20141107 Change Summary

General Notes

- Please be sure you are using the latest version of the COPD reference model from the RTD ReadOnly folder, as it has updates. You may want to compare any models you are testing against this, so that you gain the benefit of those updates.

1.0 Install and setup

- Setup Guide - Revised to add Prerequisites, Assumptions, install steps to demonstrate 1) Execute 2) View output.
- Config file now takes multiple jar paths.
- Removed dependencies on bootstrap code.

    Addition of Developer Tools (see the Build tree in PMML scripts):
    a. There is a standalone client-side tool for UDF developers that will extract the UDF metadata as JSON, so that it can be sent through the JSON web service.
    b. There is also a new tool for extracting JSON dependency info from SBT projects.

2.0 Engine

a. Added handling for metadata updates sent from Metadata.API through zookeeper
b. Built jar libraries for custom UDFs
c. Revised the hierarchy structure between containers and messages
d. Added serialization & deserialization for messages and containers

3.0 Storage

a. Support for message persistence patient history
b. Added creation of keyspaces and tables in Cassandra datastore automatically

4.0 Messages

- Fixes in Messaging & Container Class Definitions
- Changes to correct the use of arrays so that they can be used through JSON files and Metadata.API

5.0 PMML Model and Compiler

- Extended Compiler, built new UDFs & new types to support aggregation for the COPD model
- Provided examples for SUM in aggregation

6.0 Metadata.API

- Updated error handling to Metadata.API
- Can activate and deactivate models and messages
- Ingestion support for PMML model by adding arrays of containers automatically whenever you add a container
- Metadata changes to alert engine using zookeeper
- More updates to the Metadata API functions
- Enhancements to the Metadata.API REST service to support the new functions

7.0 Admin

8.0 Documentation changes

Added: Revised Install & Setup Guide, Revised Metadata.API Install & Setup Guide
Added: Change Summary
Added: Stack diagram
Added: Overview
Updates to Outline