Metadata Quality Engine Components

Remote Client
constructs DataONE QC
Service Request

Client request

**DataONE MN API
Quality Service**
Controls requests /
responses to Metacat,
construct Metacat API
calls

DataONE MN Instance

Call Metacat API

Metacat API
constructs MQE calls,
responses

Calls appropriate MQE API

Metadata Quality Engine

Metadata Quality Engine API

run QC checks

get, list, add QC check metadata

view, list QC results

**QC Run
Controller**
Coordinates all QC
check runs

get QC metadata

get, store QC results

QC Metadata Manager
Manage recommendation and
check metadata

**QC Results Data
Manager**
Manage, format QC results

run single QC check

**QC Run
Dispatcher**
Determines how each
check should be run
and executes it

store / retrieve QC metadata

store / retrieve QC results

QC metadata store
Contains recommendation
and quality check
metadata

QC results store
Contains results from
quality check runs