

ENTAILING FROM THE CONGO WEB SERVICE

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Using Pellet



- ❑ `$> pellet explain --heirarchy CongoProcess.owl`
- ❑ Creates an output of all of the object relationships in the ontology hierarchy, both explicit and inferred
- ❑ `$> pellet entail -e <ent. file> CongoProcess.owl`
- ❑ Determines if all axioms in a file are entailed by the ontology

Example: Pellet Explain

- Explicit:

Axiom: DiscoverCard type CreditCardType

Explanation: DiscoverCard type CreditCardType

- Implicit:

Axiom: MasterCard type CreditCardType

Explanation: CreditCardType equivalentTo

{AmericanExpress, DiscoverCard, MasterCard, VISA}

Example: Pellet Explanation

- More Detailed Implicit:

Axiom: genid100 type AtomList

Explanation:

- FullCongoOrderShippedEffect type SWRL-Expression
- SWRL-Expression subclassOf expressionObject only
AtomList
- FullCongoOrderShippedEffect expressionObject bnode

Example: Pellet Entail

