

F.20 Entity Factory

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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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