



# How to use Tree Table Control on UI5 page

Project name: Tree Table

Package version: 1.0.11

Version of document	Date	Description
1	November 30, 2021	Document created

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## INTRODUCTION

This document describes the SAP Build Process Automation sample **CalendarTable** 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.

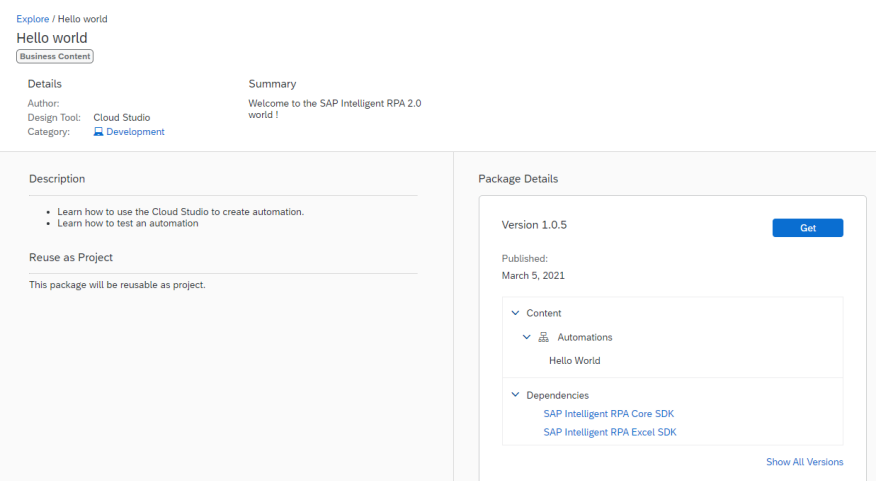
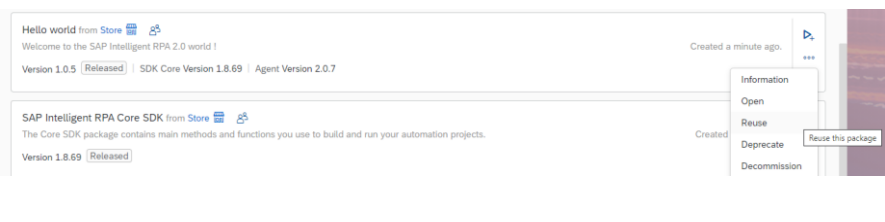
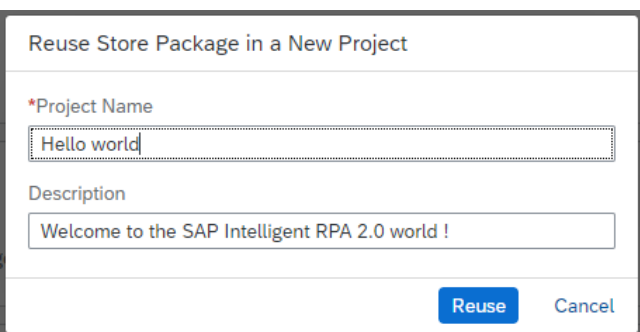
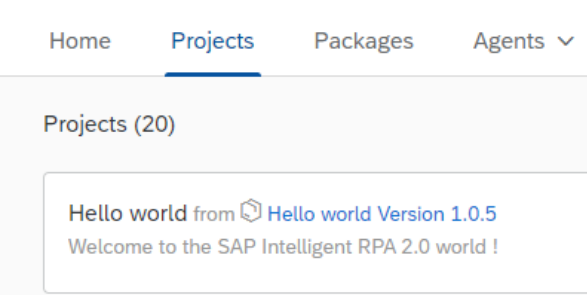
# IMPORTANT RECOMMENDATION

## 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 Version 1.0.5 <b>Get</b></p> <p>Published: March 5, 2021</p> <p>Content Automations Hello World</p> <p>Dependencies SAP Intelligent RPA Core SDK SAP Intelligent RPA Excel SDK</p> <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-Tree Table**

**Type:** WEB

**Framework:** SAPUI5

Screen	Description
Samples – Tree Table	The item TreeTable belongs to Element Class: SAPUI5 Tree Table, and it uses class as criterions, and the item is recognized as a collection.

### 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

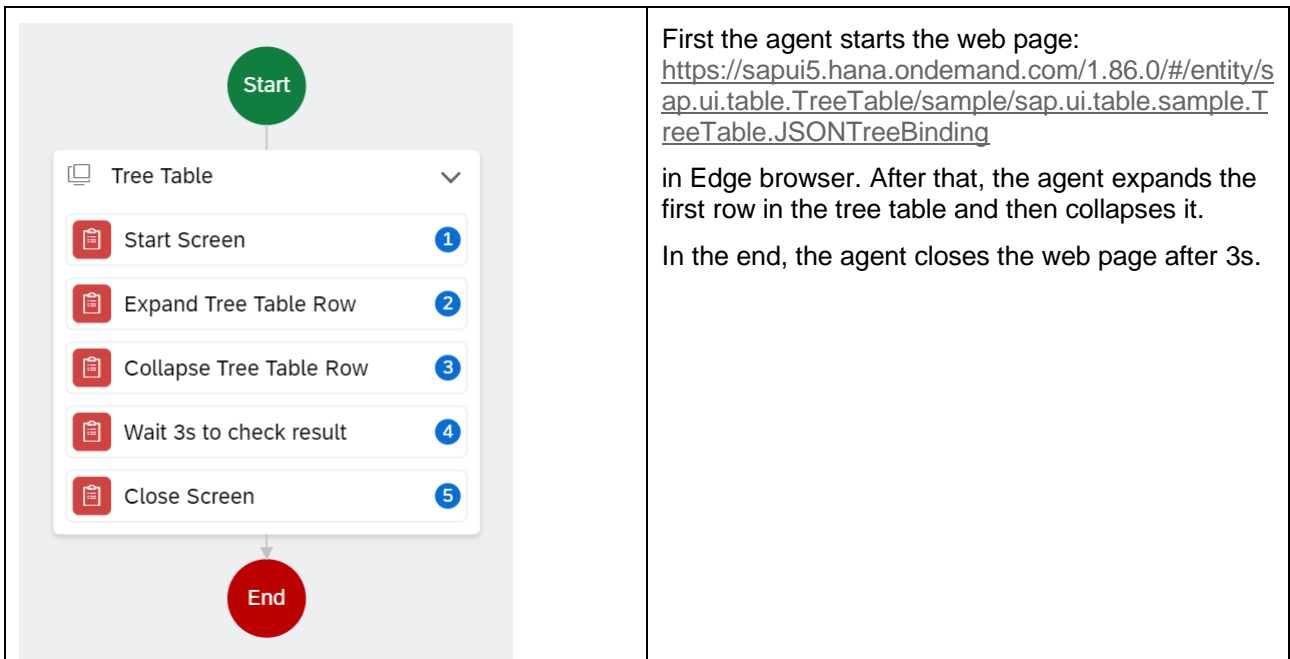
### Automations

#### **Tree Table**

**Type:** Attended / Unattended

**Input:** None

**Output:** None



First the agent starts the web page:  
<https://sapui5.hana.ondemand.com/1.86.0/#/entity/sap.ui.table.TreeTable/sample/sap.ui.table.sample.TreeTable.JSONTreeBinding>

in Edge browser. After that, the agent expands the first row in the tree table and then collapses it.

In the end, the agent closes the web page after 3s.



## 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 **2.0.1018** or higher.

The following SDK dependencies were used to generate this sample:

irpa_core	1.18.85
irpa_excel	1.18.85
irpa_outlook	N/A
irpa_pdf	N/A
irpa_ui5	1.18.85
irpa_word	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.TreeTable/sample/sap.ui.table.sample.TreeTable.JSONTreeBinding">https://sapui5.hana.ondemand.com/1.86.0/#/entity/sap.ui.table.TreeTable/sample/sap.ui.table.sample.TreeTable.JSONTreeBinding</a> )	N/A Date of last test: 2021/11/30

## 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

During bot running, it expands the first row in the tree table and then collapses it. User will see the screen as below during bot execution.

The screenshot shows a web application interface with a dark blue header. The header contains navigation links: Documentation, API Reference, Samples, Demo Apps, and Tools. On the right side of the header, it displays 'Version 1.86.0' and icons for search, home, and user profile. Below the header, there is a search bar labeled 'Filter' and a breadcrumb trail 'Sample: JSONTreeBinding'. A blue button labeled 'API reference' is visible. The main content area is divided into two parts. On the left is a 'Tree Table' with a list of items and their counts. On the right is a data table titled 'Clothing' with columns for 'Categories', 'Price', and 'Size'. The 'Categories' column is expanded to show a tree structure of clothing items.

Tree Table	Count	Categories	Price	Size
<b>Map</b>				
Analytic Map	8	<input type="checkbox"/> <b>Women</b>		
Geo Map	8	<input type="checkbox"/> > Clothing		
<b>Pattern</b>				
Comparison Pattern	1	<input type="checkbox"/> > Jewelry		
Initial Page Floorplan	1	<input type="checkbox"/> > Handbags		
Object Page Floorplan	3	<input type="checkbox"/> > Shoes		
<b>Popup</b>				
Busy Dialog	2	<input type="checkbox"/> > Men		
Dialog	3	<input type="checkbox"/> > Girls		
LightBox	1	<input type="checkbox"/> > Boys		