

ENTITY_FACTORY QoS Parameter

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

This policy concerns only DomainParticipant (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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