



# How to use T Account Control on UI5 page

Project name: T Account

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 **T Account** 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.

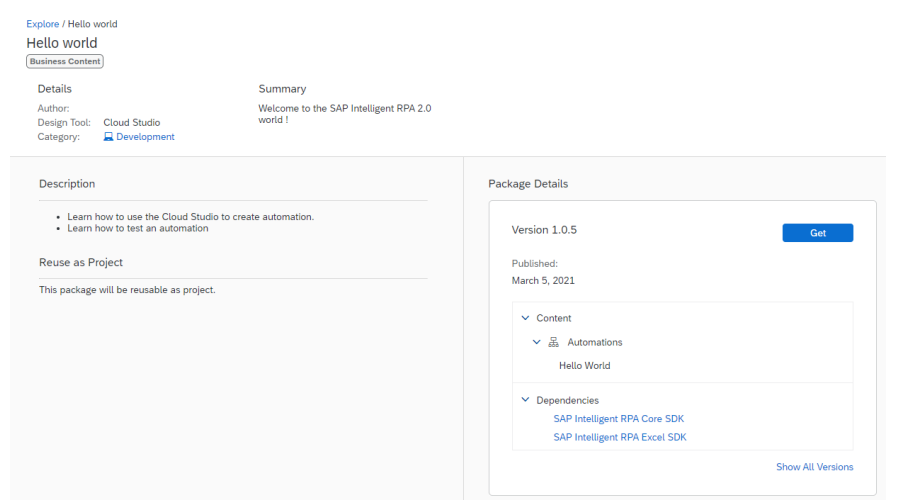
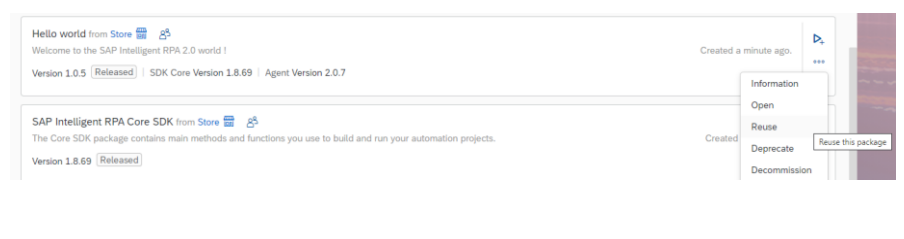
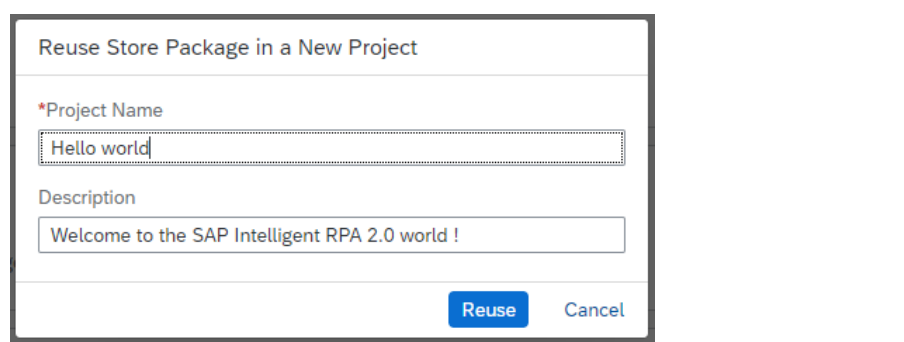
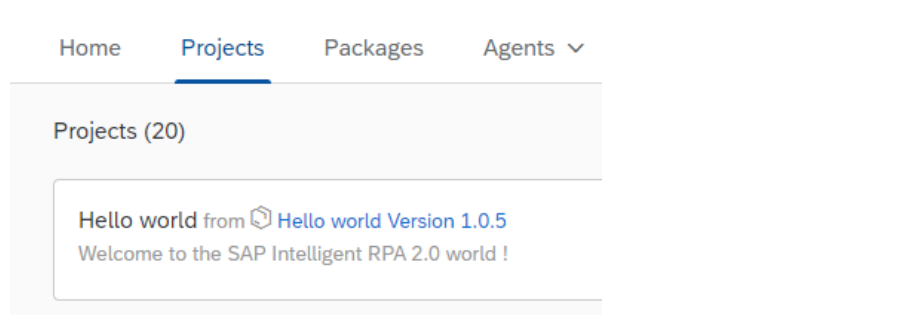
# IMPORTANT RECOMMENDATION

## 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  <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> <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  <ul style="list-style-type: none"> <li>Automations Hello World</li> </ul> </p> <p>Dependencies  <ul style="list-style-type: none"> <li>SAP Intelligent RPA Core SDK</li> <li>SAP Intelligent RPA Excel SDK</li> </ul> </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-TAccount**

**Type:** WEB

**Framework:** SAPUI5

Screen	Description
Samples - TAccount	The item Metal Detectors belongs to Element Class: SAPUI5 T Account, 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

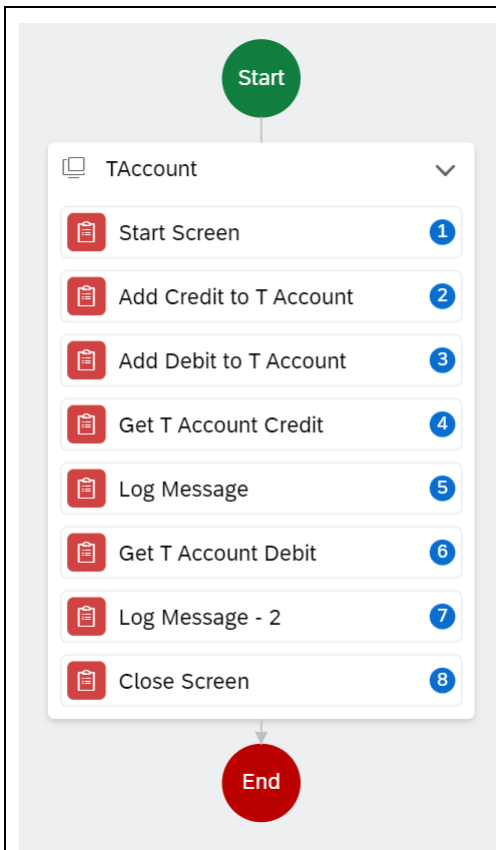
### Automations

#### **TAccount**

**Type:** Attended / Unattended

**Input:** None

**Output:** None



First the agent starts the web page:  
<https://sapui5.hana.ondemand.com/1.86.0/#/entity/sap.suite.ui.commons.taccount.TAccount/sample/sap.suite.ui.commons.sample.TAccount>

in Edge Browser. Then it adds a credit amount to the credit part of a T account and adds a debit amount to the debit part of a T account. After that, the agent retrieves the amount of a selected credit/debit entry in a T account and display the information as log messages.

In the end, the agent closes the web page.



## 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.suite.ui.commons.taccount.TAccount/sample/sap.suite.ui.commons.sample.TAccount">https://sapui5.hana.ondemand.com/1.86.0/#/entity/sap.suite.ui.commons.taccount.TAccount/sample/sap.suite.ui.commons.sample.TAccount</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 adds a credit amount to the credit part of a T account and adds a debit amount to the debit part of a T account.. User will see the screen as below before the web page is closed.

The screenshot displays the SAP T-account interface for 'Title Bank Account'. The total debit is 280,663.16 EUR. The interface shows several T-accounts with their respective debit and credit amounts. A red box highlights the 'Metal Detectors (A)' account, which has a debit of 121,400.00 EUR and a credit of 2,000.00 EUR. The 'Metal Detectors (A)' account is also highlighted in the test console below.

Account	Debit	Credit
Cash (A)	168,086.84 EUR	
Land (A)	103,400.00 EUR	
Dividends Payable (L)	400.00 EUR	
Buildings (A)	85,400.00 EUR	
Income Taxes Payable (L)	230.00 EUR	
Interest Receivable (A)	650.00 EUR	
Accounts Receivable (A)	4,600.00 EUR	
Notes Receivable (A)	900.00 EUR	
Unearned Rental Revenue (L)	700.00 EUR	
Retained Earnings (SE)	161,380.00 EUR	
Inventory (A)	650.00 EUR	
Metal Detectors (A)	121,400.00 EUR	2,000.00 EUR

After the bot completes the automation execution, it will close the web page. User can check the test console area to find the result.

The screenshot shows the SAP Intelligent Robotic Process Automation Cloud Studio interface. The test console at the bottom displays the results of the automation execution. The console shows two information messages: '2000' and '120000', both highlighted with red boxes. The test console also shows the steps of the automation process, including 'Start', 'Add Credit to T Account', 'Add Debit to T Account', 'Get T Account Credit', 'Log Message', and 'Get T Account Debit'.