OOA of MASL

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OOA of MASL

outline

- goals
- strategy
- OOA of MASL
- MASL loader
- next steps

goals

- capture MASL as a model
- parse and load correct MASL
- anticipate cloud architecture

strategy

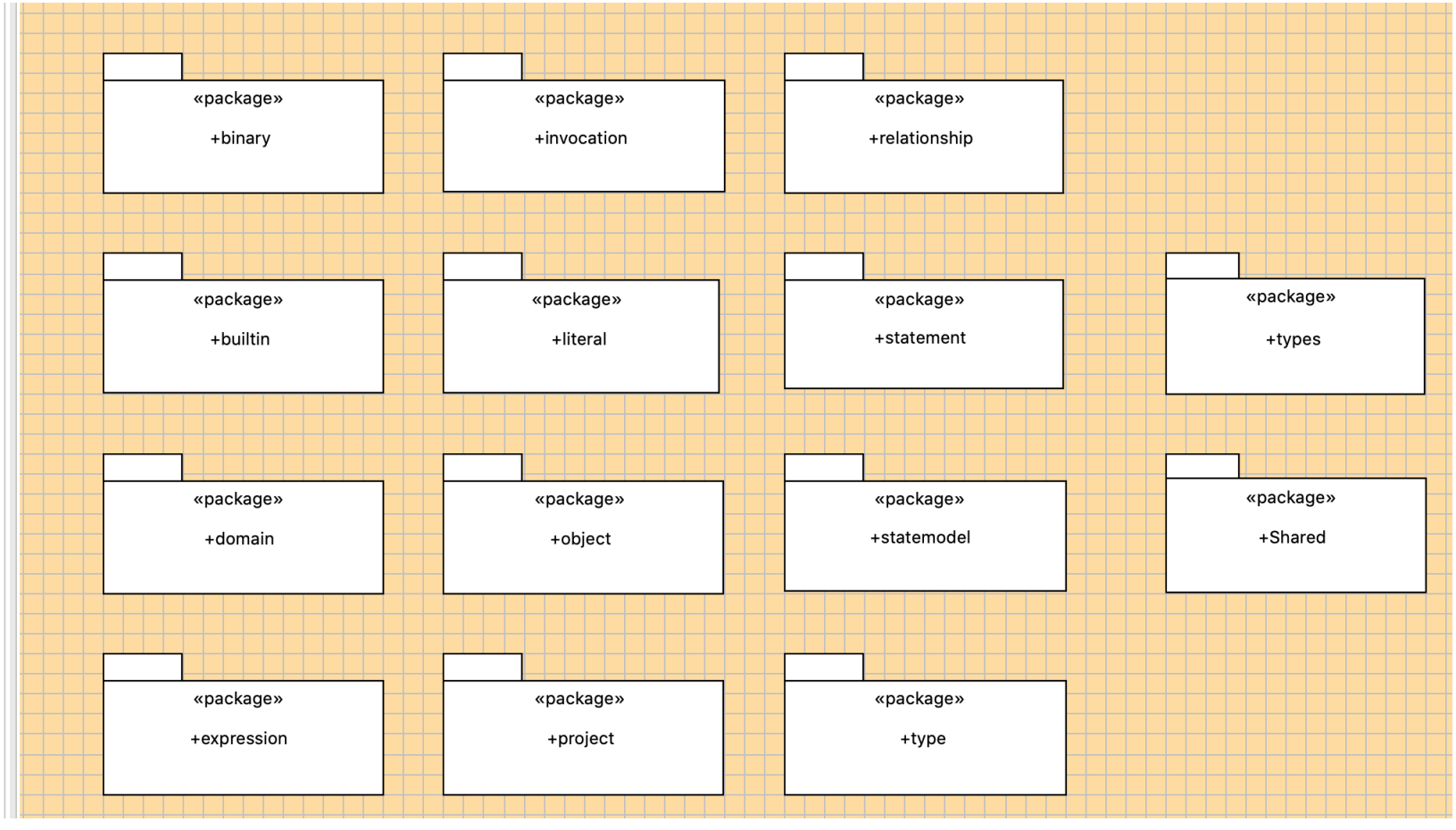
- port MASL model compiler java model
- leverage working starting point
- low-risk with huge number of artifacts
- script conversion of java to MASL
- import into BridgePoint
- refine with action language

OOA of MASL

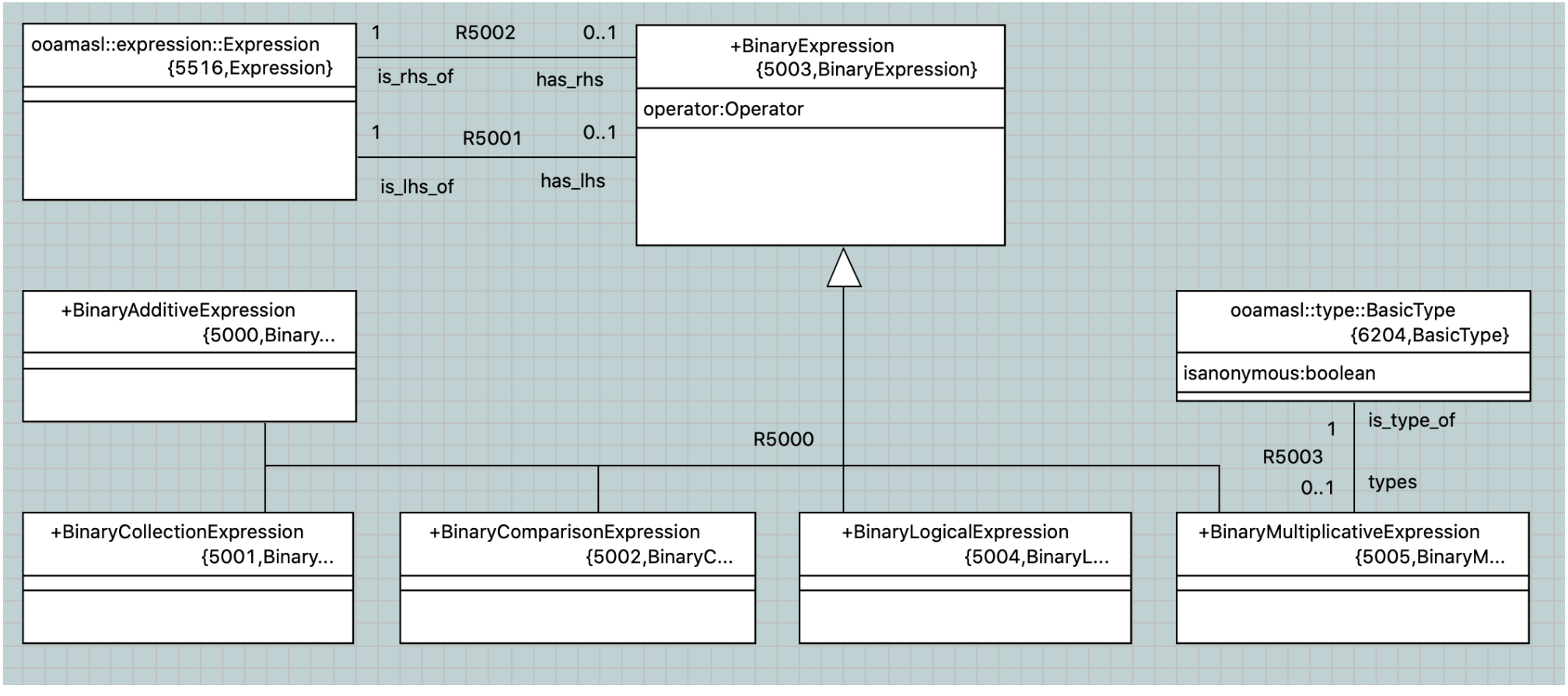
- deployment component (ME and canvas)
- Show ooamasl subsystem packages (ME and canvas)
- Explain "naked" OOA.
- Explain package references.
- tour of each subsystem

OOA of MASL: ooamasl packages

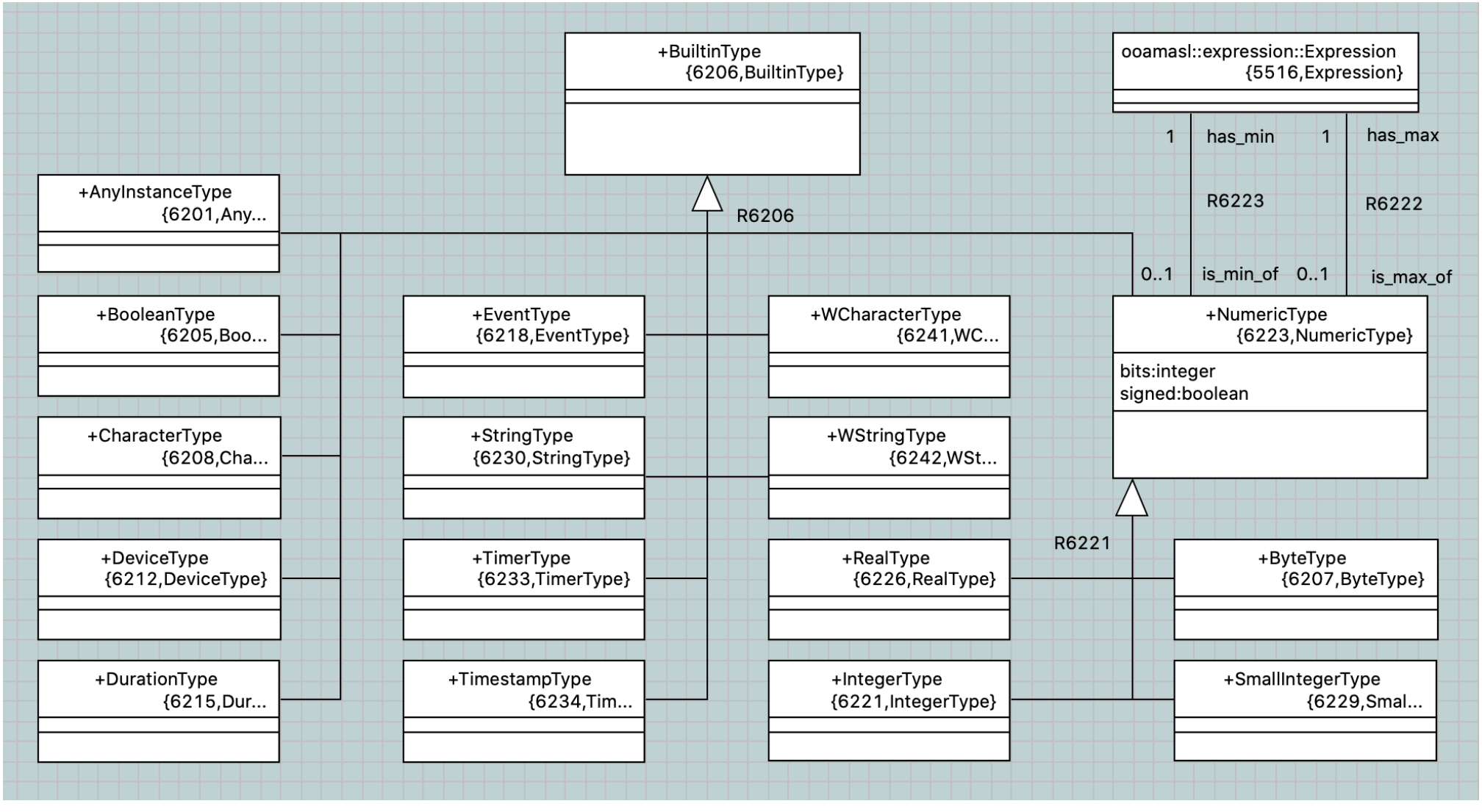
- ooamasl [mc 11745_loadmasl3]
  - binary
  - builtin
  - domain
  - expression
  - invocation
  - literal
  - object
  - project
  - relationship
  - Shared
  - statement
  - statemodel
  - type
  - types
- runtime [ciera master]
- > stratus [mc 11745_loadmasl3]



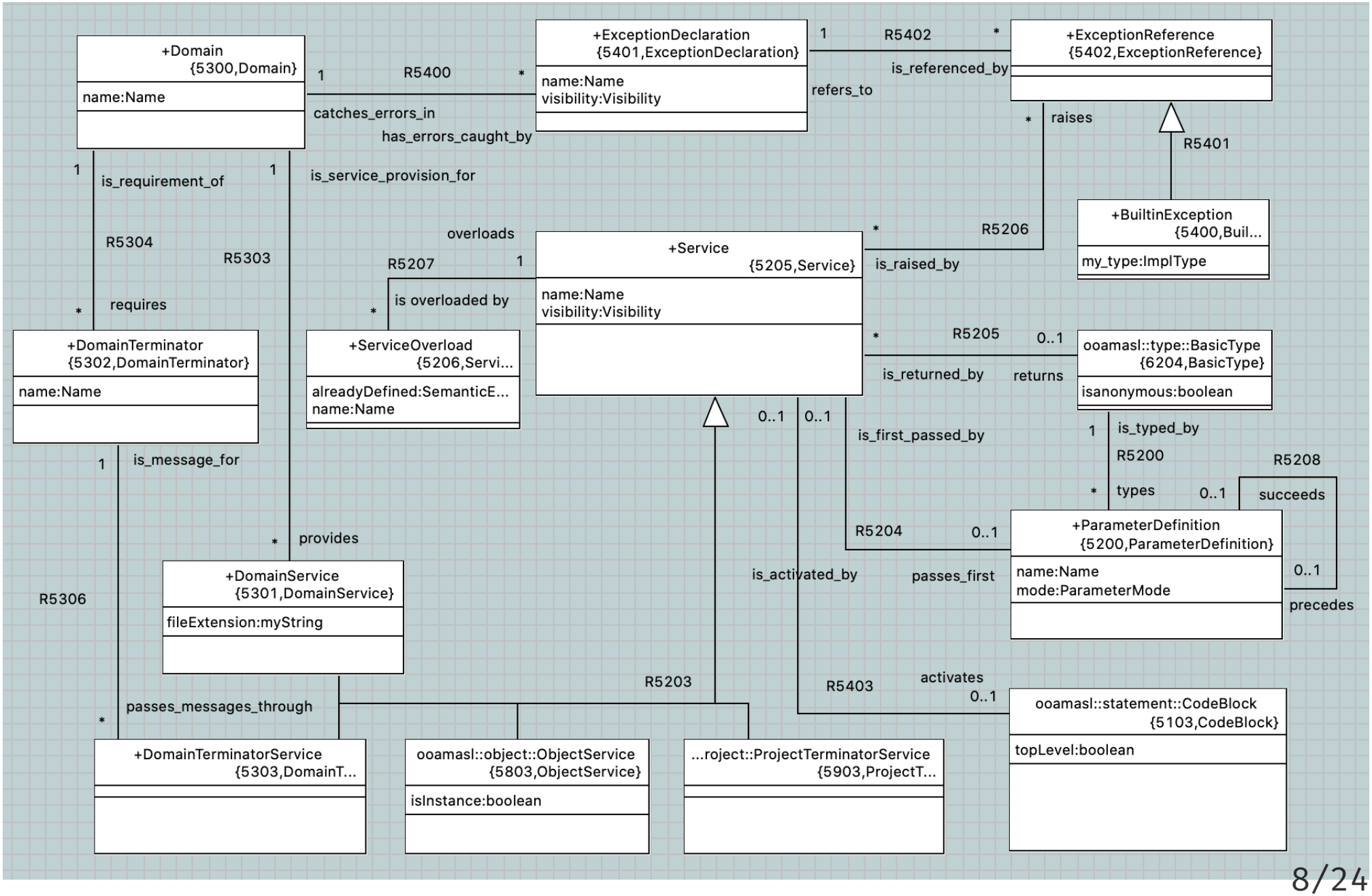
OOA of MASL: binary



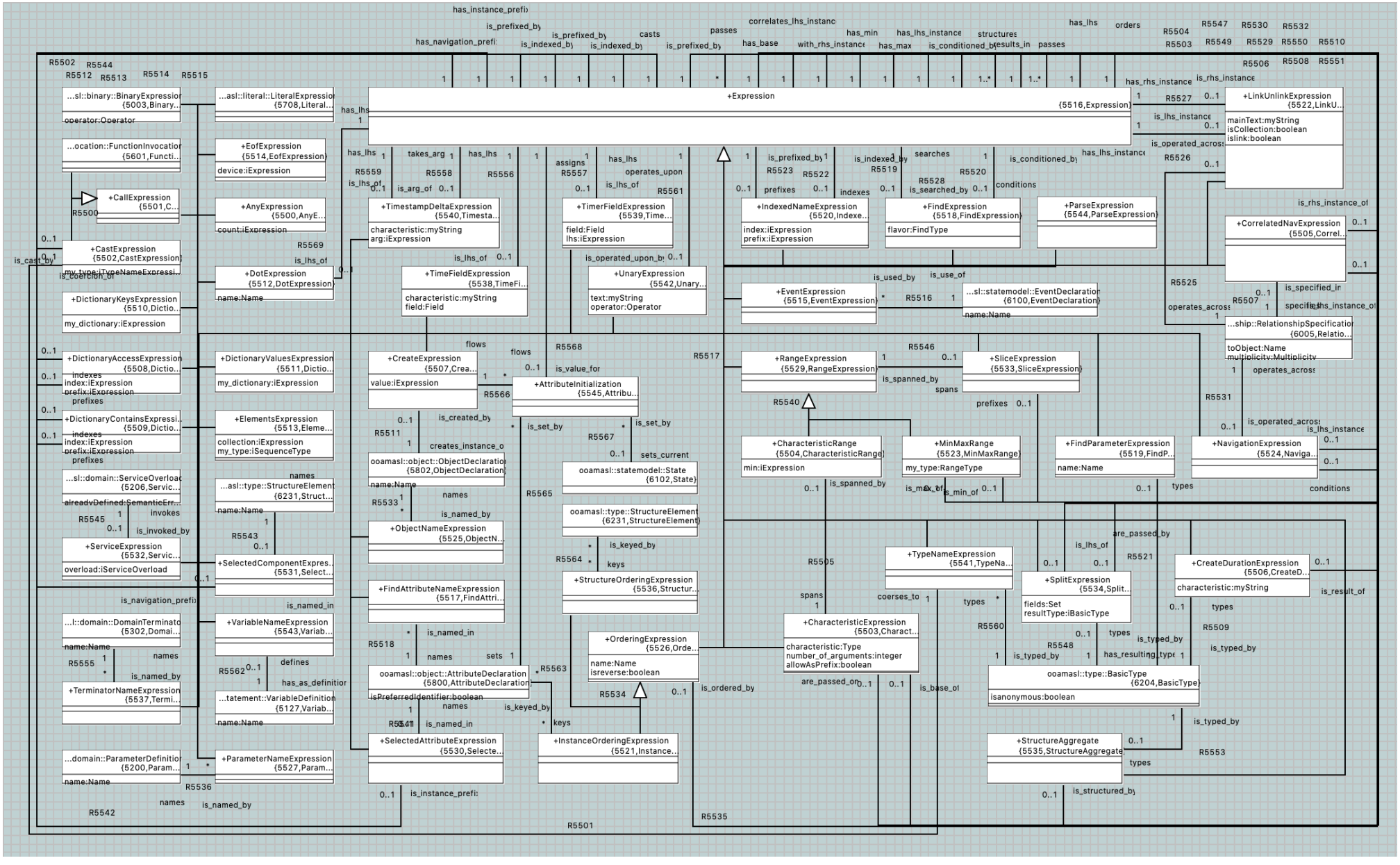
OOA of MASL: builtin



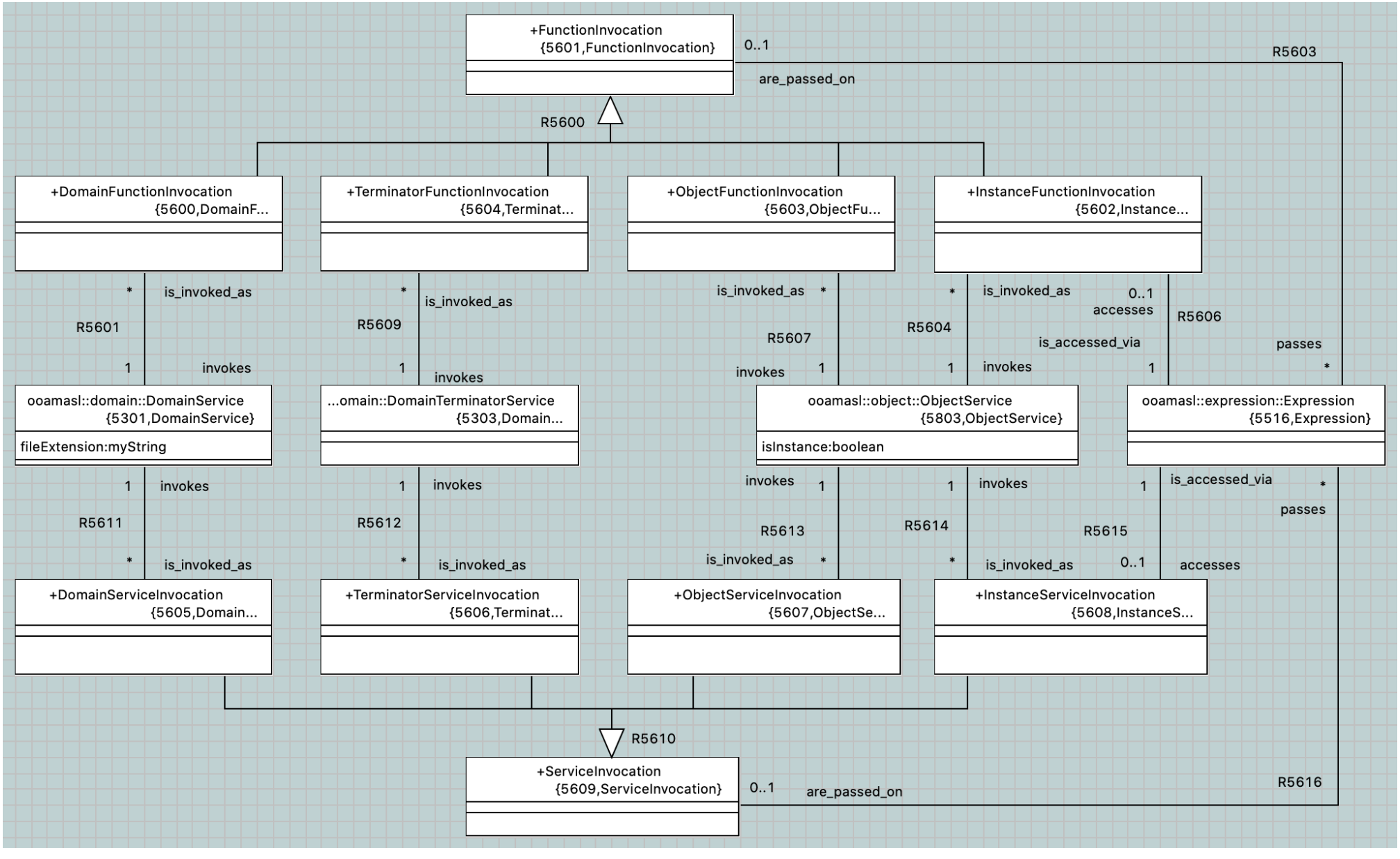
OOA of MASL: domain



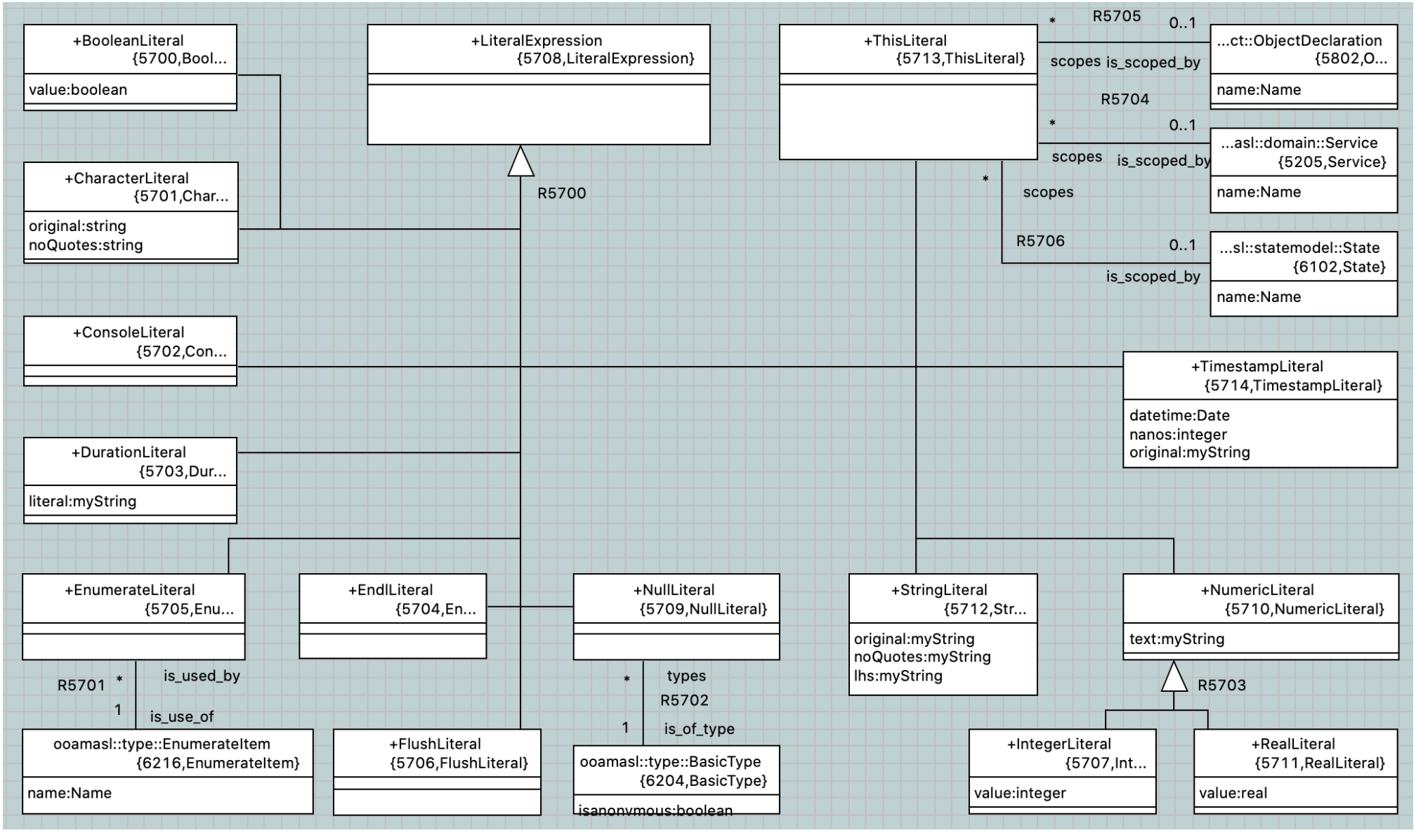
OOA of MASL: expression



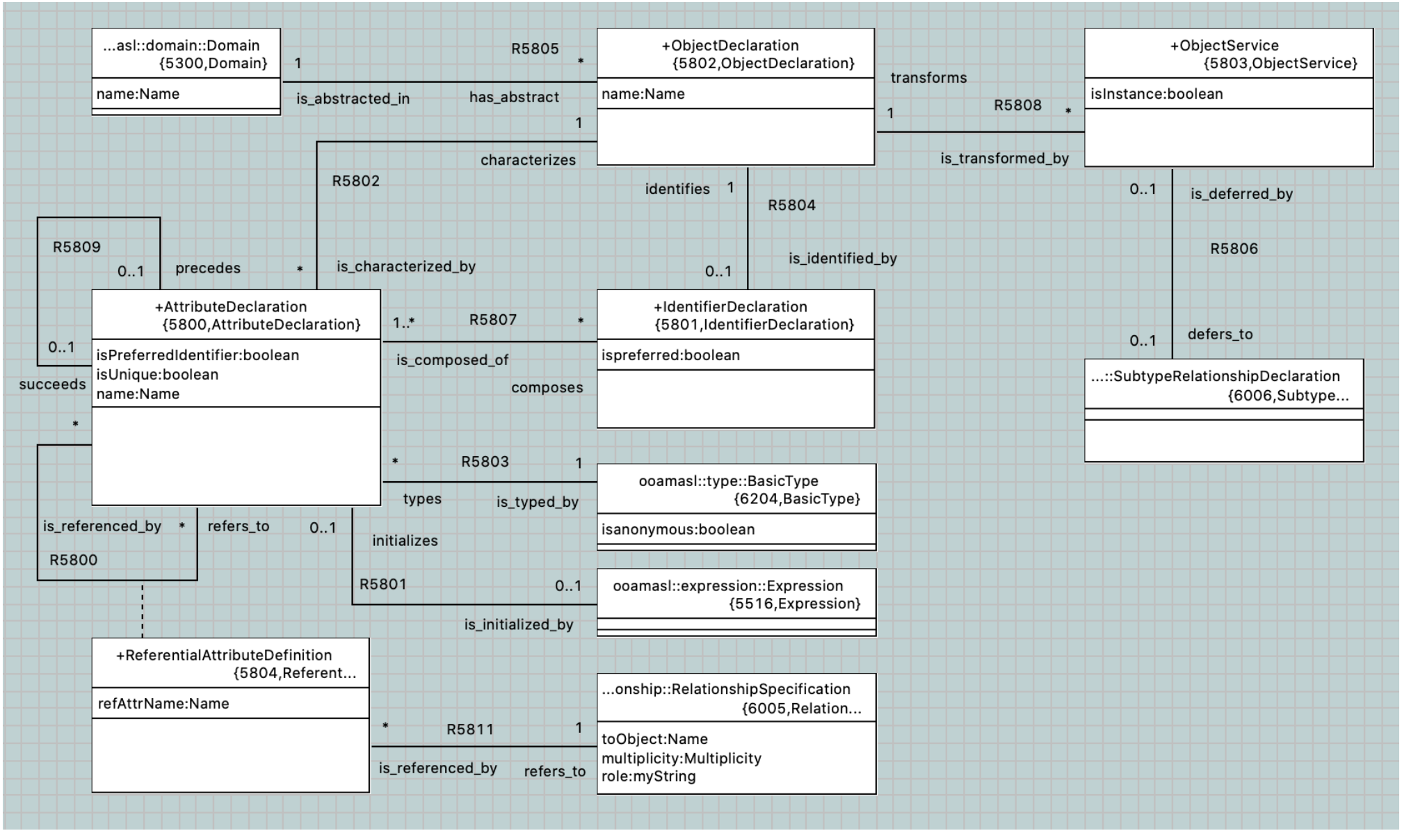
OOA of MASL: invocation



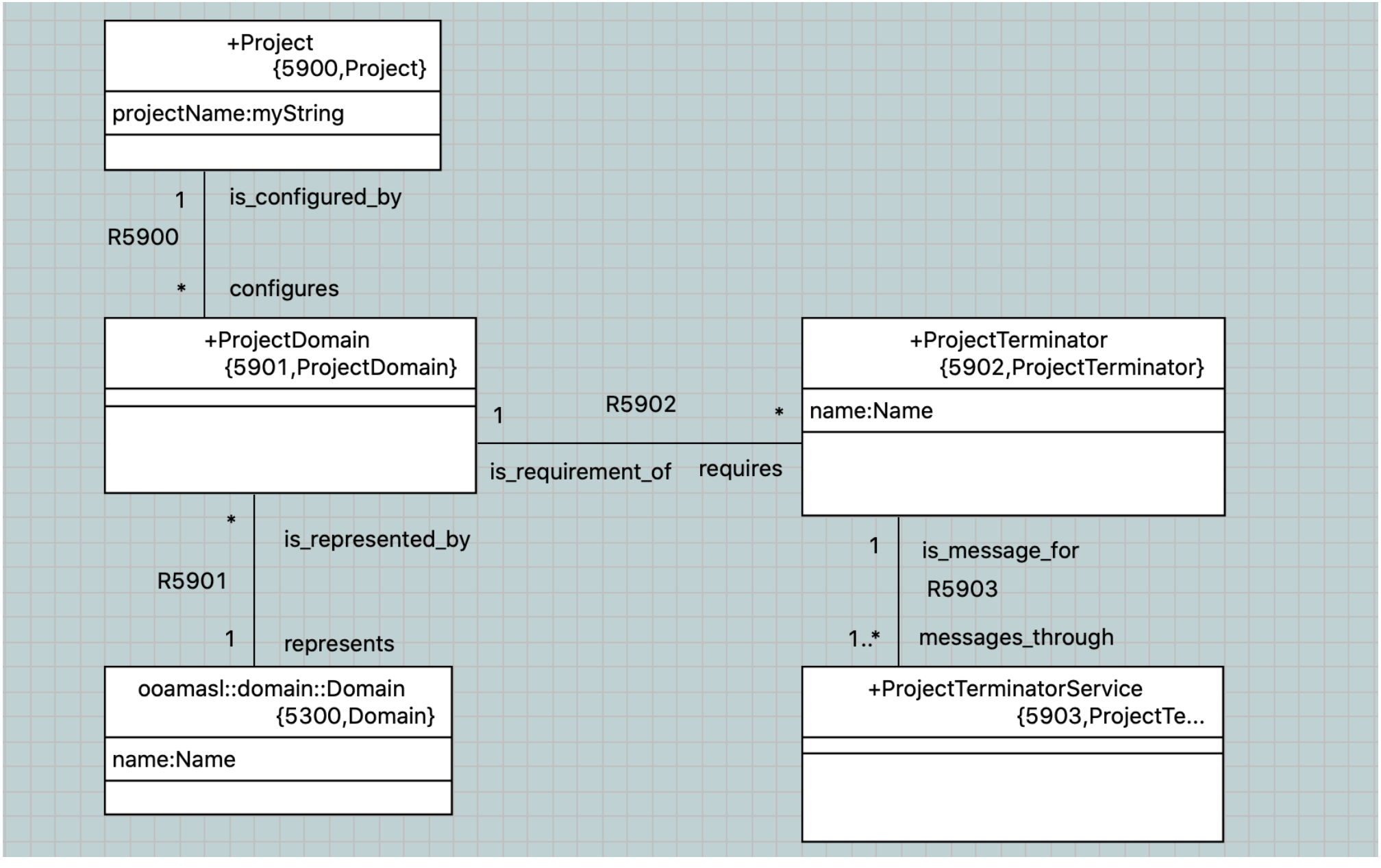
OOA of MASL: **literal**



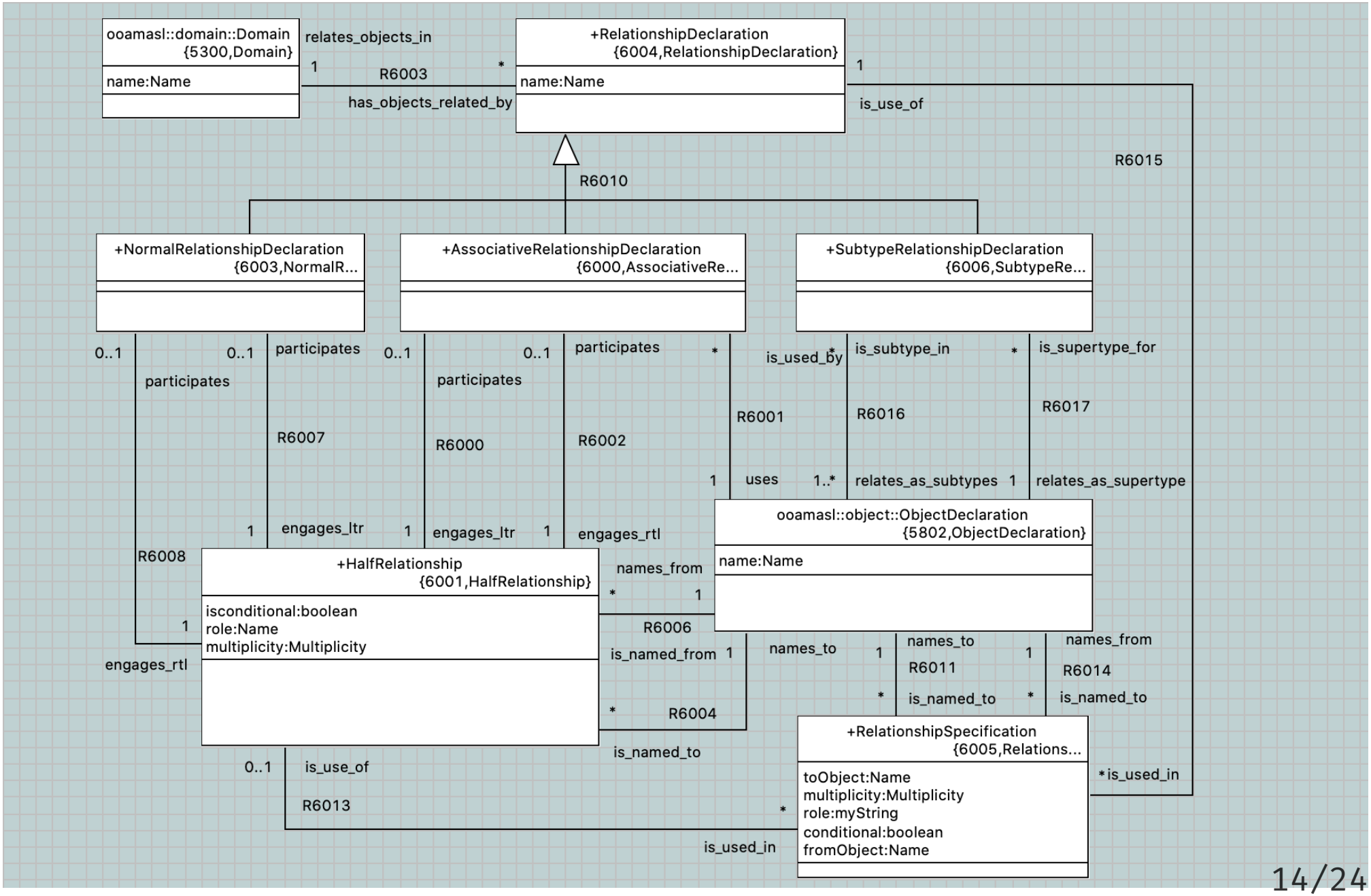
OOA of MASL: **object**



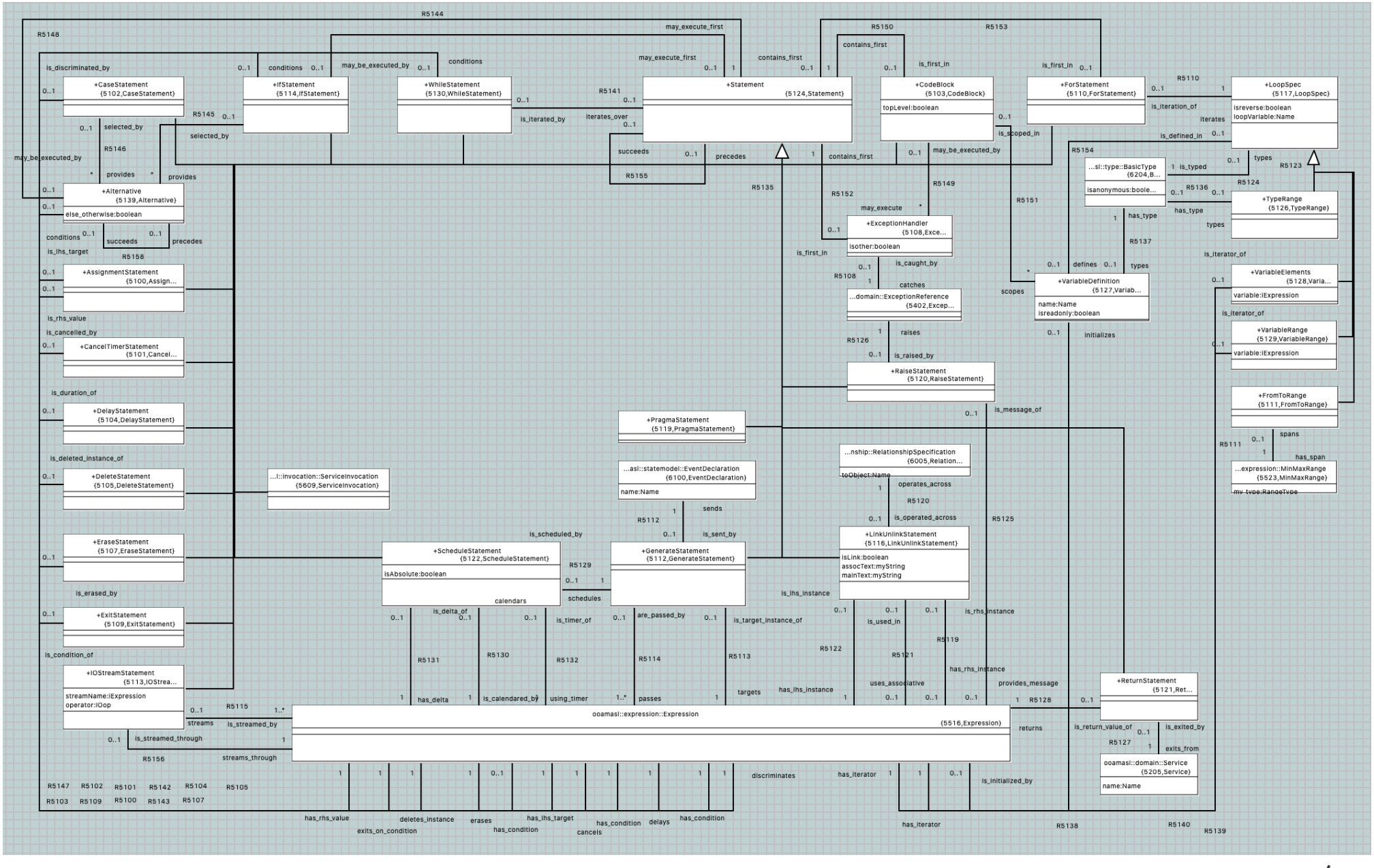
OOA of MASL: project



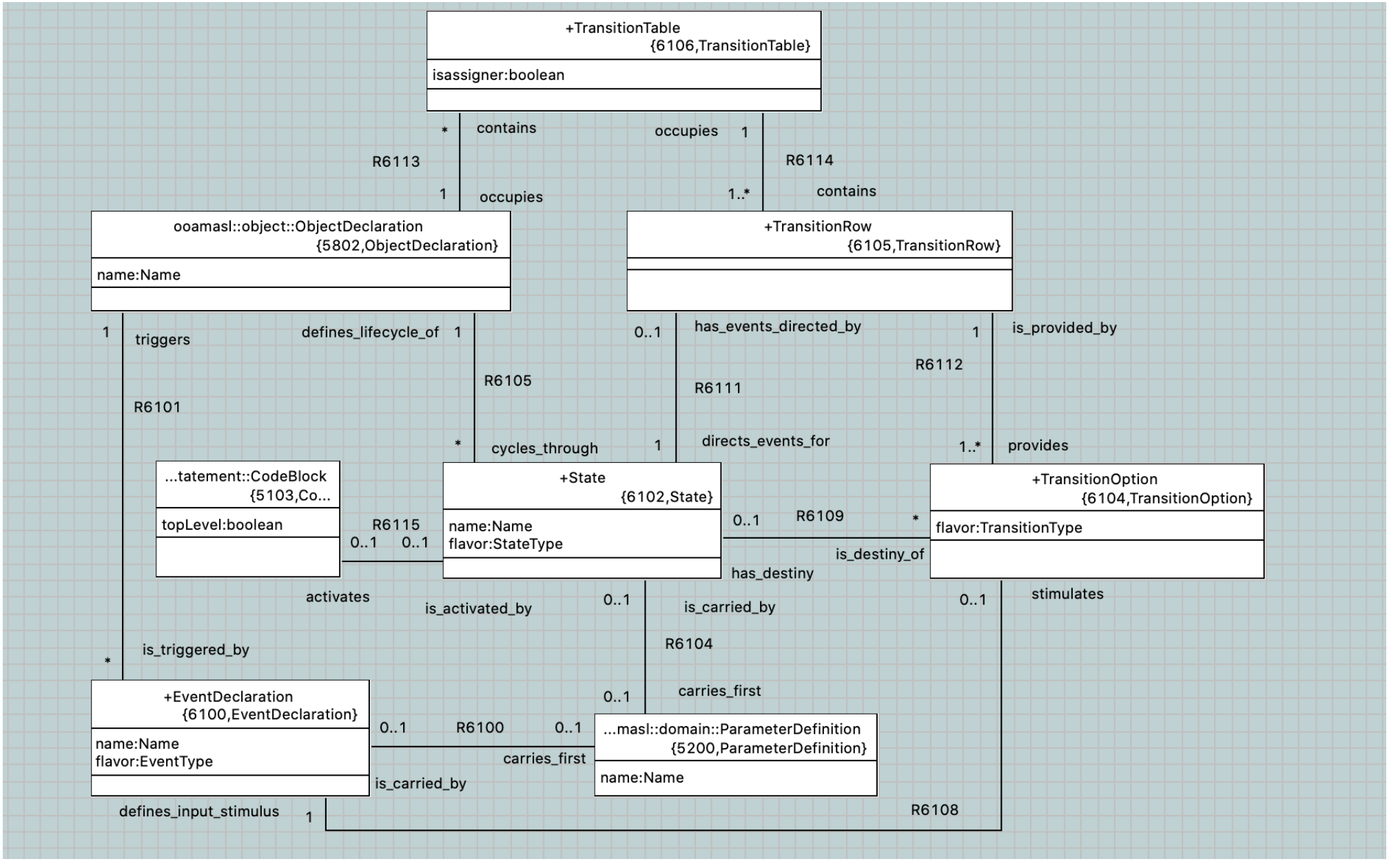
OOA of MASL: relationship



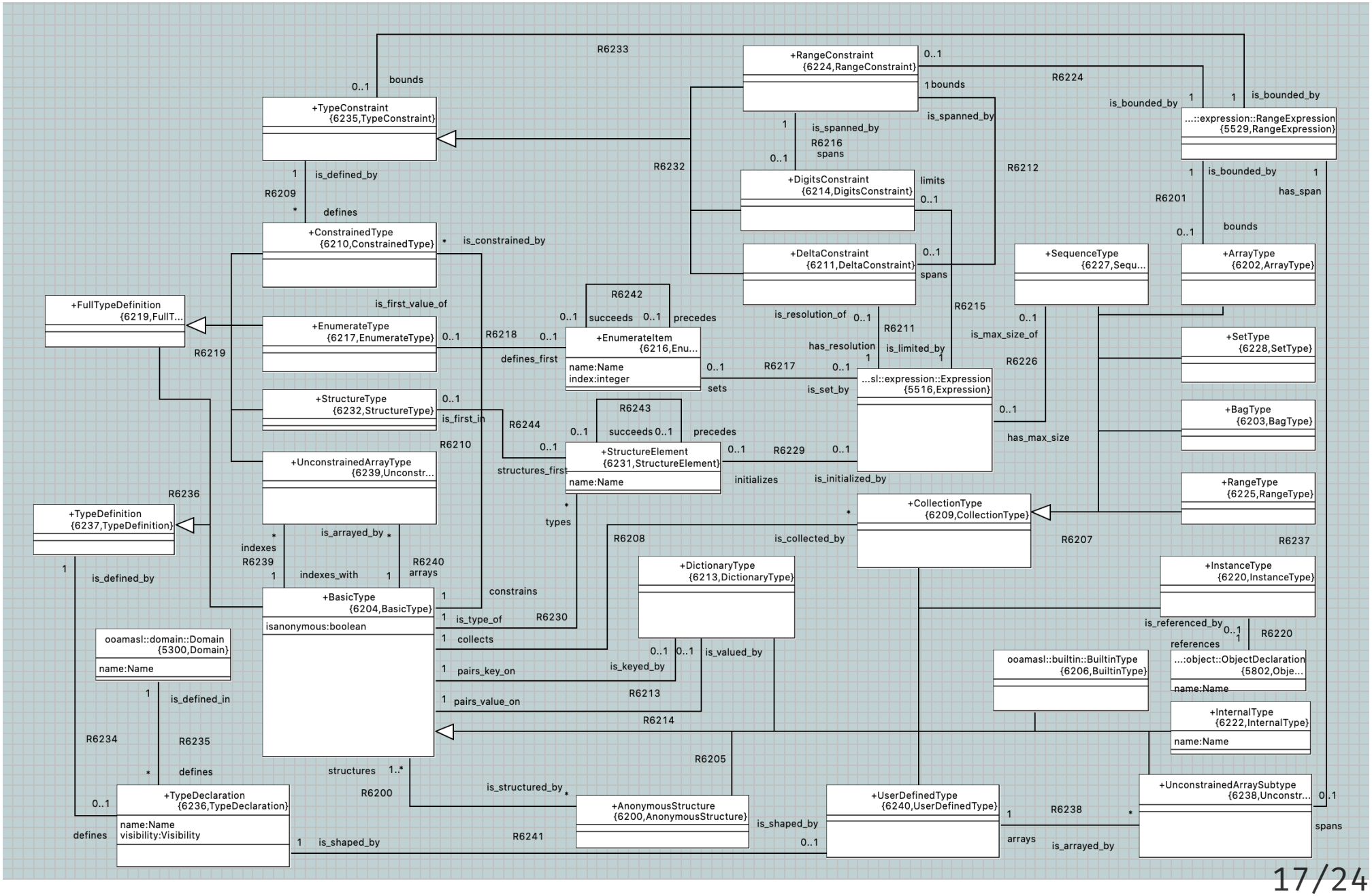
OOA of MASL: statement



OOA of MASL: statemodel



OOA of MASL: type



Statistics

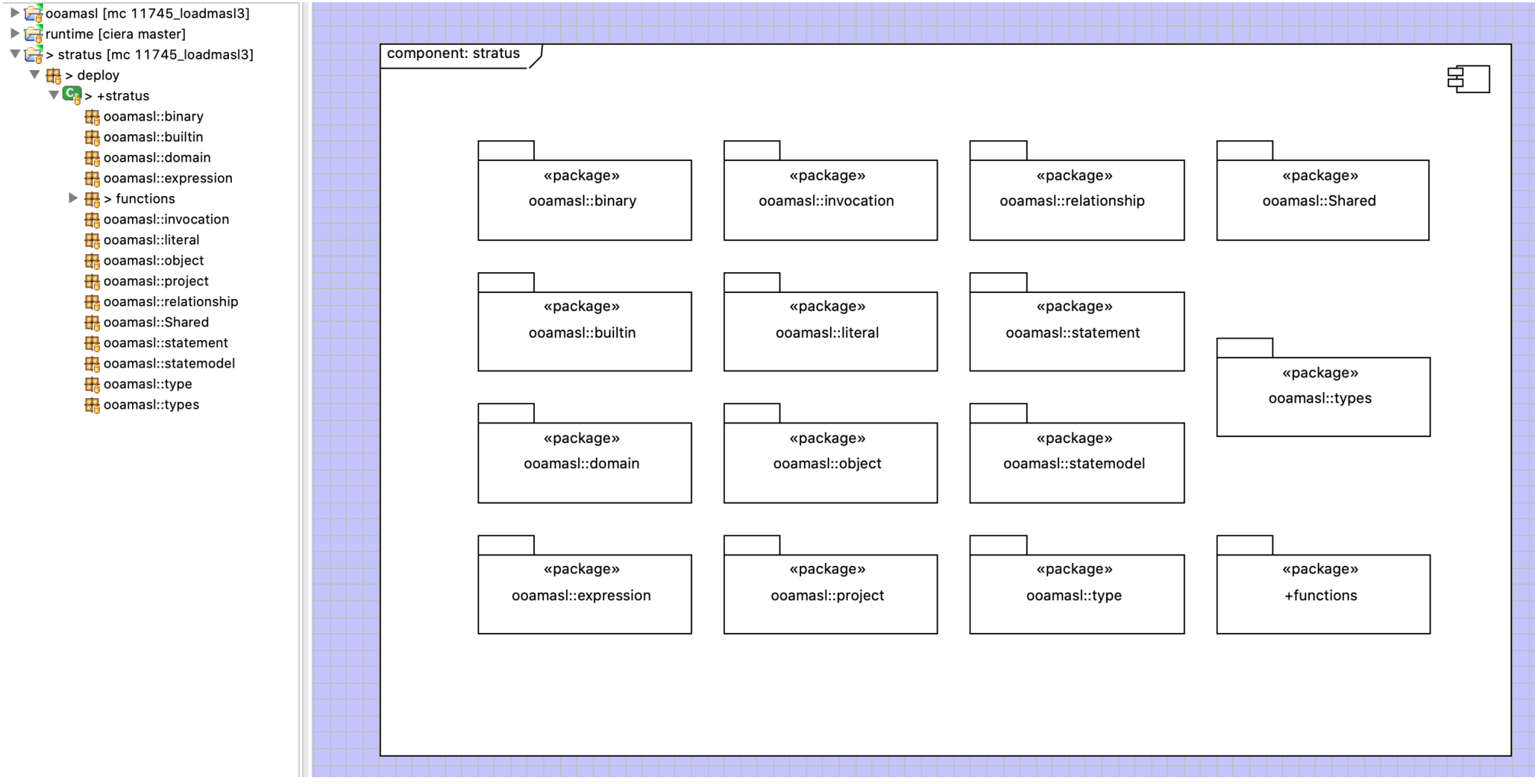
Statistics

subsystems	**12**
classes	176
attributes	134
relationships	234
production rules	166

MASL loader

- deployment model
  - imported OOA of MASL subsystem packages
  - parser, loader, model API functions

OOA of MASL: Stratus deployment



MASL loader

- Show functions
- Show parser interface (LOAD).
- Ciera build
- Ciera generated code
- Load ALU (and other test models).
- Load stratus.
- Generate abstract classes with stratus of stratus.
- Generate inventory report of major elements sorted in some order.

MASL loader: functions

- init
- select_any_Object_where_name
- resolve_name
- create_RelationshipSpecification

MASL loader: cont...

- Show parser interface (LOAD).
- Ciera build
- Ciera generated code
- Load ALU (and other test models).
  - masl_round_trip (load all test models)
- Load stratus.
  - Export stratus as MASL.
  - Load exported MASL.
- Generate abstract classes with stratus of stratus.
- Generate inventory report of major elements sorted in some order.

next steps

- review and further test
- template and rendering HOWTO
- cloud template integration
- Java translation of MASL activities