



## AUTOMATION RECORDING ASSISTANT (ARA)

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### Lesson 14 Exercise – Scan SAP with ARA

#### Objective

By the end of this exercise, you will be able to use ARA to create a recording, import the recording into Tosca, and access the created Modules and run the recorded TestCase.

#### Why is this important?

The Automation Recording Assistant allows you to quickly and easily capture business steps and technical criteria required for automation and import it into your Tosca project. ARA comes as part of your Tricentis Tosca license package (version 13.1 or higher) and does not need to be installed separately. However, ARA can also be accessed with a separate ARA license, and does not require a full Tosca license. This allows business users to automate processes without needing to understand or install Tosca, and then testers can import the ARA recording into their Tosca projects.

#### Instructions

Ensure you are logged into SAP GUI with your username and navigate to the main "**SAP Easy Access**" page.

1. Then open the application Automation Recording Assistant (ARA) which came as a standard part of your Tosca download. To do this search your system for "**Automation Recording Assistant**" or go to the **Start Menu >> Tricentis >> Automation Recording Assistant**.

Select "**Start recording**". Once the recorder loads, you will receive a prompt to interact with the interface to record your TestCase. All interactions you make with your mouse or keyboard on screen will be recorded

2. This will include looking at this exercise workbook as part of this training. To perform actions on screen without recording the steps (for example, to switch between this PDF and the SAP application), simply press "**Pause**" at the top of the ARA screen. Select the "**Resume recording**" icon to continue.

3. We will now record the whole VA01 transaction which we automated earlier in the course. In the command field, type "**/nVA01**" and press Enter or click the Green circle button with a white check mark inside.

4. On the "**Create Sales Order: Initial Screen**" page, fill in the values as seen in the table below and then press "**ENTER**":

SAP Field	Value
Order Type	OR
Sales Organization	1000
Distribution Channel	12
Division	00

5. On the "**Create Standard Order Overview**" page, fill in the values as seen in the table below and then press "**ENTER**":

TestStepValue	Value
Sold – To Party	1175
Ship -To Party	1175
PO Number	123
All Items:(Enter the following values into the cells in the 1st row under the header*):	
Item	2
Material	M-08
Order Quantity	5
Un	ST

6. In the Menu Bar, navigate to "**GoTo**", then "**Header**" and then click on "**Sales**".

- When recording, use your mouse to select the "**Document Date**" text box on the "**Create Standard Order: Header Data**" page in SAP. Type in tomorrow's date in the format "**dd.mm.yyyy**" and press "**Enter**". Then press "**Save**".
- Switch to Verify mode in ARA and click on the success message in the status bar to verify that the Standard Order has been saved.
- Turn off Verify mode. Close the transaction by typing "**/n**" into the Command Field, and press "**Enter**".
- Stop your recording. Take a look at your recorded steps. Ensure that you remove any steps you recorded that were unnecessary. To do this, click on the ellipses (...) next to any other steps and select "**Remove this step**" to remove them from your imported ARA Modules. You can only remove steps after you have stopped your recording.
- Click on the "**Save**" icon on the top-right of the ARA screen and select any path for saving the output from this recording. Name the file "**VA01 ARA.ara**".
- Go back into Tosca, and navigate to the "**Project**" button on your "**Home**" tab. Right click on your Project root and select "**Import recorded TestCase from ARA**" from the context menu. Navigate to the file path where you stored your ARA recording, and select "**VA01 ARA.ara**" to import the ARA recording. A Component Folder will be created called "**VA01 ARA**", and within it you will have Modules within a Recorded Modules Folder, and a TestCase within a TestCaseFolder.
- Please check the naming of the Modules for readability. Try to clean up your TestCase to make it dynamic, business readable, and reusable. Confirm that the steps included in the TestCase are all valid (as mentioned before – remove any steps that were recorded in error). You may also compare your TestCase and Modules to those created earlier for "**01 Generate and Verify Sales Order**". Run in the ScratchBook to test it out.
- When you're finished working, set the TestCase WorkState to "**COMPLETED**" and save changes.

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## Hints

- » At this point, everyone's imported TestCases or Modules may look slightly different depending on how you recorded your interactions, whether you used keyboard shortcuts or mouse clicks, etc. The key thing to notice is how the imported TestCase and Modules compare to the automated TestCase we created earlier. The TestCase is ready to run and could be created easily in ARA by a business user. However, the Automation Specialist would now have to ensure reusability and longevity of the TestCase by turning static values into dynamic values (dynamic date, dynamic verification). They may also need to replace the recorded Modules with Standard Modules in some instances. We will not complete these steps together in the exercise because they will be different for each user.