

Reacting to External Events

On mobile and embedded platforms, applications are usually integrated into the platform and therefore screens might pop-up from anywhere or at any time, based on a conditional event. For example, push notifications appear on mobile devices and incoming call screens on a car's HMI.

You can use the **Flow Wildcard** component to model this type of screens in your **flow view** using real or simulated **signals** and **conditions**. You can add **flow items** to a positive list to prioritize them or to a negative list to stop some screens from appearing on others. For example, you could block the incoming call screen from appearing on a warning screen for the engine if you consider the warning more important.

To use wildcards:

1. Drag a **Flow Wildcard** component from **Components > Flow View** to an **action area** in the **Navigator** or **2D** view.
2. In **Properties**, select flow items to add them to the positive and negative list of the action area.

Flow Wildcard Properties

You can specify basic properties for a **Flow Wildcard** component in the **Type** and **ID** fields in the **Component** section in the **Properties** view. Specify properties for flow wildcards in the **Flow Wildcard** section.

The screenshot shows the 'FLOW WILDCARD' properties panel. It contains the following fields and controls:

- Event IDs**: A text input field with a 'tr' button.
- Outline color**: A color picker showing red, with a hex input field containing '#ff0000' and a 'Hex' label.
- Fill color**: A color picker showing a checkerboard pattern, with a hex input field containing '#00000000' and a 'Hex' label.
- Global wildcard**: A checkbox.
- Size**: A numeric input field with the value '200'.
- Radius**: A numeric input field with the value '18'.
- Allow list**: A dropdown menu with a '+' button below it.
- Block list**: A dropdown menu with a '+' button below it.

Select the **Global wildcard** check box to enable triggering the wildcard from several flows.

To give flow items high priority, select them in the **Allow list** field. To block flow items, select them in the **Block list** field.

You can specify the following properties to change the appearance of the wildcard icon  :

- › In the **Size** field, specify the size of the wildcard icon.
- › In the **Radius** field, specify the radius of the wildcard icon corners.

You can use the [color picker](#) to set the outline and fill color of the wildcard icon.

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