



# How to use Table Control on UI5 page

Project name: Table

Package version: 1.0.3

Version of document	Date	Description
0	Jun 17,2021	Document created

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## INTRODUCTION

This document describes the SAP Build Process Automation sample **Sample Table** and provides the following information:

- Description (functional and technical)
- Version used to generate this sample

It also contains information on prerequisites, such as the steps to follow before launching the agent.

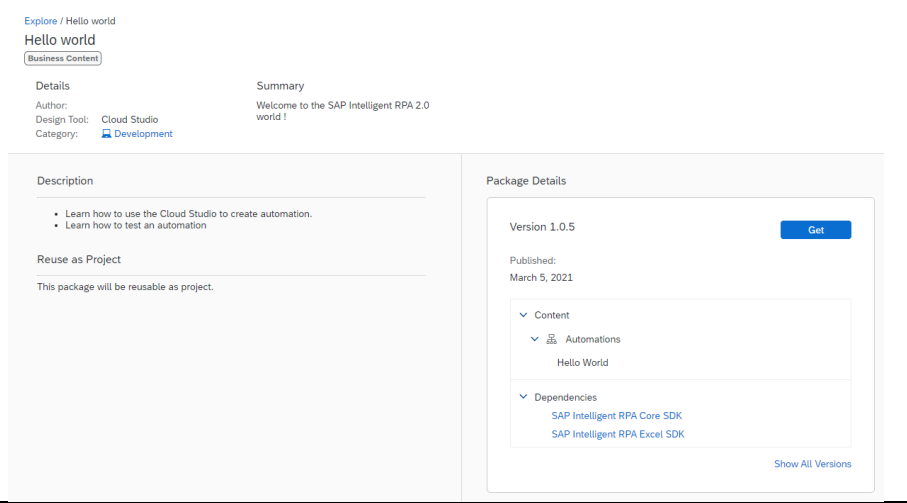
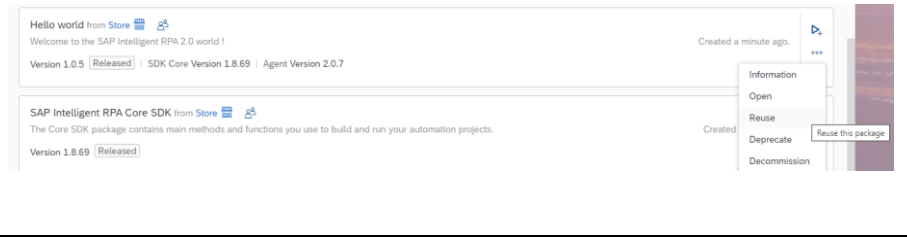
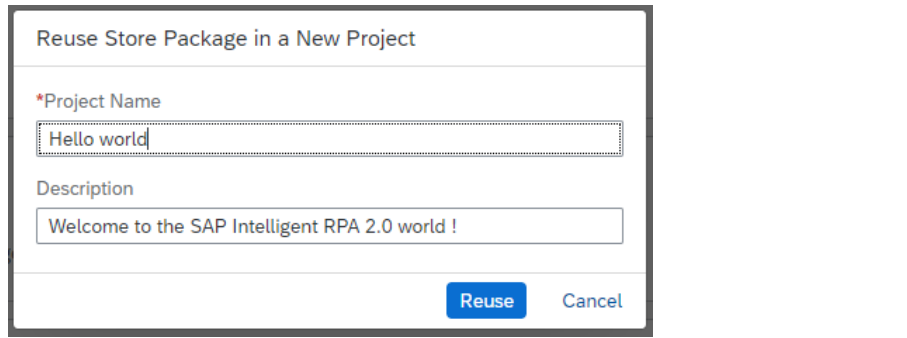
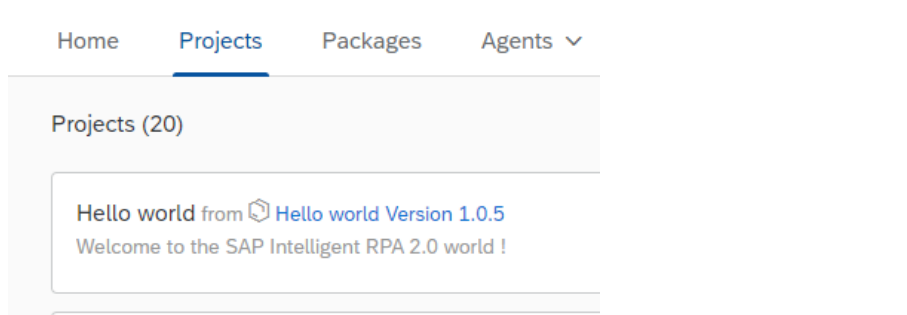
## IMPORTANT RECOMMENDATION

### General

To use this sample, you need to have a basic knowledge and understanding of SAP Build Process Automation tool. At the very least you need to know how to build an automation, add and modify activities and generate a package.

### Reuse the sample as a new project

*Note: screenshot might display a different name than the one of this sample.*

<p>From the Cloud Factory, open the Store tab and select the sample you want to retrieve.</p> <p>Click on the <b>Get</b> button.</p>	 <p>Explore / Hello world Hello world (Business Content)</p> <p>Details Author: Cloud Studio Design Tool: Cloud Studio Category: Development</p> <p>Summary Welcome to the SAP Intelligent RPA 2.0 world !</p> <p>Description</p> <ul style="list-style-type: none"> <li>Learn how to use the Cloud Studio to create automation.</li> <li>Learn how to test an automation</li> </ul> <p>Reuse as Project This package will be reusable as project.</p> <p>Package Details</p> <p>Version 1.0.5 <b>Get</b></p> <p>Published: March 5, 2021</p> <p>Content</p> <ul style="list-style-type: none"> <li>Automations             <ul style="list-style-type: none"> <li>Hello World</li> </ul> </li> </ul> <p>Dependencies</p> <ul style="list-style-type: none"> <li>SAP Intelligent RPA Core SDK</li> <li>SAP Intelligent RPA Excel SDK</li> </ul> <p>Show All Versions</p>
<p>Once the package is retrieved, open the Packages tab of the Cloud Factory.</p> <p>Click on the Options button of the package you just retrieved and select the option <b>Reuse</b>.</p>	 <p>Hello world from Store Welcome to the SAP Intelligent RPA 2.0 world ! Version 1.0.5 (Released)   SDK Core Version 1.8.69   Agent Version 2.0.7 Created a minute ago.</p> <p>SAP Intelligent RPA Core SDK from Store The Core SDK package contains main methods and functions you use to build and run your automation projects. Version 1.8.69 (Released) Created</p> <p>Information Open Reuse Deprecate Decommission</p> <p>Reuse this package</p>
<p>Set a name for the project to be created.</p>	 <p>Reuse Store Package in a New Project</p> <p>*Project Name Hello world</p> <p>Description Welcome to the SAP Intelligent RPA 2.0 world !</p> <p>Reuse Cancel</p>
<p>Open the project that has just been created.</p>	 <p>Home Projects Packages Agents</p> <p>Projects (20)</p> <p>Hello world from Hello world Version 1.0.5 Welcome to the SAP Intelligent RPA 2.0 world !</p>
<p>If needed, update the content of this project, and generate a new package from it.</p>	

You need to execute this procedure to be able to open the project and see all its content (the captured applications, the declared items, the automations, etc.).

## DESCRIPTION

This package contains captures, datatype and automations that are described below. See chapter [Version](#) for more details about the version of the Desktop Agent and the SDK dependencies.

### Settings

This section describes the settings of the project such as environment variables or dependent packages that are used in the automation.

#### **Environment variables**

N/A

#### **Dependent packages**

N/A

### Captures

This section describes the captures which were made to pilot the application in this sample. It will also describe the different methods which were used to capture the pages and declare the items.

#### **Samples - Table**

**Type:** WEB

**Framework:** SAPUI5

Screen	Description
Samples - Table	The item Table belongs to Element Class: SAPUI5 Table, and it uses class and text as criterions

### Datatypes

This section describes the datatype used in this sample. It describes the structure of the datatype and where it is used in the automations.

N/A

### Alerts

This section describes the alerts used in this sample. It describes the structure of the alert.

N/A

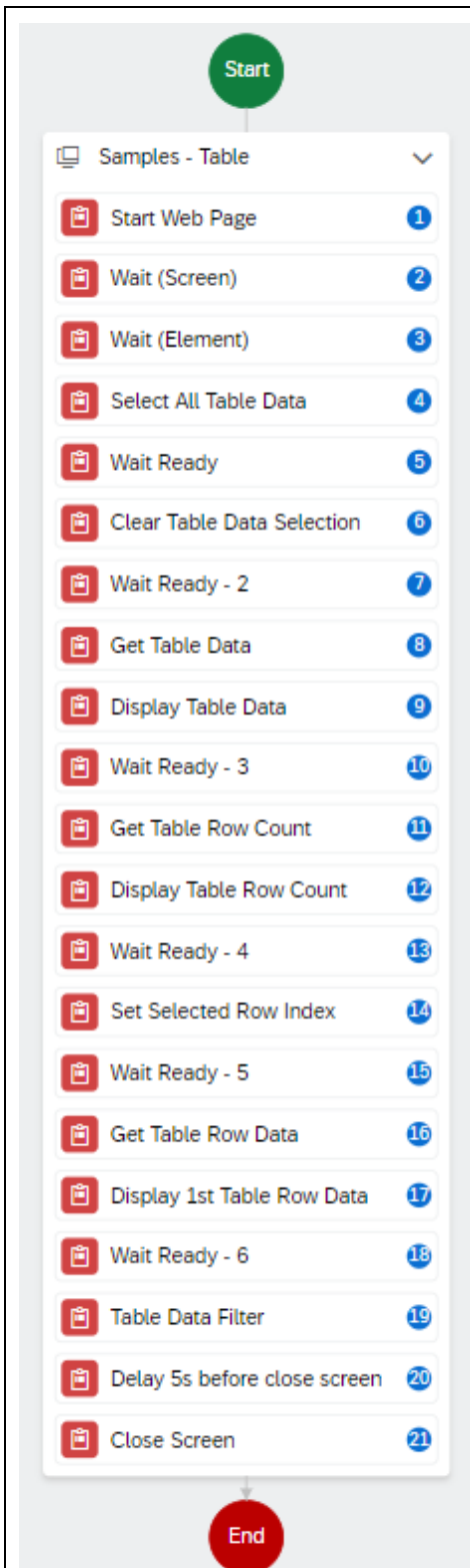
### Automations

#### **Table**

**Type:** Attended / Unattended

**Input:** N/A

**Output:** N/A



First the agent starts the web page

<https://sapui5.hana.ondemand.com/1.86.0/#/entity/sap.ui.table.Table/sample/sap.ui.table.sample.Filtering> in Chrome.

Wait for the table element ready, then select all table data and wait for some time to show the result. Then clear table data selection and get the whole table information. And log the information. Next, get the table row count and log the information. Then select the number 0 row and log that line table information. Finally, filter the table with 'ITeIO Vault'.

When finish all the activities, close the screen.



## VERSION

The product versions used to generate this sample are detailed below. This sample is provided “as is”, with no warranty that it will work correctly with other versions. If some versions of your software are different (such as the tool version or the target application version), you may need to recapture the application and/or update the workflow activities.

### SAP Build Process Automation

This sample targets the Desktop Agent **2.0.112** or higher.

The following SDK dependencies were used to generate this sample:

irpa_core	1.11.5855
irpa_excel	1.12.55N/A
irpa_outlook	N/A
irpa_pdf	N/A
irpa_ui5	1.11.5855
irpa_word	N/A
irpa_powerpoint	N/A

See [documentation](#) for more details about the compatibility between SDK version and Desktop Agent.

### Target application

Application	Version
SAPUI5 SDK Demo Kit ( <a href="https://sapui5.hana.ondemand.com/1.86.0/#/entity/sap.ui.table.Table/sample/sap.ui.table.sample.Filtering">https://sapui5.hana.ondemand.com/1.86.0/#/entity/sap.ui.table.Table/sample/sap.ui.table.sample.Filtering</a> )	N/A Date of last test: 2021/06/17

## PREREQUISITES

### **Global setup**

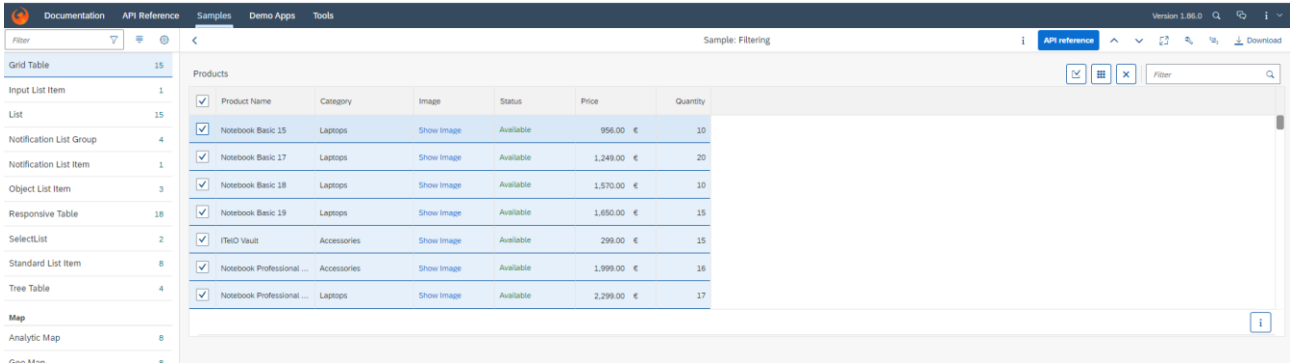
SAP Build Process Automation must be installed in accordance with the installation guide available [here](#). An SAP Build Process Automation Factory must be available with a suitable environment (containing an agent). All information can be found in the “Getting Started” section accessible via the above link.

### **Specific steps to follow before launching the agent**

N/A

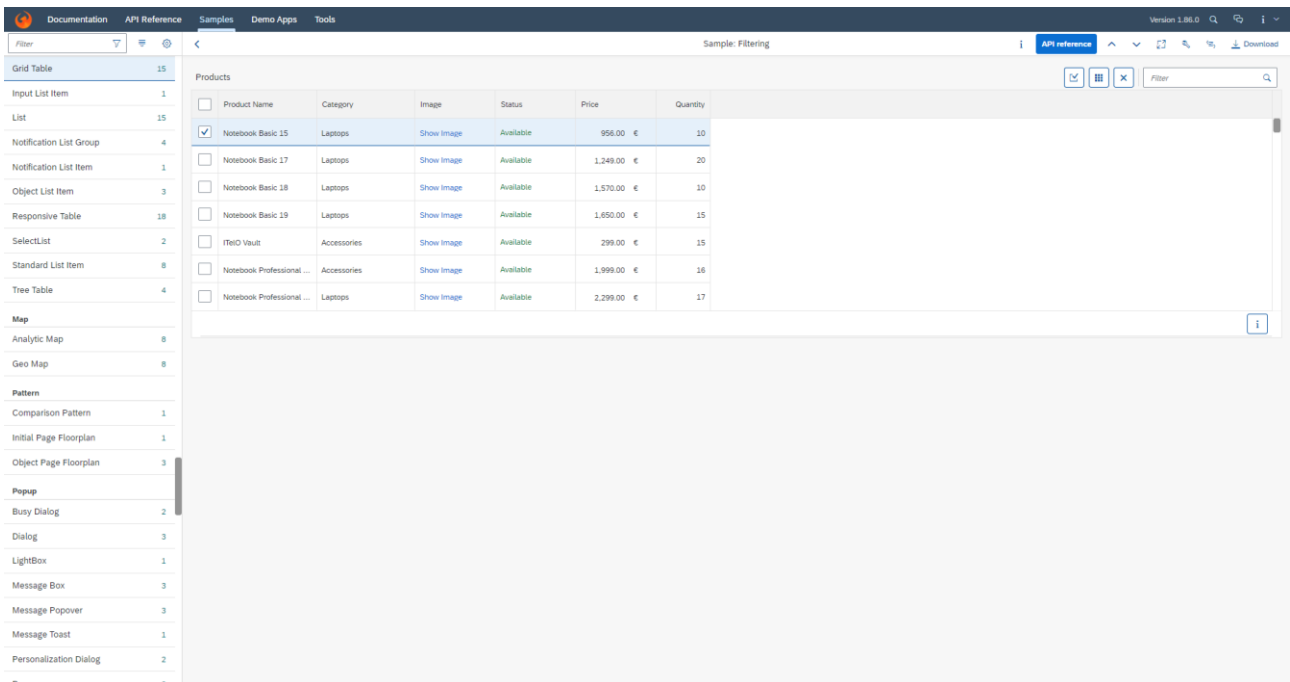
## EXPECTED OUTPUT

Bot select all table data. Then clear table data selection and get the whole table information. And log the information. Next, get the table row count and log the information. Then select the number 0 row and log that line table information. Finally, filter the table with 'ITeO Vault'.



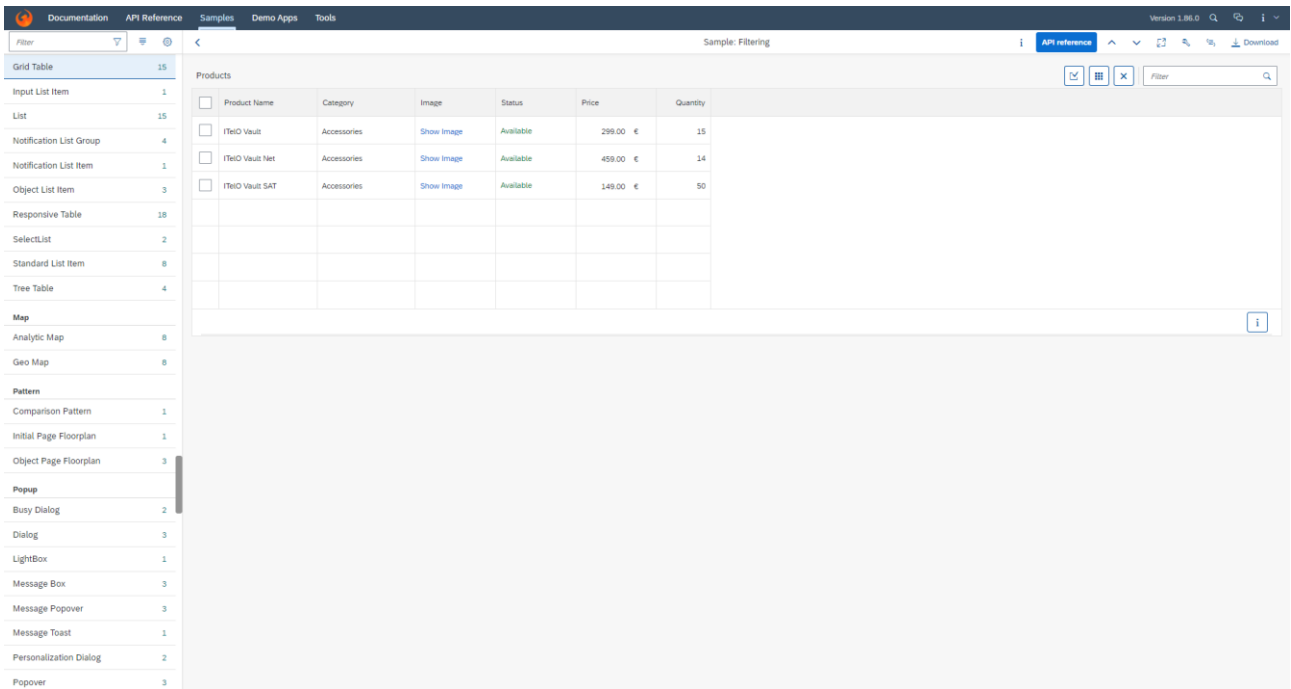
The screenshot shows a web application interface with a sidebar on the left containing a list of components and their counts. The main area displays a table titled 'Products' with the following data:

<input checked="" type="checkbox"/>	Product Name	Category	Image	Status	Price	Quantity
<input checked="" type="checkbox"/>	Notebook Basic 15	Laptops	Show Image	Available	956.00 €	10
<input checked="" type="checkbox"/>	Notebook Basic 17	Laptops	Show Image	Available	1,249.00 €	20
<input checked="" type="checkbox"/>	Notebook Basic 18	Laptops	Show Image	Available	1,570.00 €	10
<input checked="" type="checkbox"/>	Notebook Basic 19	Laptops	Show Image	Available	1,650.00 €	15
<input checked="" type="checkbox"/>	ITeO Vault	Accessories	Show Image	Available	299.00 €	15
<input checked="" type="checkbox"/>	Notebook Professional ...	Accessories	Show Image	Available	1,999.00 €	16
<input checked="" type="checkbox"/>	Notebook Professional ...	Laptops	Show Image	Available	2,299.00 €	17

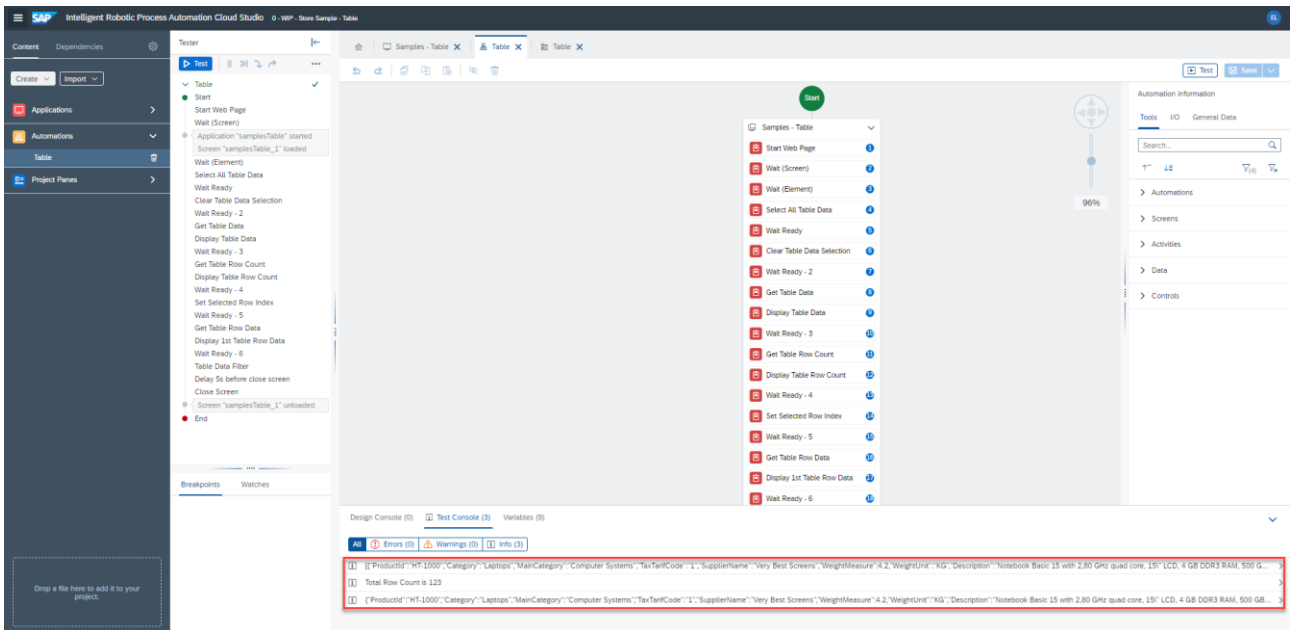


The screenshot shows the same web application interface, but now only the first row of the 'Products' table is selected. The sidebar on the left is scrolled down to show more components.

<input type="checkbox"/>	Product Name	Category	Image	Status	Price	Quantity
<input checked="" type="checkbox"/>	Notebook Basic 15	Laptops	Show Image	Available	956.00 €	10
<input type="checkbox"/>	Notebook Basic 17	Laptops	Show Image	Available	1,249.00 €	20
<input type="checkbox"/>	Notebook Basic 18	Laptops	Show Image	Available	1,570.00 €	10
<input type="checkbox"/>	Notebook Basic 19	Laptops	Show Image	Available	1,650.00 €	15
<input type="checkbox"/>	ITeO Vault	Accessories	Show Image	Available	299.00 €	15
<input type="checkbox"/>	Notebook Professional ...	Accessories	Show Image	Available	1,999.00 €	16
<input type="checkbox"/>	Notebook Professional ...	Laptops	Show Image	Available	2,299.00 €	17



After the bot completes the automation execution, user can go to Test Console to check the log messages which display the table data, table row count and table row data.



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