* Subject centric Statement (Discrete)
* Reification: Meta Models, Statement Layers Roles
* Layers: Data, Schema, Behavior
* Upper Hierarchies of Metaclass, Class, Instances, Contexts, Roles, Occurrences in Layers Contexts Statements. Meta Model Primitives: Layers Templates.
* Encodings
* Functional API Mappings: Monads / Transforms Model / Domains Dataflows.
* Layer Templates
* Declarative HATEOAS Endpoint
* Functional DOM Client / Server Facade
* Local Client Features Facades. Plugins. Generic REST. ESB Message Templates. Adapters. Local Services Facade (RDBMS, REST, Soap, WSDL, etc.) emulating augmented original sources
* Augmentation Layers:
* Type centric Statements (Dimensional)
* (T: Dimension, D: Measure, P: Unit, D: Value);
* Subject centric Statement (Discrete)
* (D: Relation, T: Relationship, P: Predicate, D: Value);
* Upper Kinds Hierarchies of Metaclass, Class, Instances, Contexts, Roles, Occurrences Meta Model Primitives in Layers Contexts Statements.
* Data, Schema, Behavior Layers Augmentation Statements shifts Quads Statements Resources from more specific to more upper and general ontology Contexts Roles (primitives). Aggregation.
* Upper Ontologies: From Primitives to Form Gestures.
* Canonical CSPO Statements Reification / Rendering (aggregation / expansion) of Type / Subject Statements.
* Layers Augmentations. Data, Schema, Behavior Statement Layers Meta Model Primitives Roles (Types) Shifting on each Layer Aggregation.
* Model Augmentations / Domain Augmentations. Transforms. Templates. Matching Data Instances (Functor / Mapping) domain / range types / values dataflow data / schema / behavior.
* Templates Statements basic application: between two Statements: given a Template Statement relation URN (i.e.: common superclass, common occurrence context, etc.) Aggregates Aligned Activated Schema results. Nested URNs (context).
* Encoding URN to / from Statements: Dataflow Encoding. Infer Possible Model / Domain Functors / Transforms. Statement Layers, Meta Model Roles: routes / paths (recurse) Zippers. Resolve IDs / URNs Mappings.
* Upper / Matching (Business)
* Units of Measurement (continuos) APIs / Ontology.
* Discrete (events) APIs / Ontology.
* SAIL Layers (Storage and Inference Layers):
* Ternary Backend SAIL
* Sets Backend SAIL
* Statements / Quads Backend SAIL
* Services / Layers Quads Protocol.
* Layers Backend Components (Quads I/O) Services:
* Quads: Services / Layers Protocol
* CDI: Signatures Functional Dataflow Injection / Bus Resolution.
* Aggregation Statements Types:,
* (Kinds / Types, Object / Resource, Predicate / Arc, Object / Resource);
* (Object / Resource, Kinds / Types, Predicate / Arc, Object / Resource);
* Aggregation Statements Types:
* (Kinds / Types, Object / Resource / Predicate / Arc, Object / Resource);
* (Subject / Context, Kinds / Types, Predicate / Arc, Object / Resource);
* Reification. Infer Kinds / Types vía repeated matching of Statements Attributes occurrences. Quads Encoded. Attribute relation: Mapping from and edge of whim an Arc / Predicate is source.
* Encoding: Reification of Statement types to canonical form:
* (Context, Subject, Attribute, Value);
* Aggregate / de Aggregate mappings expansions.
* Operations: Monads, Transforms, Dataflow. Templates / Mappings for processing representations. TODO.
* Data Matching Services (Nodes / Resources)
* MVC: Model; Index Service
* DCI: Data; Index Service;
* Schema Matching Services (Kinds / Types)
* MVC: View (flows / prompts); Registry Service;
* DCI: Context; Registry Service;
* Behavior Matching Services (Predicates / Arcs)
* MVC: Controller; Naming Service;
* DCI: Interaction; Naming Service;
* Augmentations:
* Alignment (Data Matching)
* Activation (Schema Matching)
* Aggregation (Behavior Matching)
* Index Service
* Naming Service
* Registry Service
* DDD (Meta Circular Interpreter) : Code as Data.
* Prompts / Flows: View Forms.
* Meta Model : Dataflow
* Use Cases
* Kind / Type Sets / Quads: Resource : Statement
* Kind / Type
* Statement:
* (Context : Statement, Subject : Resource, Attribute : Kind, Value : Resource);
* Value Resource according Kind (Roles) Statement Subject occurrence.
* Sets: de aggregated Statements. Reification. Layers (Models) expands Statements for each Kind Attribute.
* Graph:
* (Context : Type, Subject : Node, Attribute : Arc, Value : Node);
* Kind / Type: Aggregated Attribute / Arc occurrences. Type Inference.
* Type Context Arcs Expansion. Augmentations.
* Translation Layers:
* Ternary Translation Layers:
* Input: Parse Quads : Emits Graph Statements Roles.
* Augmentations
* Output: Visit Ternary Mappings. Emit Statements.
* Sets Translation Layers:
* Input: Parse Quads : Emits Graph Statements Roles.
* Augmentations
* Output: Visit Ternary Mappings. Emit Statements.
* Quads Translation Layers:
* Input: Parse Quads : Emits Graph Statements Roles.
* Augmentations
* Output: Visit Ternary Mappings. Emit Statements.
* Ternary Translation Layers:
* Augmentations / Matching.
* Ternary: (Sign, Concept, Value);
* Resource Roles:Ontology Matching: Wrapper / Wrapped Types.
* Data, Schema, Behavior Monads / Functors.
* Object, Concept, Value Roles.
* (object) : (type) : (arc)Arc : Type object occurrences.
* Property Graph Nodes / Arcs Quads Augmentation I/O: Rendering / Parse. SAIL Backend specific encoding / transform.
* Encoding / Matching:
* Functional Primitives: (Matching). Graph Shapes Model. Layers. Example: reify / render / match "uncle" relation / "marriage" situation from graph statements.
* Primitive slots template Quads (Roles) populating "shapes" matching promps / flows / state transitions.
* Metaclass
* Class
* Instance
* Context
* Role
* Occurrence
* Primitive Relations.
* Functional Transforms: Browse State / Traversal. Navigational Context (Primitives State) Builder of Mappings (Templates).
* Augmentations: Matchings.
* Abstract Functional Quads encoding / representations.
* Functional DOM REST HATEOAS Facades. Discovery.