## **QoS** profile assignments

There are three elements that QoS Profiles can be assigned to in the model:

- Endpoints typed by Topic.
- DomainParticipants.
- Topics.

To create an empty Endpoint QoS Assignment Table

- 1. In the Containment tree, right-click a predefined Endpoint QoS Package.
- 2. From the shortcut menu, select Create Diagram and from the opened dialog, select Endpoint QoS Assignment Table.
- 3. The unnamed table is created. Type its name and press enter.

To fill in the Endpoint QoS Assignment Table

- 1. From the table toolbar, click the Add New button. The new row appears and Endpoint QoS Assignment element is created in the model.
- 2. In the table, specify the following:
  - Double-click the **Name** cell and type Endpoint QoS Assignment name.
  - Double-click the QoS Profile cell, select ... and in the Select Elements dialog choose QoS Profile.
  - Double-click the Endpoint cell, select ··· and in the Select Port dialog choose already created ports or use the Creation Mode to create new port
  - Double-click the **Domain Participant Instance** cell, select ··· and in the **Select Property** dialog choose already created Part Properties or use the **Creation Mode** to create new Part Property.

Assigning QoS on subscribers/publishers is not possible since they are derived from the model and not explicitly marked.

To assign QoS Profiles on Topics create a Topic QoS Assignment Table. Criteria ... Scope (optional): Drag elements from the Model Browser Element Type: Topic QoS Assignment # QoS Profile Generic.MinimalMemoryFootprint ■ TemperatureControlTopic 1 Minimal TemperatureTopic QoS profile to Topics to have Name of the the QoS assignment assign To assign QoS Profiles on Domain Participants create a Participant QoS Assignment Table. Element Type: Participant OoS Assignment ... Scope (optional): Drag elements from the Model Browser ( | ... | Filter: 🕎 QoS Profile Domain Participant Instance Generic.BestEffort HomeController P homeController: Home Control::Domains::Domain Participants::HomeController Name of the QoS profile to Domain participant Instances with type of assignment assign Block

To assign QoS Profiles on Endpoints create a Endpoint QoS Assignment Table.

