EB GUIDE Speech Extension tutorial

Inserting variable placeholders into speech input

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1. Tutorial: Inserting variable placeholders into speech input

NOTE	**Default window layout**
(i)	All instructions and screenshots of this user's guide use the default window layout. If you want to follow the instructions, we recommend to set the EB GUIDE Studio window to default layout by selecting **Layout** > **Reset to default layout**.

The following instructions guide you through the process of configuring a grammar 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 grammar 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`.

Step 1
Go to the **Datapool** component 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

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

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 grammar command and linking the SRGS grammar

Prerequisite:

▪ You completed the previous instruction.

Step 1

Drag a grammar command from the **Toolbox** into the command section of the talk editor.

Step 2

Add a link to a datapool item.

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

Step 3

Click **Add datapool item**.

Step 4
Confirm with **Accept**.

The dialog closes. In the **Properties** component, next to the `grammar` property, the 🟧 button is displayed. It indicates that the `grammar` property is linked to a datapool item.

Step 5
In the **Navigation** component, click the grammar command.

Step 6
Rename the grammar command to `Radio`.

You added a grammar 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 grammar command. You link the datapool slot to the datapool items that you created previously.

Prerequisite:

▪ You completed the previous instruction.

Step 1
In the talk editor, double-click the `Radio` command.

The content area displays the command editor.

Step 2
Drag a datapool slot from the **Toolbox** into the slot instance section of the command editor.

Step 3
Select the datapool slot.

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

Step 4
Go to the **Properties** component.

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.
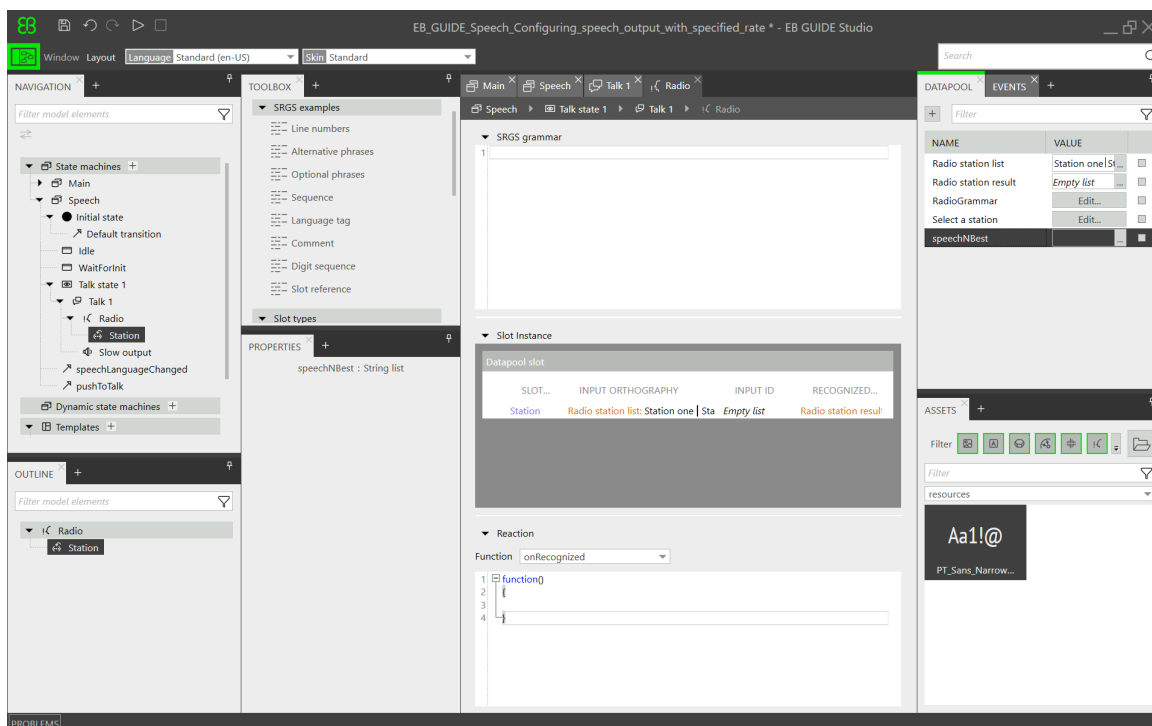

Figure 1. Datapool slot inside a command

Defining an SRGS grammar for the grammar command

Prerequisite:

- You completed the previous instruction.

Step 1
In the command editor, 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.
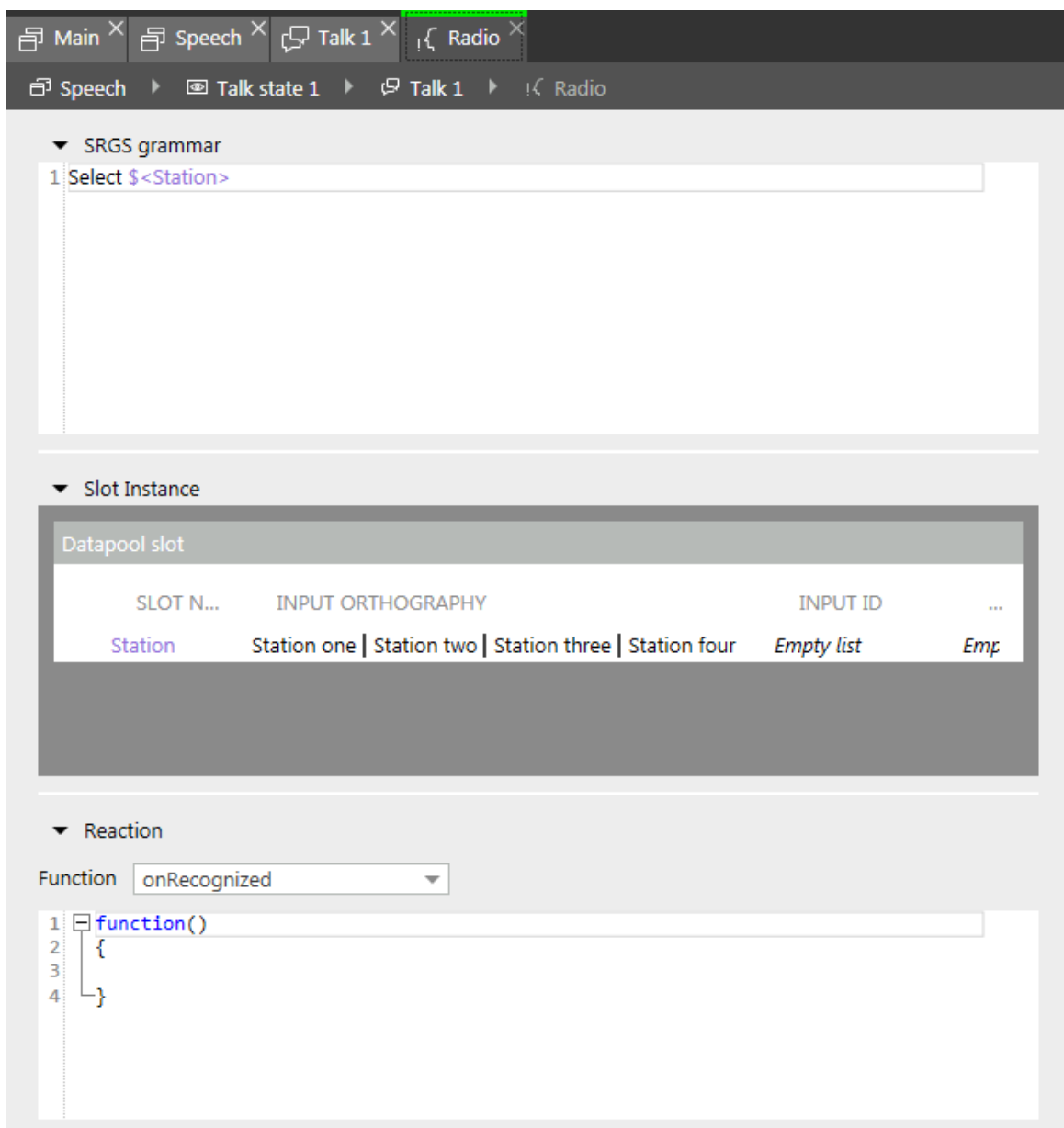

Figure 2. Datapool slot inside a grammar command

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 command editor, 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, for example Station three.