iot.schema.org

Community Work

Current Layers of iot.schema.org

Core Model

Domain Model
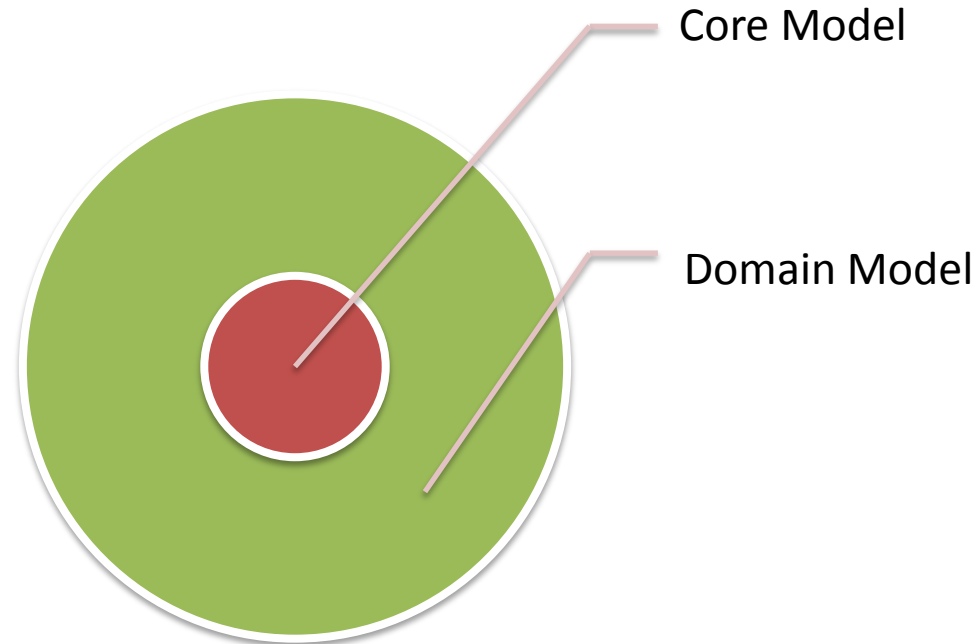
- Formats: Turtle and JSON-LD
- Conversion can be automatically generated using: https://github.com/stain/owl2jsonld
- Namespaces: iot: http://iot.schema.org/core
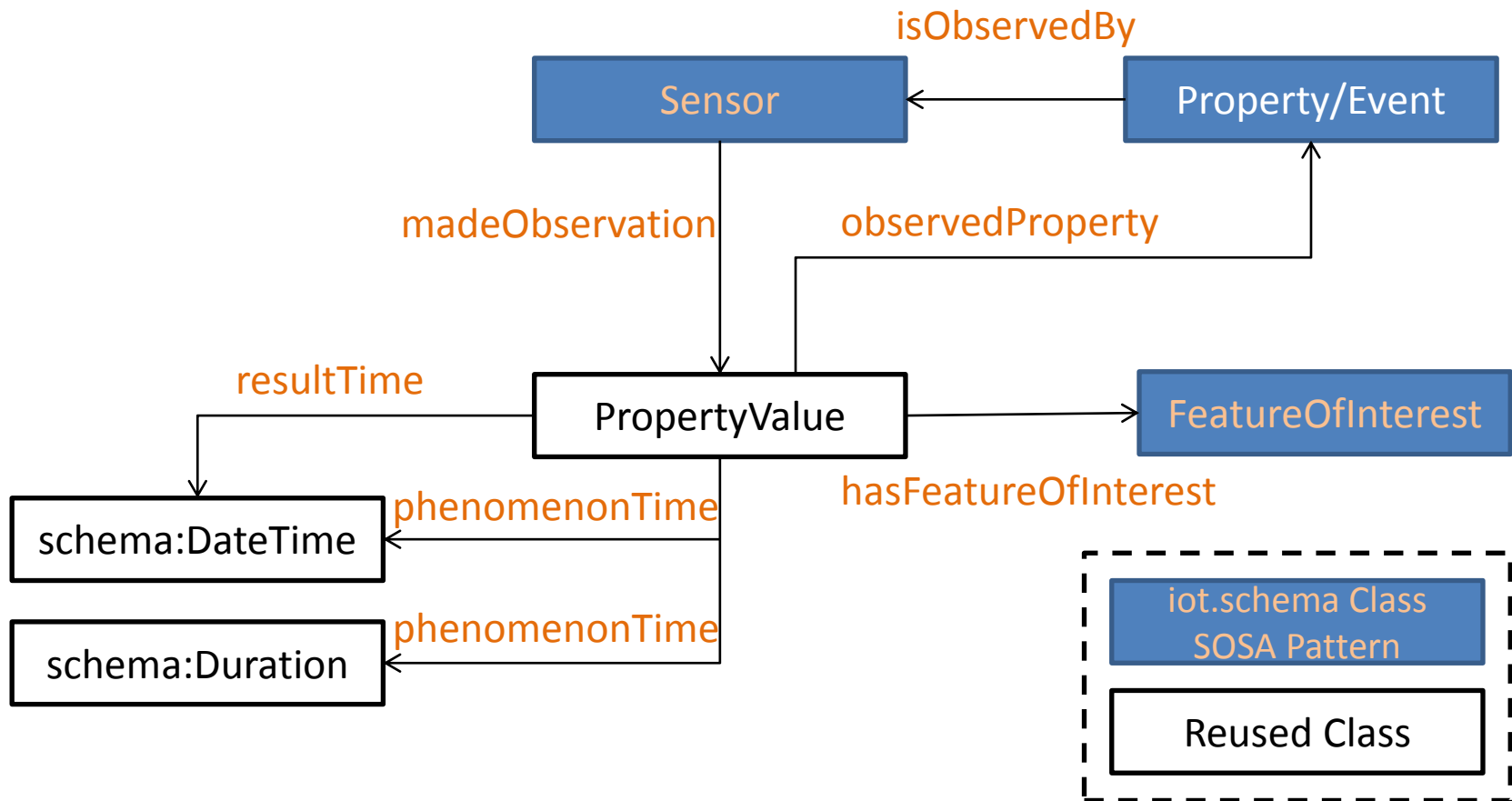 building: http://iot.schema.org/domain/building

Core Model

- **Core Model** follows a pattern-based approach. It describes **things** and their **environment**:

  - Common Pattern: a thing abstracted through its Capabilities, Properties, Actions, and Events;

  - Observation and Actuation Patterns: a W3C SOSA-based pattern extends Common Pattern with a horiz. vocabulary;

  - Location Pattern – work in progress

Domain Model

- Domain Model is a specialized vocabulary for a certain domain:
  - Smart Home/Building
    - MotionDetectionCapability
    - LightSwitchCapability

SOSA Observation Pattern

SOSA Actuation Pattern