

# EB GUIDE Studio

How-to: Using examples in EB GUIDE Monitor

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# 1. Working with the examples in EB GUIDE Monitor

In EB GUIDE Monitor you can create custom extensions with additional functionalities. The provided examples present the supplementary components for graphical user interface of EB GUIDE Monitor.

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**NOTE****Default window layout**

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**.

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## 1.1. Background information

### 1.1.1. Example structure

For every example the following files are available:

- ▶ Microsoft Visual Studio solution file
- ▶ Microsoft Visual Studio project file
- ▶ `.props` file

Find the pre-compiled `.dll` files in the `/bin/x86/Release` directory of the respective example.

### 1.1.2. List of the current examples

The following is the list of the current example extensions:

- ▶ `monitor_ui_extension` shows how to create a simple tab component in EB GUIDE Monitor.
- ▶ `monitor_ui_extension_detapool` shows how to add a list of all datapool items in a separate tab component in EB GUIDE Monitor.
- ▶ `monitor_ui_extension_events` shows how to add a list of all events in a separate tab component in EB GUIDE Monitor.
- ▶ `monitor_ui_extension_target_viewer` shows how to get and save a screenshot from the currently running EB GUIDE model.
- ▶ `monitor_ui_extension_view_plugin` shows an extension that takes single screenshots, or takes screenshots constantly depending on the properties that are set.

## 1.2. Building the EB GUIDE Monitor examples with Visual Studio



### Building the EB GUIDE Monitor examples with Visual Studio

Prerequisite:

- Visual Studio 2017 is installed.
- You downloaded and unzipped the `eb_guide_monitor_examples` directory.

#### Step 1

Open the unzipped `eb_guide_monitor_examples` directory and navigate to an extension that you want to use.

#### Step 2

In the extension directory, navigate to the `.props` file and open it.

#### Step 3

Set the `MonitorLibPath` property to the `$GUIDE_INSTALL_PATH/tools/monitor/lib/ui` directory.

#### Step 4

In Visual Studio, open the `.sln` file and build the project.

As a result, a `.dll` file is created.

#### NOTE



#### Preconfigured Visual Studio solution files

All Visual Studio solution files are preconfigured to use required files from the EB GUIDE Studio default installation directory. If you installed EB GUIDE Studio in a custom directory, adapt the values of `Additional include directories` and `Additional library directories` in the Visual Studio project file.

## 1.3. Using examples



### Using an example

Prerequisite:

- You downloaded and unzipped the `eb_guide_monitor_examples` directory.

Step 1

To use an example extension, open the unzipped `eb_guide_monitor_examples` directory and navigate to an extension that you want to use.

Step 2

Select an example and navigate to `/bin/x86/Release`.

Step 3

Copy the `.dll` file to `$GUIDE_INSTALL_PATH/tools/monitor/lib/ui`.

When you start EB GUIDE Monitor, you find the corresponding extension in menu **Layout**.