



MC BB update status

SM&C WG – 7/24/23



Status

- Nearly complete draft released for WG review
- Remaining points listed below
 - points requiring WG discussion
 - points waiting for final MAL BB
 - points to be done



Open points to be discussed in WG

- M&C system composition
- Wildcards in some operations
- source filter in MonitorActionExec
- Null actionRef in ActionExecutionRequest
- Parameter service data model
- Automatic PUBLISH of Aggregations
- List parameter in Aggregation.getValue
- ObjectRef version field set to 0



2.3 M&C system composition

- Is this section really useful?
 - It raises more questions for a doubtful benefit
 - abandoned action forwarding scenario
 - service data augmentation
 - service extension

Wildcards in some operations

- List of operations concerned
 - 3.4.8/9 Parameter.enable/disableReporting, 3.5.5/6 Alert.enable/disableGeneration, 3.7.5 Aggregation.getValue, 3.7.7/8 Aggregation.enable/disableReporting, 3.7.11 Aggregation.removeAggregation
- API changed to accept List<ObjectRef>
 - exact matching (no wildcard in the ObjectRef structure)
- Usefulness of wildcards on the domain field?
 - possible UC: domain used as agency scope
 - note that it is not compatible with the List type parameter

3.3.5 source filter in MonitorActionExec

- A source field has been added in ActionExecutionRequest
 - is it useful to provide related subscription filters?
 - current proposal is the ObjectRef key field
 - what about the domain field
 - would be as a String

4.2.3 Null actionRef in ActionExecutionRequest

- In the previous COM object model, it was possible to provide a null value for this field, with the following comment:
 - If NULL, then the provider is assumed to know which action is concerned
- This seems now impossible, notably because there is no longer a domain field in the MAL header

4.3.4 Parameter service data model

- Issue raised by CC to promote a simpler data model
 - no conversion and only raw types in basic Parameter values
 - separate Parameter type for converted values

2.11 Automatic PUBLISH of Aggregations

- The existing section has been removed, as it is unclear how to implement it without violating the MAL
- The original requirement remains, i.e. enabling to implement the automatic publish of reporting information
- Suggestion: describe a deployment that fulfills the requirement while respecting the standards, in a note instead of a specification requirement

3.7.5 List param in Aggregation.getValue

- Changed to a single aggregation, as an Aggregation is already a list of Parameters
- Should we switch back to a List of Aggregation references?
 - ignore the point if the wildcard option is validated

ObjectRef version field set to 0

- Proper wording to express this case?
 - there is formally no version field in ObjectRef
 - the proposal in the MAL BB is not satisfactory either
 - Value 0 for the version of the Object Identity of an MO Object is reserved to reference the latest version of the object.
 - refers to the ObjectIdentity, not to the ObjectRef



Points waiting for final MAL BB

- Error codes
- Check/update references to the BB
- New formalism for nullable parameters in operations



Points TBD

- Check the requirements from the magenta book
 - notably on MO Objects
- XML specification
- Out of band definitions section