F.20 Entity Factory

Return to DDS Quality of Service

The ENTITY_FACTORY policy controls the behavior of the `Entity` as a factory for other entities.

This policy concerns only Domain Participant (as factory for `Publisher`, `Subscriber`, and `Topic`), Publisher (as factory for `DataWriter`), and Subscriber (as factory for `DataReader`).

This policy is mutable. A change in the policy affects only the entities created after the change; not the previously created entities.

The setting of `autoenable_created_entities` to TRUE indicates that the factory `create_<entity>` operation will automatically invoke the `enable` operation each time a new `Entity` is created. Therefore, the `Entity` returned by create_<entity> will already be `enabled`. A setting of FALSE indicates that the `Entity` will not be automatically enabled. The application will need to `enable` it explicitly by means of the `enable` operation (see 2.2.2.1.1.7).

The default setting of `autoenable_created_entities = TRUE` means that, by default, it is not necessary to explicitly call `enable` on newly created entities.

Source: DDS 1.4 Spec

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