

Impact Analysis Tool Installation

1. Purpose

This document describes how the impact analysis tool (short: IA tool) can be installed by a department.

2. Indented audience

The indented audience for this document are the people who are responsible for Requirements Engineering within a department. This can be one of the following roles:

- Lead System Architect or Lead System Engineer
- Process owner for Requirements Engineering
- Department ASPICE coordinator
- Process, methods and tool responsible

3. Prerequisites

Before you read this document and start installing the IA tool for your department, please make sure that you have read and understood the [HowTo](#) and the [Architecture](#) of the tool.

4. Installation

The installation consists of multiple steps. Each of them is explained below in detail:

1. Make yourself familiar with the capabilities of the standard IA tool by trying it out

Before you install or change anything I strongly suggest that you make yourself familiar with the IA tool. Only if you understand how it works, then you can set up the optimal solution for your department.

You can open the tool by following this [link](#). After the website has loaded, enter a RQ1 ID of an Issue SW and provide your name. If you get the question “If you want to handle the issue according to Requirements Based Development” – press “yes”.

Now play around or follow the instructions from the [HowTo](#).

2. Customize the IA tool (optional)

After you’ve made yourself familiar with the tool, it’s time to think about, if the standard questions fit your purposes. If not, you are lucky. There are plenty of ways to change the IA tool. All of them are described in the [Customization](#) document.

3. Change your projects to “Requirements based” (optional)

Like the process library, the IA tool differentiates between “Requirements based development” and “change based development” by asking the developers different questions based on the type of process. If there are projects in your department which need to work “requirements based” (e.g. because the need to fulfil ASPICE), then you need to add the following tag to this RQ1 projects:

<ReqBasedDev>true</ReqBasedDev>

You don't need to add anything to the projects which work according to “change based development”.

4. Add the Link to the IA tool to the “Internal comment” of every RQ1 Issue

Now it's time to enable the IA tool for every new created issue. You can do this by adding the link to the impact analysis to the “internal comment” of every newly created issue. This can be done by the tool/script which creates new Issue SW in your department. The link should look like the following:

<https://wi0www02.emea.bosch.com/ImpactAnalysis?id=RQONE00822132>

The id parameter has to be the Issue SW ID.

5. Test if it works

Congratulations. You have installed the impact analysis tool. Now it's time to check out if everything works as expected. Try to make the impact analysis for a few Issue SW to ensure that everything works smoothly.

5. Help

In case you get stuck or if you can't follow the instructions above, you can contact the developer of the IA tool: hermann.wagner2@bosch.com.