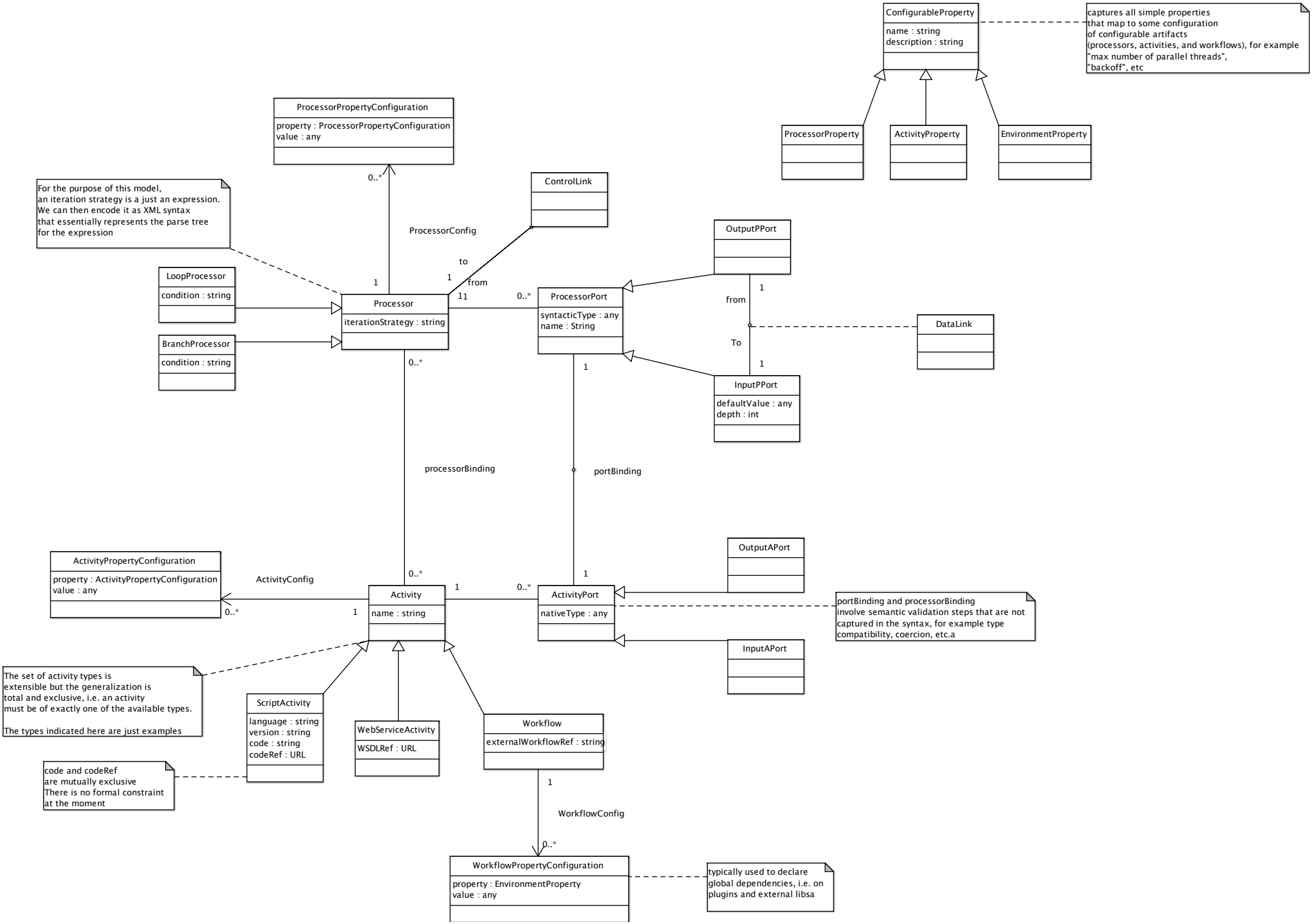
ConfigurableProperty
name : string
description : string
captures all simple properties
that map to some configuration
of configurable artifacts
(processors, activities, and workflows), for example
"max number of parallel threads",
"backoff", etc
ProcessorProperty
ActivityProperty
EnvironmentProperty
ProcessorPropertyConfiguration
property : ProcessorPropertyConfiguration
value : any
0..*
ProcessorConfig
1
ControlLink
to
1
from
11
For the purpose of this model,
an iteration strategy is a just an expression.
We can then encode it as XML syntax
that essentially represents the parse tree
for the expression
LoopProcessor
condition : string
Processor
iterationStrategy : string
0..*
ProcessorPort
syntacticType : any
name : String
OutputPPort
1
from
DataLink
To
1
BranchProcessor
condition : string
0..*
1
InputPPort
defaultValue : any
depth : int
processorBinding
portBinding
ActivityPropertyConfiguration
property : ActivityPropertyConfiguration
value : any
ActivityConfig
0..*
0..*
1
Activity
name : string
1
0..*
ActivityPort
nativeType : any
1
OutputAPort
portBinding and processorBinding
involve semantic validation steps that are not
captured in the syntax, for example type
compatibility, coercion, etc.a
InputAPort
The set of activity types is
extensible but the generalization is
total and exclusive, i.e. an activity
must be of exactly one of the available types.
The types indicated here are just examples
ScriptActivity
language : string
version : string
code : string
codeRef : URL
WebServiceActivity
WSDLRef : URL
Workflow
externalWorkflowRef : string
code and codeRef
are mutually exclusive
There is no formal constraint
at the moment
1
WorkflowConfig
0..*
WorkflowPropertyConfiguration
property : EnvironmentProperty
value : any
typically used to declare
global dependencies, i.e. on
plugins and external libsa