

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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