

EB GUIDE Speech Extension tutorial

Inserting variable placeholders into speech input

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1. Tutorial: Inserting variable placeholders into speech input

The following instructions guide you through the process of configuring a command with a datapool slot. The datapool slot is linked to a datapool item with a list of radio stations.

Approximate duration: 10 minutes.



Adding a datapool item of type `String list`

The following instruction guide you through the process of adding two datapool items. The first datapool item provides values for a list of radio stations. The datapool items will be used within an SRGS grammar of a command.

Prerequisite:

- The EB GUIDE model contains a talk state.
- The `Change station` event is added.
- The content area displays a talk.
- The talk contains an SSML prompt.
- The `SSML prompt` property is linked to a datapool item of type `SSML prompt`.
- The datapool item contains the text `Select a station`.
- The navigation area displays the **All** tab.

Step 1

In the navigation area, go to **Datapool**, and click .

A menu expands.

Step 2

In the menu, click `String list`.

A new datapool item of type `String list` is added.

Step 3

Rename the datapool item to `Radio station result`.

Step 4

Add another datapool item of type `String list` or copy and paste the first datapool item with **Ctrl+C** and **Ctrl+V**.

Step 5

Press the **F2** key and rename the datapool item to `Radio station list`.

Step 6

In the **Properties** panel, go to the `Value` property, and click the  button next to the property.

An editor opens.

Step 6.1

To add an item to the list, click **Add**.

A new entry is added to the table.

Step 6.2

Enter `Station one` in the **Value** text box.

Step 6.3

Add the following values to the `Radio station list` datapool item.

- ▶ `Station two`
- ▶ `Station three`
- ▶ `Station four`

Step 6.4

Click **Accept**.

The content of the list is displayed next to `Value`.

You added two datapool items of type `String list`.



Adding a command and linking the SRGS grammar

Prerequisite:

- You completed the previous instruction.

Step 1

Drag a command from the **Toolbox** into the lower section of the content area.

Step 2

In the navigation area, click the command.

Step 3

Rename the command to `Radio`.

You added a command to the talk and renamed it to `Radio`.

Step 4

Go to the **Properties** panel.

Step 5

Next to the `grammar` property, click **Create link**.

A menu expands.

Step 5.1

To add a datapool item, enter `RadioGrammar` in the combo box.

Step 5.2

Click **Add datapool item**.

A dialog opens.

Step 5.3

Select the `RadioGrammar` datapool item.

Step 5.4

Click **Accept**.

The dialog closes. Next to the `grammar` property, the  button is displayed. It indicates that the `grammar` property is linked to a datapool item.

You added a command and linked the `grammar` property to a new `RadioGrammar` datapool item of type `SRGS grammar`.



Adding and editing a datapool slot

The following instructions guide you through the process of adding a datapool slot to a command. You link the datapool slot to the datapool items that you created previously.

Prerequisite:

- You completed the previous instruction.

Step 1

In the content area, double-click the `Radio` command.

The content area displays an editor.

Step 2

Drag a datapool slot from the **Toolbox** into the **Slot instance** section in the content area.

Step 3

Select the datapool slot.

The **Properties** panel displays the properties of the datapool slot.

Step 4

Go to the **Properties** panel.

Step 5

In the `slotName` text box enter `Station`.

Step 6

Next to the `recognizedOrthography` property, click the  button.

A menu expands.

Step 6.1

Select **Add link to datapool item**.

Step 6.2

Select Radio station result.

Step 6.3

Click **Accept**.

Step 7

Next to the `inputOrthography` property, click the  button.

A menu expands.

Step 7.1

Select **Add link to datapool item**.

Step 7.2

Select Radio station list.

Step 7.3

Click **Accept**.

You added the `Station` datapool slot to the `Radio` command. You linked the properties to datapool items.

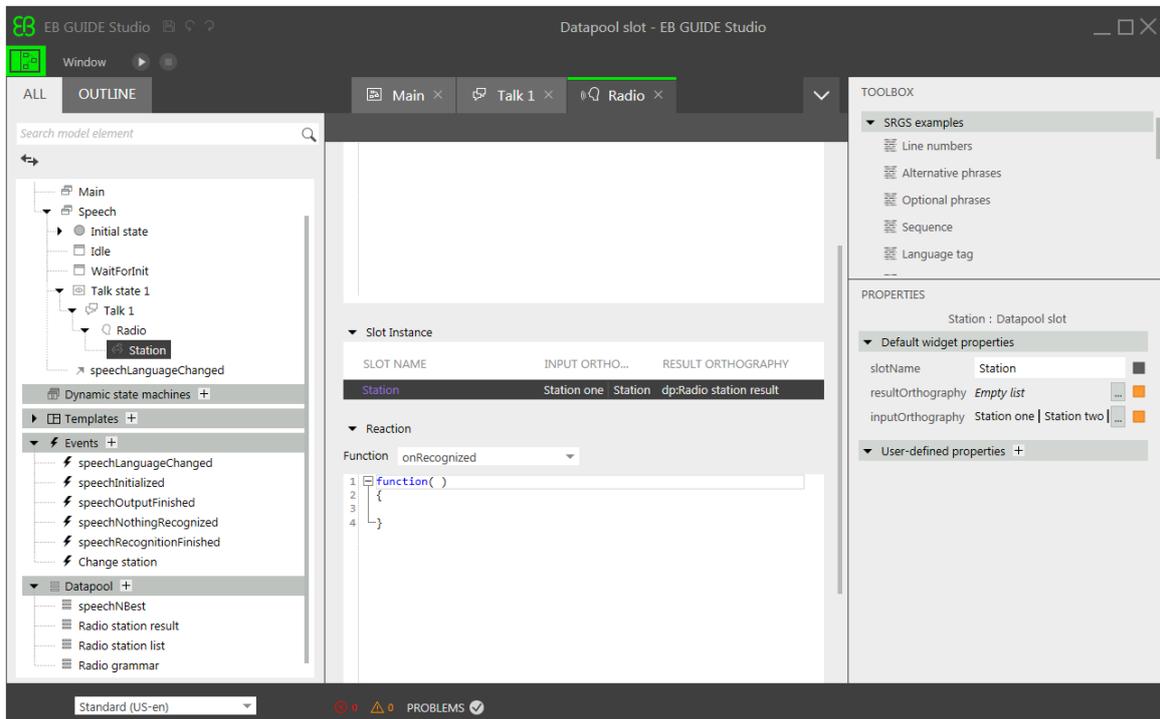


Figure 1. Datapool slot inside a command



Defining an SRGS grammar for the command

Prerequisite:

- You completed the previous instruction.

Step 1

In the content area, go to the **SRGS grammar** section.

Step 2

Enter `Select`.

Step 3

Drag the `Station` datapool slot from the **Slot instance** section into the **SRGS grammar** section.

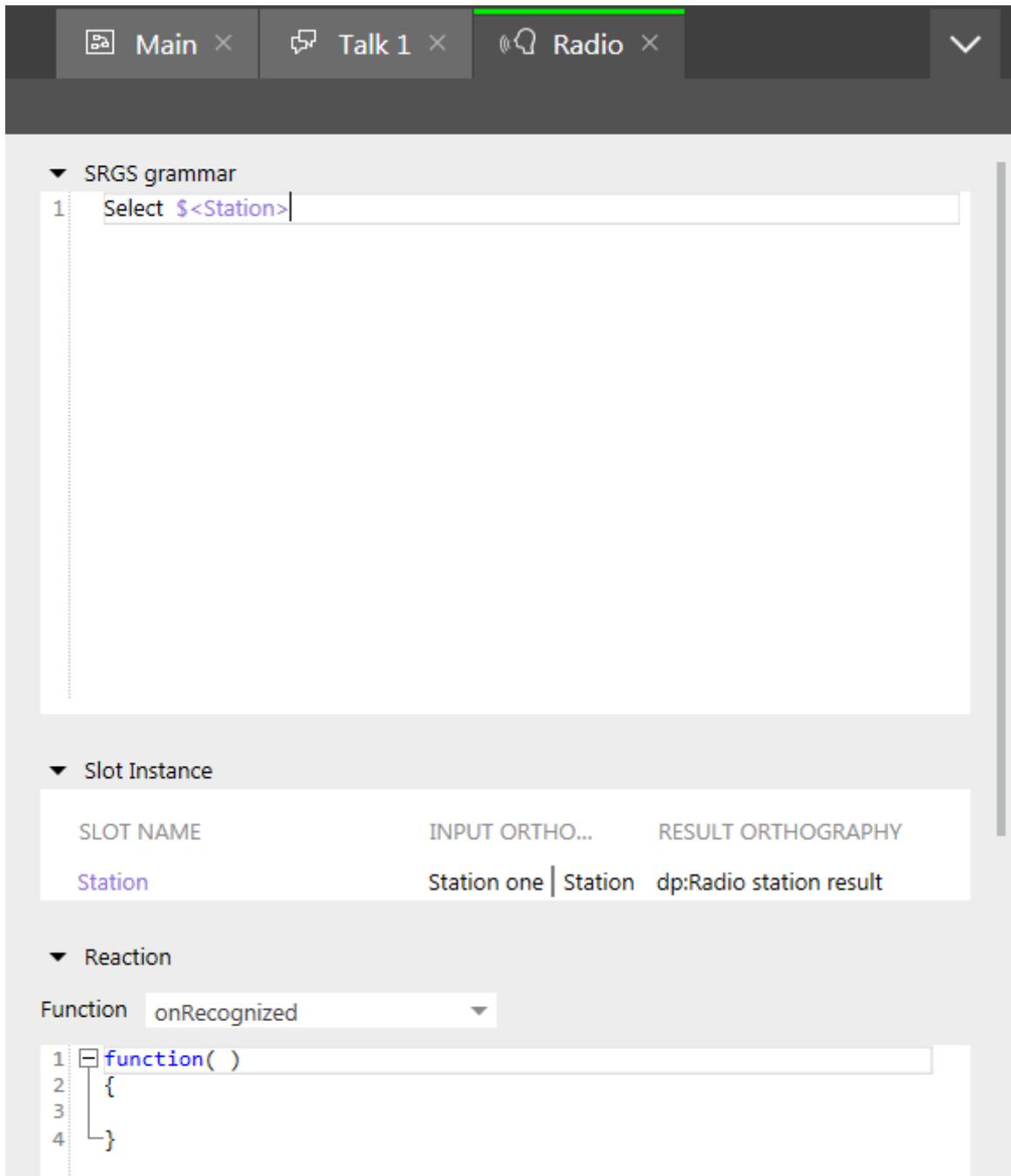


Figure 2. Datapool slot inside a command



Defining a function

To see a reaction on user input, you fire an event which changes a radio station.

Prerequisite:

- You completed the previous instruction.

Step 1

In the content area, go to the **Reaction** section.

Step 2

Enter the following EB GUIDE Script:

```
function( )
{
  fire ev:"Change station"()
}
```

Every time a user input for the `Radio` command is recognized the `Change station` event is fired. The `datapool item Radio station result` contains the recognized radio station with highest confidence, e.g. `Station three`.