Tricentis

NeoLoad Training
V2023.2

Exercises

Exercise 1

After completing this exercise, you will be able to:

- Use the Tricentis training environment
- Record a simple User Path with NeoLoad
- Recognize the components of a User Path

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Exercise 1

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	Steps to Perform	Transactions	Application
1	Start a Recording. Click the Start Recording ● button.		
2	Name the User Path '**Exercise 01 - Browser**'		
3	Pick the browser type you are going to use for recording and click '**OK**'. If you get a pop-up asking you to close your browser, then close it before recording.		
Make sure you have copied the JPetStore URL to your clipboard (**http://training.local:8080/jpetstore/**)			
4	Paste the URL in the browser and launch JPetStore	**Home**	
5	Click the '**Enter the Store**' link	**Enter Store**	
6	Select any pet from one of the images	**Select Category**	
7	Click on one of the products	**Select Product**	
8	Click on one of the items	**Select Item**	
9	Click the '**Add to Cart**' button	**Add to Cart**	
10	Click the '**Stop the recording**' ■ button		
11	Click the '**Finish**' Finish button on the '**Post-recording Wizard**' window		
12	Navigate through User Path '**Exercise 01 - Browser**' and see how it's built		

Finished

Exercise 2

After completing this exercise, you will be able to:

- Record a more structured User Path with NeoLoad
- Use the ‘Flag’ feature to find information in a User Path

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Exercise 2

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	Steps to Perform	Transactions	Application
1	Start a Recording. Click the Start Recording ● button.		
2	Name the User Path '**Exercise 02 - Searcher**'		
3	Pick the browser type you are going to use for recording and click '**OK**'. If you get a pop-up asking you to close your browser, then close it before recording.		
Make sure you have copied the JPetStore URL to your clipboard (**http://training.local:8080/jpetstore/**)			
4	Paste the URL in the browser and launch JPetStore	**Home**	
5	Click the '**Enter the Store**' link	**Enter Store**	
6	Enter '**Amazon Parrot**' into the search field on JPetStore		
7	Click on the '**Search**' link	**Search**	
8	Click on the '**Great companion for up to 75 years**' link	**Companion**	
9	Click on the **item ID** of '**EST-18**' link	**Select Item**	
10	Click the '**Stop the recording**' ■ button		
11	Click the '**Finish**' Finish button on the '**Post-recording Wizard**' window		
12	Use the (**'Flag Requests'**) feature, '**whose definition contains**', to look for **'Amazon**' and '**EST-18**' • **Search is case sensitive**		

Finished

Exercise 3

After completing this exercise, you will be able to:

- Understand how technical parameters may influence a VU profile

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Exercise 3 (page 1 of 2)

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	Steps to Perform	Transactions	Application
1	Start a Recording. Click the Start Recording ● button.		
2	Name the User Path '**Exercise 03 - Buyer**'		
3	Pick the browser type you are going to use for recording and click '**OK**'. If you get a pop-up asking you to close your browser, then close it before recording.		
Make sure you have copied the JPetStore URL to your clipboard (**http://training.local:8080/jpetstore/**)			
4	Paste the URL in the browser and launch JPetStore	**Home**	
5	Log into JPetStore by clicking the '**Sign-in**' link. Keep the defaults.	**Login**	
6	Click the '**Submit**' button	**Submit**	
7	Select any pet from one of the images	**Select Category**	
8	Click on one of the products	**Select Product**	
9	Click on one of the items	**Select Item**	
10	Click the **'Add to Cart'** Add to Cart button	**Add to Cart**	
11	Click the '**Proceed to Checkout**' Proceed to Checkout button	**Checkout**	

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Exercise 3 (page 2 of 2)

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	Steps to Perform	Transactions	Application
13	Click the '**Continue**' button on the '**Checkout Summary**' page	**Checkout Summary**	
14	Click the '**Submit**' button on the '**Payment Details**' page	**Payment Details**	
15	Click the '**Continue**' button on the '**Order Details**' page	**Order Details**	
16	Logout of JPetStore by clicking the '**Sign-out**' link	**Logout**	
17	Click the '**Stop the recording**' button		
18	Click the button on the Post-Recording Wizard		
19	Click the (Check a user path) button to check the validity of why this might have failed the test		

Do not try to fix the issue here…..this will be addressed in the next exercise

Finished

Exercise 4

After completing this exercise, you will be able to:

- **Correlate dynamic parameters with NeoLoad**

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Exercise 4 (page 1 of 4)

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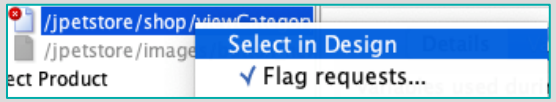
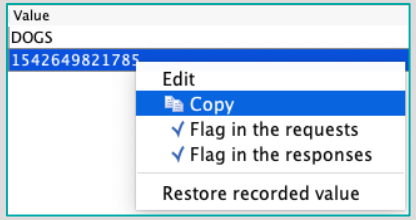
	Steps to Perform	Transactions	Application
Duplicate the User Path from **'Exercise 03 - Buyer'** and name this one '**Exercise 04 - Buyer**'			
1	Click the (Check a user path) button to check the validity of why this might have failed the test		
2	Open the Check a user path , on the '**Exercise 04 - Buyer**', and locate the request with the HTTP 500 error by clicking on the small red icon in the upper right of the window.		
3	Right-click on the failed request, in the tree window, and select the option '**Select in Design**' to go back to the Controller 		
Request should contain a value for **ID** equal to something like:			
4	Right-click on the **ID** value and select '**Copy**' to copy the number to your clipboard 		

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Exercise 4 (page 2 of 4)

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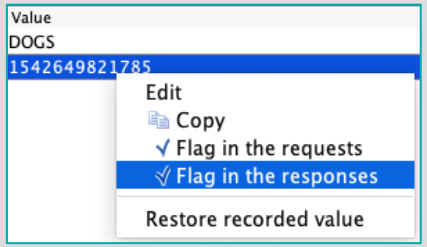
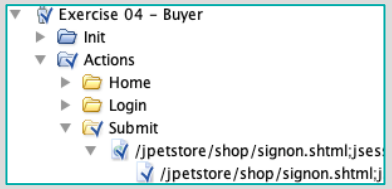
	Steps to Perform	Transactions	Application
5	Right-click on the **ID** number and select '**Flag in the Responses**' which will then identify a response, in the tree, with a blue check-mark. This is the response where the **ID** number resides		
There could be more than one transaction/page/request with a Blue checkmark. Choose the first one which appears in the User Path			
6	Go to the request that has the check-mark: • "**Submit**" Transaction • "/jpetstore/shop/signon.shtml" page • "/jpetstore/shop/signon.shtm;jsessionid=*###*###*# " request		
7	Click the '**Advanced**' button to see the '**Advanced Parameters**' of the page		
8	Click the '**Variable extractors**' tab then click the **'Create a new extractor'** button		
9	On the '**Variable Extractor**' window, name the extraction '**Extracted_ID**'		

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Exercise 4 (page 3 of 4)

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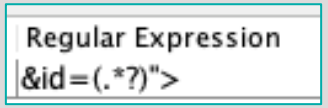
	Steps to Perform	Transactions	Application
10	Click the **'Text Picker'** button, in the '**Starting with:**' section of the window		
11	On the '**Response text picker**' window, paste the **ID** number, that you copied earlier, into the '**Find**' field and NeoLoad should highlight the value in the response section of the window: • <a href="/jpetstore/shop/viewCategory.shtml?categoryId=FISH&id=**1539781916831**">		
12	Select the left boundary of the value: **&id=** and click the Pick selected text button		
13	Click the '**Text Picker**' button in the '**Ending with**' section		
14	Select the right boundary of the value: **">** and click the Pick selected text button		
15	Click the OK button to complete the creation of the variable extraction		
NeoLoad has automatically created the Regular Extraction: **&id=(.*?)">**			
16	Single-click the '**Extracted_ID**' line to highlight it		

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Exercise 4 (page 4 of 4)

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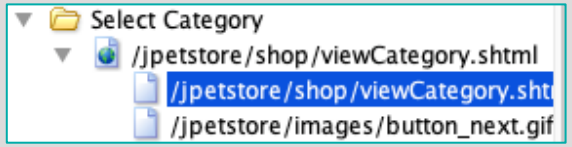
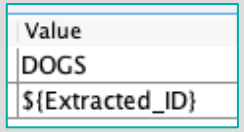
	Steps to Perform	Transactions	Application
17	Click the Search and replace... button to search for values that match the RegEx and replace them		
18	On the '**Search and Replace**' window click the Replace all button to change the values		
19	Click the OK button to complete the replacement action		
20	Click the OK button to exit the '**Advanced Parameters**' window		
	Go back to the request that had the ID number we originally searched: • "**Select Category**" Transaction • /jpetstore/shop/viewCategory.shtml" request		
You should now see **${Extracted_ID}**			
21	Click the (Check a user path) button to check the validity. The test should now **PASS**		

Finished

Exercise 5

After completing this exercise, you will be able to:

- **Create and utilize variables**

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Exercise 5 (page 1 of 7)

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	Steps to Perform	Transactions	Application
‘**users.csv**’ can be found in the “C:\Users\OrasiLabs\Desktop\Class Files\NeoLoad Training Materials” folder			
Duplicate the User Path from **‘Exercise 04 – Buyer’** and name this one ‘**Exercise 05 - Buyer**’			
1	On the ‘**Exercise 05 - Buyer**’ User Path, open the ‘**Select Category**’ transaction and click the request: • /jpetstore/shop/viewCategory.shtml		
2	Right-click on the **Category** value (‘whateverValueYouUsed’) select ‘**Copy**’ to copy to your clipboard		
3	Right-click on the **Category** value and select ‘**Flag in the Responses**’ which will then identify a response in the tree, causes a blue checkmark in the User Path. This is the response where the Category value resides in a response.		
4	Go to the request …. • ‘**Submit**’ Transaction • ‘/jpetstore/shop/signonForm.shtml’ request		
5	Click the ‘**Advanced**’ button to see the ‘**Advanced Parameters**’ of the page		
6	Click the ‘**Variable extractors**’ tab and click the **’Add**’ button		
7	Name this extraction ‘**Extracted_Category**’ and click the ’**Text Picker**’ button in the ‘**Starting with**’ section of this window		

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	Steps to Perform	Transactions	Application
8	On the '**Response text picker**' window, paste the Category value into the '**Find**' field and NeoLoad should highlight the value in the response section of the window: • "jpetstore/shop/viewCategory.shtml?categoryId=whateverValueYouUsed"><img border="0" src="../images/sm_dogs.gif"		
9	Select the left boundary of the value: **categoryId=** and click the Pick selected text button		
10	Click the '**Text Picker**' button in the '**Ending with**' section		
11	Select the left boundary of the value: **"><img border=** and click the Pick selected text button		
12	Click the OK button to complete the creation of the variable extraction		
NeoLoad has automatically created the Regular Extraction: **categoryId=(.*?)"><img border**			
13	Click the OK button to to close out of the '**Advanced Parameters**' window		
14	Go back to the request where the Category was hardcoded: • /jpetstore/shop/viewCategory.shtml		
15	Double-click on the '**Category**' value to open the '**Edit Request Parameter**' window		

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	Steps to Perform	Transactions	Application
16	Click on the ... button to get to the list of variables to choose from and select '**Extracted_Category**'		
17	Click the OK button twice to complete the variable pick		
NeoLoad should look like this:	Request parameters: Name / Value categoryId / ${Extracted_Category} id / ${Extracted_ID}		
18	Do the same steps (**5-17**) for the '**Select Product**' ,'**Select Item**' and '**Add to Cart**' transactions and handle the values of: • '**Extracted_productId**' Variable Name: Extracted_productId / Regular Expression: productId=(.*?)"> Name: productId / Value: ${Extracted_productId} • '**Extracted_itemId**' Variable Name: Extracted_itemId / Regular Expression: itemId=(.*?)"> Name: itemId / Value: ${Extracted_itemId}		
Next, we will create a new Variable for the UserID and Password login for JPetStore			
19	Create a new variable….Click the '**Variables**' icon, at the top of the NeoLoad window, to launch the '**Edit variables**' window		
20	Click the button (on the bottom left part of the window) to create a new variable.		
21	Select '**List**' as the type of variable to add. Name the list variable: '**Address**'.		

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	Steps to Perform	Transactions	Application
22	Add three (3) columns: '**City**', '**State**' and '**Zip Code**' then add four (4) rows with the following data: • Boston, MA, 02134 • Random Lake, WI, 53075 • Beverly Hills, CA, 90210 • Echo, OR, 97826		
23	Click the OK button to complete the creation of the variable		
24	Click the Apply and the. OK buttons to save the variable		
25	Open the '**Payment Details**' transaction and click the request with the payment details • **/jpetstore/shop/newOr**der.shtml		
Change '**order.billCity**', '**order.billstate**' and '**order.billZip**' fields by double-clicking to open the '**Edit Request Parameter**' window			
26	Double-click on the value '**Palo Alto**' field to open the '**Edit Request Parameter**' window		
27	Click on the ... button to get to the list of variables to choose from and select '**Address.City**' and do this for '**orderbillState**' value '**CA**' and '**order.billZip**' value '**94303**'		

City	State	Zip Code
Boston	MA	02134
Random L...	WI	53075
Beverly Hills	CA	90210
Echo	OR	97826

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	Steps to Perform	Transactions	Application
	The request should now look like this:		
	Make sure you have downloaded the 'Download user list' from the training site for use in this exercise		
	We will change the login for JPetStore to come from a file that contains user ids and passwords		
28	To add new users, click the '**Variables**' icon to launch the '**Edit variables**' window		
29	Click the button to create a new variable. Select '**File**' as the type of variable to add. Name the list variable '**Users**'.		

Name	Value
order.cardType	Visa
order.creditCard	999 9999 9999 9999
order.expiryDate	12/03
order.billToFirstName	ABC
order.billToLastName	XYX
order.billAddress1	901 San Antonio Road
order.billAddress2	MS UCUP02-206
order.billCity	${Address.City}
order.billState	${Address.State}
order.billZip	${Address.Zip Code}
order.billCountry	USA
x	38
y	9

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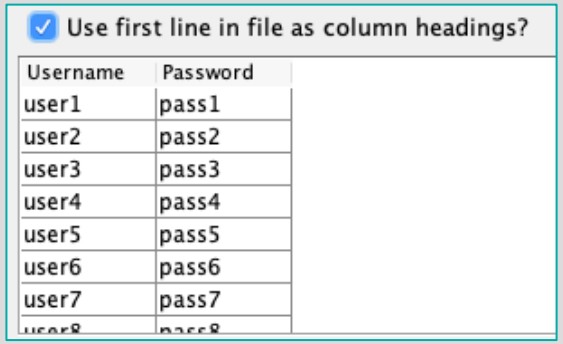
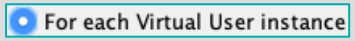
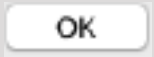
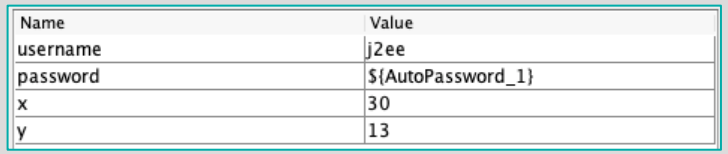
	Steps to Perform	Transactions	Application
30	Click on the ... button to find and load the '**users.csv**' that you downloaded earlier		
31	Click the '**Use first line in file as column headings?**' 		
32	Click the '**For each Virtual User instance**'  to have each VU have a different UserID/PW		
33	Click the  button to complete the creation of the new variable		
34	Click the button to accept the changes and then the button		
35	Go to the request …. • "Submit" Transaction • '/jpetstore/shop/signonForm.shtml' request 		

Name	Value
username	j2ee
password	${AutoPassword_1}
x	30
y	13

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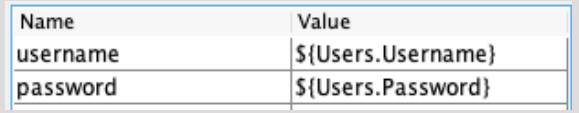
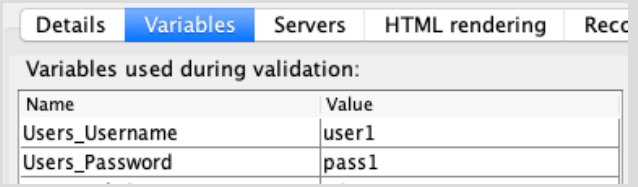
	Steps to Perform	Transactions	Application
Change the '**Username**' value and the '**password**' value to be pushed by the new variable '**Users**'			
36	Double-click on the '**username**' value field ('**j2ee**') to open the '**Edit Request Parameter**' window		
37	Click on the ... button to get to the list of variables to choose from and select '**Users.Username**' from the variable list.		
38	Click the OK button to complete the substitution of the new variable		
39	Do steps **#36-38** for the '**password**' value field as well 		
40	Click the '**Save**' button to save your work		
41	Click the (Check a user path) button to check the validity of the '**Exercise 05 - Buyer**' User Path		
On the '**Check the User Path validity**' window, select the '**Variables**' tab to validate that the data you manipulated has been handled 			

Finished

Exercise 6

After completing this exercise, you will be able to:

- Use the NeoLoad variables
- Handling an array
- How to concatenate variables
- Use of loop and while

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Exercise 6 (page 1 of 4)

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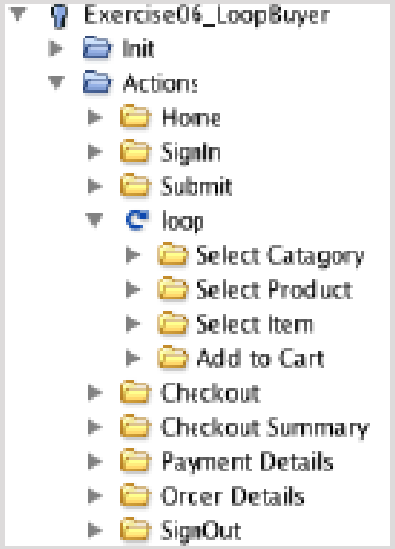
	Steps to Perform	Transactions	Application
We are going to modify the '**LoopBuyer**' in order to choose a pet from each category.			
1	Duplicate the '**Exercise 05 - Buyer**' User Path name this one '**Exercise 06 - LoopBuyer**'		
2	Add a **'Loop**' action Loop to the User Path by either dragging it up or right-clicking. Put the new loop just above the '**Select Category**' transaction		
3	Now move the '**Select Category**', '**Select Product**', '**Select Item**' and '**Add to Cart**' transactions into the loop		
The User Path should now look like this: 			

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Exercise 6 (page 2 of 4)

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	Steps to Perform	Transactions	Application
We now need to change the Variable Extraction that was done for the '**Category**' to extract all occurrences to build an array. But we will use the '**Flag**' feature to search for variable '**Extracted_Catagory**'			
4	Click the (Flag Requests) feature and select the '**with the variable**' with the variable: option		
5	Uncheck the option '**used in request**' since we want to just search in responses		
6	Use the ... picker button and select the '**Extracted_Category**' from the list of variables		
7	Click the OK button to complete adding the variable		
A blue checkmark should be on the User Path '**Submit**' identifying where, in a response, the extraction was done • /jpetstore/shop/signonForm.shtml			
8	On this request, click the Advanced... Advanced button to get to the '**Variable Extraction**' tab		
9	On the '**Variable Extraction**', double-click the Variable Name '**Extracted_Category**' to open it		
10	Click the '**Extract all occurrences**' Extract all occurrences radio button on the Variable Extractor window. You should now see the '**Test**' field state: [FISH,DOGS,REPTILES,CATS,BIRDS]		
Doing this tells NeoLoad to build an array of values it finds no matter the size of the array			
11	Click the OK button twice to complete the creation of the variable extraction		

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Exercise 6 (page 3 of 4)

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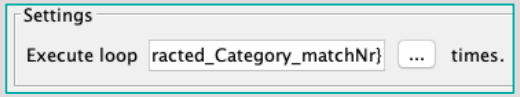
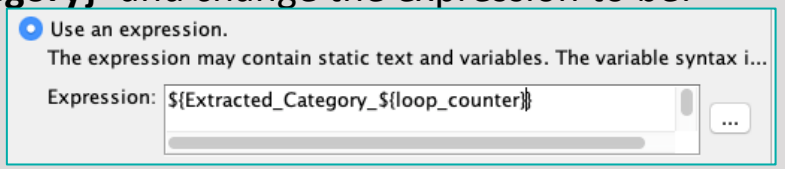
	Steps to Perform	Transactions	Application
We now need to tell the '**loop**' to pick from the array that was just created			
12	Click the '**loop**' Loop action, in the User Path, and change the '**Execute loop**' to the array		
13	Click on the ... button to get to the list of variables and choose '**Extracted_Catagory_matchNr**' and click the 'OK' OK button		
The field should now look like the following: 			
Now we need to change how NeoLoad handles the **Category ID** and make it loop as many times as the total number of categories. Here we will concatenate two variables together.			
14	Go to the request: • "**Select Category**" Transaction • **/jpetstore/shop/viewCategory.shtml"**		
15	Double-click the '**categoryId**' value '**${Extracted_Category}**' and change the expression to be: • '**${Extracted_Category_${loop_counter}}**'  • A '**loop_counter**' variable is created automatically when a **Loop** is added to a User Path		

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	Steps to Perform	Transactions	Application
16	Click the OK button to complete changing the variable		
17	Click the (Check a user path) button to check the validity of the '**LoopBuyer**' User Path		
18	On the '**Check the User Path validity**' window, select the name of the User Path '**Exercise 06 - LoopBuyer**' and you should see the results		

5 Categories

ID Extraction

Each Loop and what value was used for those loops

Finished

Variables extracted during validation:

Name	Value
Extracted_Catagory_matchNr	5
Extracted_Catagory_1	FISH
Extracted_Catagory_2	DOGS
Extracted_Catagory_3	REPTILES
Extracted_Catagory_rand	REPTILES
Extracted_Catagory_4	CATS
Extracted_Catagory_5	BIRDS
Extracted_ID	1539783384071
loop_counter	1
loop_counter	1
Extracted_Product	FI-SW-01
Extracted_Item	EST-1
loop_counter	2
Extracted_Product	K9-BD-01
Extracted_Item	EST-7
loop_counter	3
Extracted_Product	RP-SN-01
Extracted_Item	EST-11
loop_counter	4
Extracted_Product	FL-DLH-02
Extracted_Item	EST-17
loop_counter	5
Extracted_Product	AV-SB-02
Extracted_Item	EST-19

Exercise 7

After completing this exercise, you will be able to:

- Use of a JavaScript action within a User Path
- Writing information out to the logger

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Exercise 7 (page 1 of 2)

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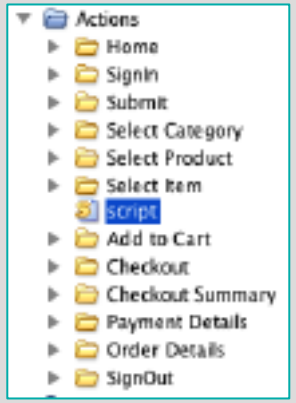
	Steps to Perform	Transactions	Application
1	Duplicate the '**Exercise 05 - Buyer**' User Path name it '**Exercise 07 - JS_Buyer**'		
We are going to insert a JavaScript action which will log an entry every time an item is added to the shopping cart			
2	Add a '**JavaScript**' action JavaScript to the User Path by either dragging it up or right-clicking. Put the new action just above the '**Add to Cart**' transaction		
The User Path should now look like this: 			
NeoLoad has some sample code already established for you to take advantage of but also there is an extensible library in the NeoLoad documentation for ways to utilize JS together with NeoLoad: • https://documentation.tricentis.com/neoload/latest/en/WebHelp/#985.htm			

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Exercise 7 (page 2 of 2)

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	Steps to Perform	Transactions
3	Edit the JavaScript to handle logging: • make sure variables are spell checked. Compiler is case sensitive • Look in the "logs" tab on the User Check Path for output from the script Note: your variable names might differ from the variables referenced in the example JavaScript. Be sure to verify/update variable names before running a user path check	
4	Click the '**Save**' button to save your work	
5	Click the (Check a user path) button to check the validity of the '**Exercise 07 - JS_Buyer**' User Path	

```
// Javascript skeleton.
// Edit and adapt to your needs.
// The documentation of the NeoLoad Javascript API
// is available in the appendix of the documentation.

// Get variable value from VariableManager
var category = context.variableManager.getValue("Extracted_Category");
var product = context.variableManager.getValue("Extracted_productId");
var item = context.variableManager.getValue("Extracted_itemId");

if (item==null) {
        context.fail("Variable 'item' not found");
}

// Do some computation using the methods
// you defined in the JS Library
logger.debug("Picked a:  "+category+"  The product is:  "+product+"  The Item picked:  "+item+"  The LG used:  "+context.currentLG.name);
```

Finished

Exercise 8

After completing this exercise, you will be able to:

- Setup error management for validating data
- Using think-times for pages

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Exercise 8 (page 1 of 9)

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	Steps to Perform	Transactions	Application
1	Duplicate the '**Exercise 02 - Searcher**' User Path and rename it '**Exercise 08 - TryCatch**'		
We will change the search criteria from '**Amazon Parrot**' to be pulled from a list variable			
2	Create a new variable….Click the '**Variables**' icon to launch the '**Edit variables**' window		
3	Click the button (on the bottom left part of the window) to create a new variable. Select '**List**' as the type of variable to add. Name the list variable: '**Pets**'.		
4	Add one (1) column: named '**Category**' and add four (4) rows with the following data: • Goldfish • Bulldog • Iguana • Manx		
5	Click the OK button to complete the creation of the variable		
6	Click the Apply button to accept the changes and then the OK button		
7	Open the '**Search**' transaction and click the request with the search keyword of '**Amazon Parrot**' • **/jpetstore/shop/searchProducts.shtml**		
8	Change '**Amazon Parrot**' field by double-clicking to open the '**Edit Request Parameter**' window		

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	Steps to Perform	Transactions	Application
9	Click on the ... button to get to the list of variables to choose from and select '**Pets.Catagory**'		
10	Click the OK button to complete the creation of the variable		
Let's now add a '**Validation**' to verify that the '**Add to Cart**' button appears on the page during the order			
11	Use the (Flag Requests) feature which will then identify a response in the tree, which will then identify matching responses in the tree with a blue checkmark.		
12	Select the following radio button and enter '**add_to_cart**'		
Several pages will be flagged as containing this button and that we are going to use the "viewItem" page because that is the page we want to verify - not the others: • 'Select Item' transaction • **/jpetstore/shop/viewItem.shtml**			
13	On this request, click the Validation... button to launch the '**Response Validation**' window		
14	Click the + button to add a new validation record and name it '**Add to Cart**'		
15	Click the button to launch the response and in the find field, put		

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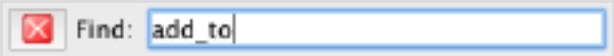
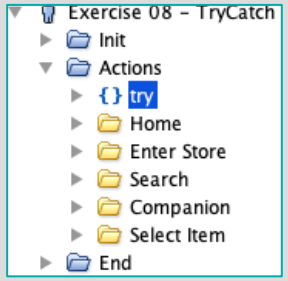
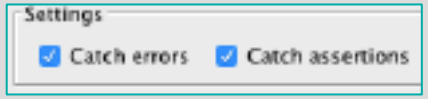
Tricentis

	Steps to Perform	Transactions	Application
16	Enter '**add_to_cart**' into the '**Find**' field 		
17	Highlight the text '**button_add_to_cart.gif**' and click the button to select this value		
18	Click the button to accept the additions		
Now let's add a '**Try…Catch**' action to to tell NeoLoad to check that if it receives an error do an alternate flow			
19	Add a '**Try…Catch**' action to the User Path by either dragging it up or right-clicking. Put the new action at the to level within the '**Actions**' folder. 		
20	Click the action and make sure both settings are selected: 		
21	Open the action and put all of the transactions in the '**Try**' transaction		

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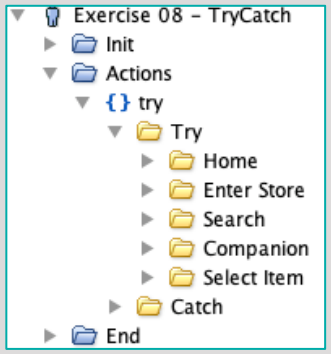
	Steps to Perform	Transactions	Application
	User Path should look like the following: 		
	Now, if it's proven that the Add to Cart button doesn't exist we will have NeoLoad catch and stop the test		
22	Add a **'Go to next iteration'** action Go to next iteration to the User Path by either dragging it up or right-clicking. Put the new action in the '**Catch**' transaction		
	We will now add a '**Loop**' action to include several searches between 1 and 4 searches		
23	Add a **'Loop'** action Loop to the User Path by either dragging it up or right-clicking.		
24	Put the new loop just above the '**Home**' transaction and put all the transactions in the **'Try'** folder into this new loop		

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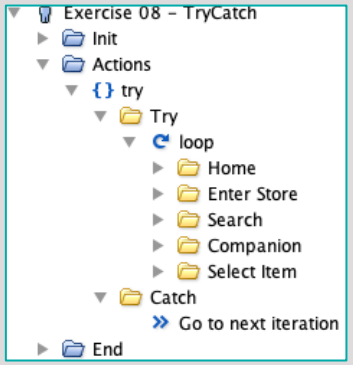
	Steps to Perform	Transactions	Application
25	Make the loop number = 4 (this is the amount of pets in the list variable we created)		
User Path should look like the following: 			
The last step is to stop the user if the **stock of an item** falls below **9500** with a conditional **<If Statement>**			
26	Add a **'If…Then…Else'** action (?) If...Then...Else to the User Path by either dragging it up or right-clicking. Put the new action underneath the '**Select Item**' transaction		
Since **'If…Then…Else'** is a conditional action we need to grab the conditional compare value: **Stock**			
27	Use the (Flag Requests) feature to look for a response that contains: '**stock**'		

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	Steps to Perform	Transactions	Application
We are going to use the page that's flagged: • '**Select Item**' transaction • **/jpetstore/shop/viewItem.shtml**			
28	Click the '**Advanced**' Advanced... button to see the 'Advanced Parameters' of the page		
29	Click the '**Variable extractors**' tab and click the 'Add' + button		
30	Name this extraction '**Extracted_Stock**' and click the 'Text Picker' button in the 'Starting with' section of this window		
31	On the '**Response text picker**' window, type '**stock**' into the '**Find**' field and NeoLoad should highlight the value in the response section of the window: • <font size="2">**9012 in stock.**</font>		
32	Select the left boundary of the value: **<font size="2">** and click the Pick selected text button		
33	Click the '**Text Picker**' button in the 'Ending with' section		
34	Select the left boundary of the value: **in stock.<** and click the Pick selected text button		
35	Click the OK button to complete the creation of the variable extraction		

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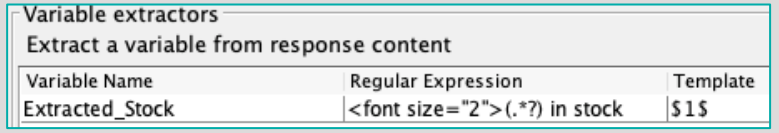
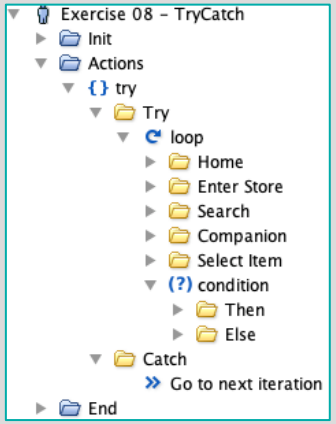
	Steps to Perform	Transactions	Application
NeoLoad has automatically created the Regular Extraction:			
Now we will create another logical action (**If…Then…Else**) that will check that if the '**Stock**' drops below '**9500**' then stop the User Path			
36	Add a **'If…Then…Else'** action (?) If...Then...Else to the User Path by either dragging it up or right-clicking. Put the new action after the '**Select Item**' folder.		
User Path should look like the following:			
37	Single-click on the **'If…Then…Else'** (?) If...Then...Else action name		

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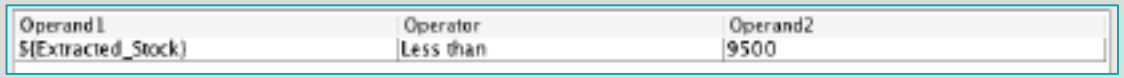
	Steps to Perform	Transactions	Application
38	Double-click on the **'Operand1'** field to get the picker ... button to get to the list of variables and select '**Extracted_Stock**'		
39	Change the '**Operator**' field to be equal to '**Less than**'		
40	Change the **'Operand2'** field to be '**9500**'		
Data should look like:			
Next we need to add an action into the '**Then**' folder to stop the test			
41	Add a **'Stop'** Stop action into the User Path by either dragging it up or right-clicking. Put the new action into the '**Then**' folder.		
Another fix we need to make is that the '**Itemid**' is hardcoded and needs to be variablized			
42	Go to the following request: • '**Select Item**' transaction • **/jpetstore/shop/viewItem.shtml**		
43	Double-click on the '**Itemid**' value to get the '**Edit Request Parameter**' window		

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Exercise 8 (page 9 of 9)

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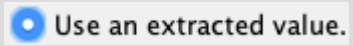
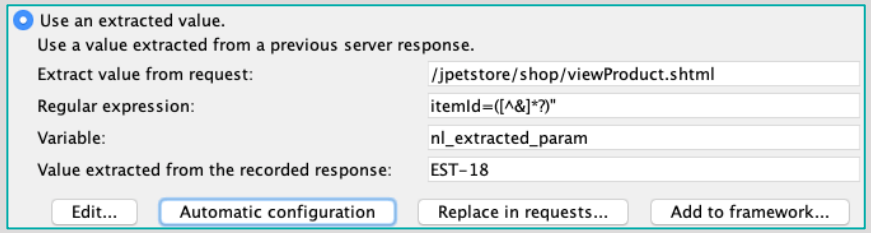
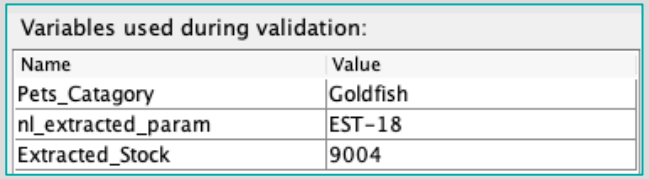
	Steps to Perform	Transactions	Application
44	Click the '**Use an extracted value**' radio button 		
45	Click the '**Automatic configuration**' button to have NeoLoad automatically create the variable extraction		
The window should look like the following: 			
46	Click the button to complete the creation of the variable extraction		
47	Save the project		
48	Click the (Check a user path) button to check the validity of the '**Exercise 08 - TryCatch**' User Path		
Here you can see since it ran a **Goldfish**, the stock was below **9500** so the test stopped 			

Finished

Exercise 9

After completing this exercise, you will be able to:

- Better understanding of finding root-cause of errors
- Building and using frameworks

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Exercise 9 (page 1 of 11) – Hotel Booking Framework

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	Steps to Perform	Transactions	Application
1	Start a Recording. Click the record ● button		
2	Name the User Path '**Exercise 09 - HotelBooking**'		
3	Pick the browser type you are going to use for recording and click OK. If you get a pop-up asking you to close your browser, then close it before recording.		
Make sure you have copied the Hotel Booking URL to your clipboard (http://training.local:8080/zkspringwf)			
4	Paste the URL in the browser and launch the Hotel Booking application	**Home**	
5	Click the '**Start your Spring Travel experience**' link on the bottom right	**Start**	
6	Click the '**Find Hotels**' Find Hotels button	**Find Hotels**	
7	Click the '**View Hotel**' View Hotel link on any of the hotels in the list	**View Hotel**	
8	Stop the recording ■		
9	Click the '**Finish**' Finish button on the Post-Recording Wizard		
10	Click the (Check a user path) button to check the validity of why this might have failed the test		

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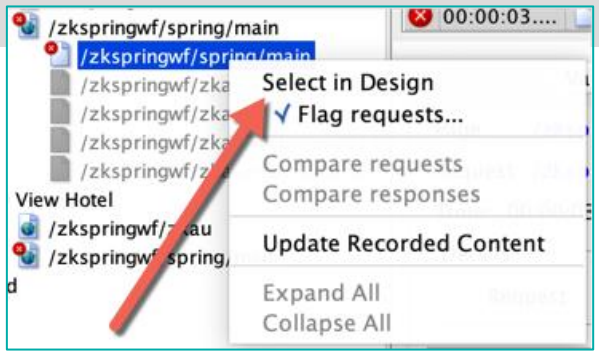
	Steps to Perform	Transactions	Application
The following parameters need to be handled: • **dtid** • **execution** • **uuid_0** (for the '**Find Hotels**' Find Hotels button) • **uuid_0** (for the '**View Hotel**' View Hotel link)			
11	On the Check user path window, locate the request with the HTTP 500 error by clicking on the small red icon in the upper right of the window		
12	Click the '**Open in browser**' button, on the 'Details' tab to see what the error is referring to		
The error states: '**A problem occurred restoring the flow execution with key 'e1s3**' We will find the cause of this error			
13	Right-click on the failed request, in the tree window, and select the option '**Select in Design**' to go back to the Controller		



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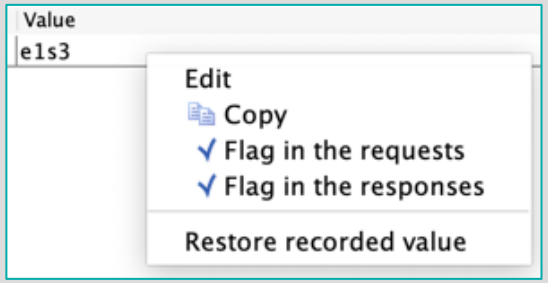
	Steps to Perform	Transactions	Application
14	As you can see, there is an '**execution**' value (**e1s3**) which matches what the error was stating is invalid		
We will extract this value and build a framework for it			
15	Right-click on the execution value '**e1s3**' and select '**Copy**' to copy to your clipboard		
16	Right-click on the execution value '**e1s3**' and select '**Flag in the Responses**' which will then identify a response, in the tree, with a blue check-mark. This is the response where the execution value resides 		
17	Go to the request that has the blue check-mark on it: • "**Find Hotels**" Transaction • '/zkspringwf/zkau' request		
18	Click the '**Advanced**' button to see the '**Advanced Parameters**' of the page		
19	Click the '**Variable extractors**' tab and click the '**Add**' button		

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	Steps to Perform	Transactions	Application
20	Name this extraction '**Extracted_execution**' and click the **'Text Picker'** button in the 'Starting with' section		
21	Select the left boundary of the value: **execution=** and click the Pick selected text button		
22	Click the '**Text Picker**' button in the '**Ending with**' section		
23	Select the right boundary of the value: **"** and click the Pick selected text button		
24	Click the OK button to complete the creation of the variable extraction		
NeoLoad has automatically created the Regular Expression: **execution=(.*?)"**			
25	Single-click on the new variable name and click the **'Move as a framework parameter'** Move as framework parameter... button		

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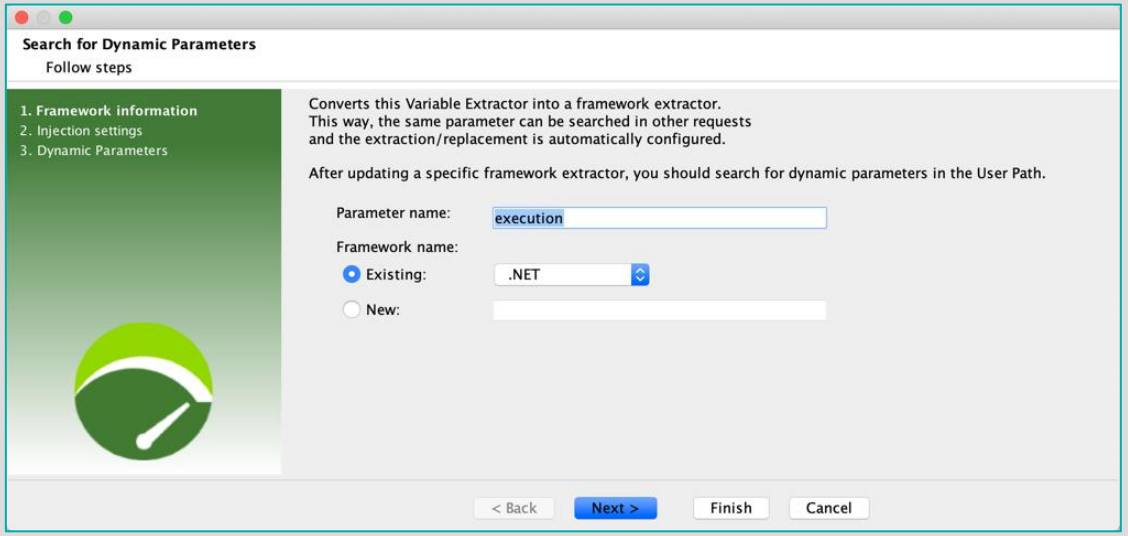
	Steps to Perform	Transactions	Application
	NeoLoad will launch the '**Search for Dynamic Parameters**' wizard which is used to create frameworks 		
26	Leave the '**Parameter name**' as the default ('execution') but click the '**New**' radio button to add a new framework		
27	Add a new framework with the name: '**Hotel**' and click the '**Next**' Next > button to continue		
28	At **step #2** of the framework wizard ('**Injection Settings**') click the '**Text content**' option if it's not already selected. This will allow NeoLoad to also search for values in the text content of a response.		

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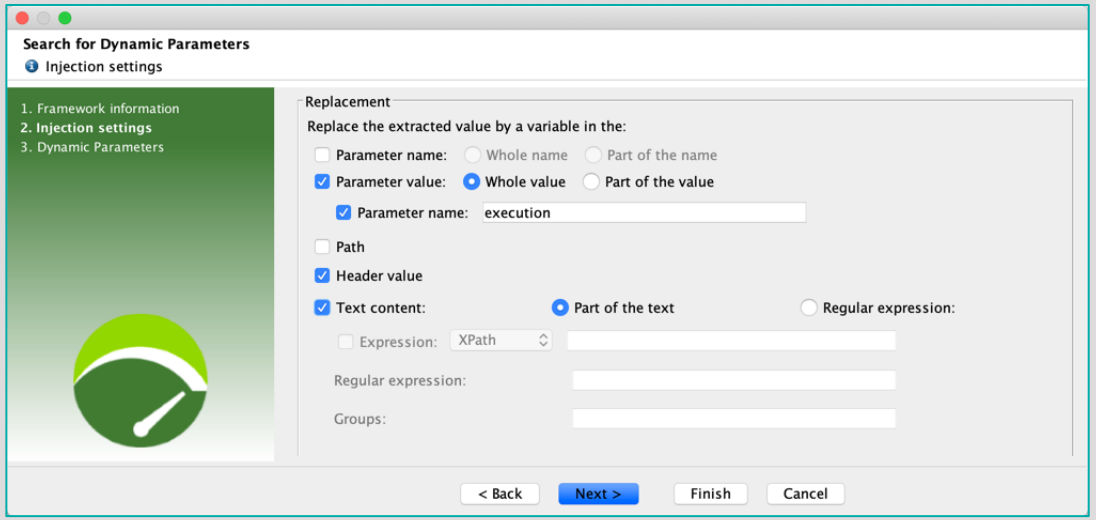
Tricentis

	Steps to Perform	Transactions	Application
29	Leave the **'Header value'** option selected as well since this is the default for this value		
	Window should look like this : 		
30	Click the '**Next**' Next > button to continue		
Step #3 of the '**Search for Dynamic Parameters**' wizard is the same window that comes up after a recording is finished….this is where NeoLoad will search a User Path for values that match the frameworks that were defined.			

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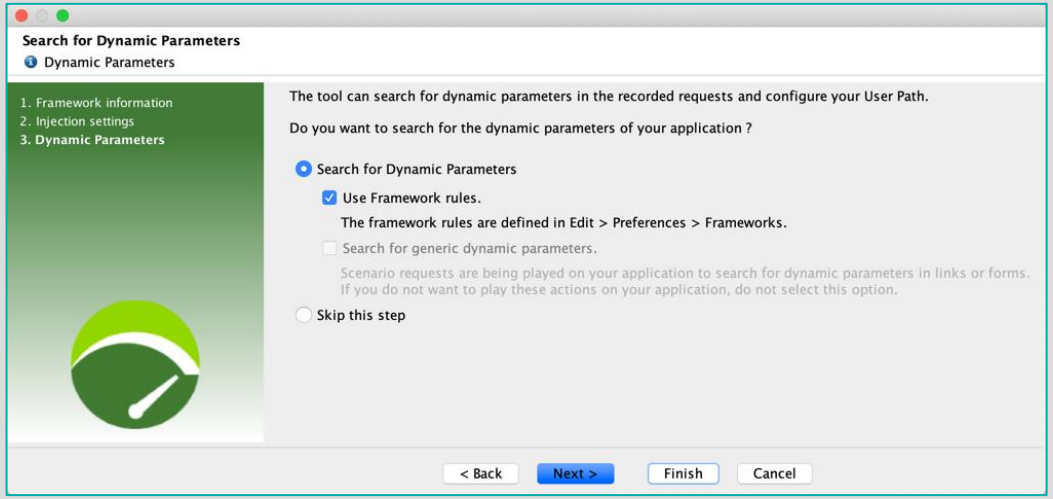
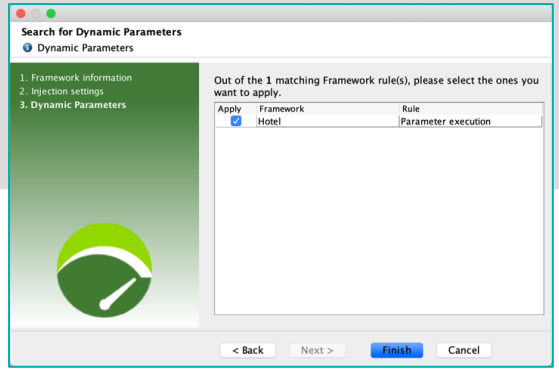
Tricentis

	Steps to Perform	Transactions	Application
31	Leave all the defaults for this step (‘**3. Dynamic Parameters**’) 		
32	Click the ‘**Next**’ Next > button to continue		
33	After NeoLoad searches the User Path, a match will be found for ‘**Hotel**’ with the rule: ‘**Parameter execution**’ 		

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	Steps to Perform	Transactions	Application
34	Click on the '**Finish**' Finish button		
35	Click the OK button to continue		
36	Go to the back to the request that has the value that needed to be handled: • "**Find Hotels**" Transaction • '/zkspringwf/spring/main' request		
37	Here you can see that the value '**e1s3'** has been substituted with the variable '**${execution}**' Request parameters: Name: execution — Value: ${execution}		
38	Click the (Check a user path) button to check the validity of why this might have failed the test		

Follow steps #11 thru #32 to take care of each of the values that were identified as ones that need to be handled.

1. For **dtid** name the variable as '**Extracted_dtid**'
2. For **uuid_0** (**find**) name the variable as '**Extracted_uuidFind**'
3. For **uuid_0** (**view**) name the variable as '**Extracted_uuidView**'

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Tricentis

	Steps to Perform	Transactions	Application
After all the values have been handled and the Check Virtual User test have passes, continue with the exercise			
39	Create a new recording by clicking on the record ● button		
40	Name the User Path '**Exercise 09 - HotelBooking_Framework**'		
Pick the browser type you are going to use for recording and click OK. If you get a pop-up asking you to close your browser, then close it before recording.			
Make sure you have copied the Hotel Booking URL to your clipboard			
41	Follow steps **#4 thru #7** in recording the Hotel Booking application		
42	At the '**Post-recording Wizard**', click the '**Next**' Next > button to continue past the first step		
43	At the '**Dynamic Parameters**' step, uncheck '**Search for generic dynamic parameters**' option		
44	Click the '**Next**' Next > button to continue		

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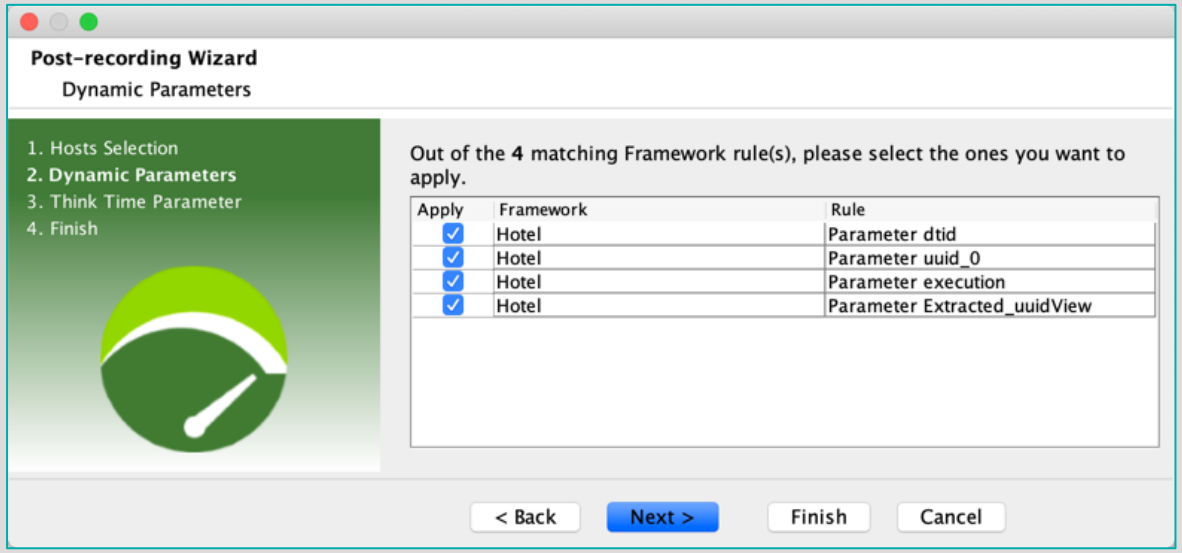
	Steps to Perform	Transactions	Application
	NeoLoad should identify all of the variables that were found needed in the User Path: 		
45	Click the '**Next**' Next > button to continue		
46	Click the '**Finish**' Finish button on the Post-Recording Wizard		
47	Click the (Check a user path) button to check the validity of the User Path		

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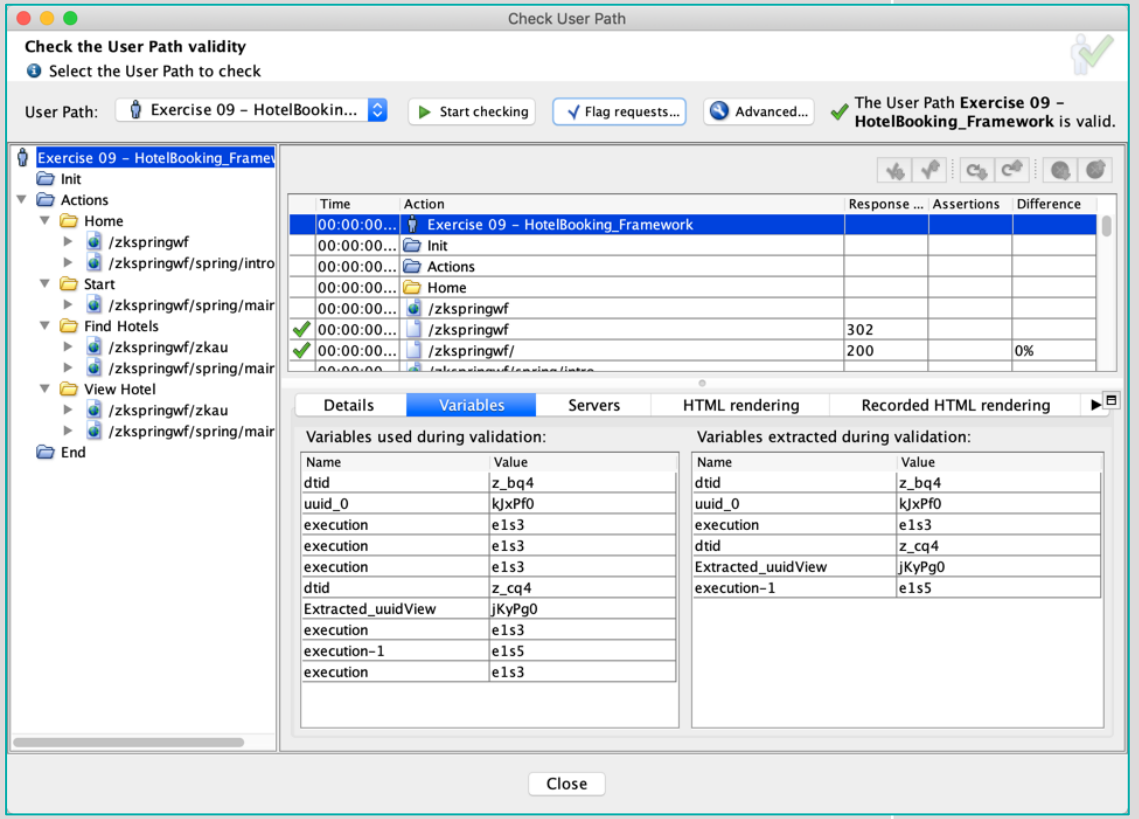
	Steps to Perform	Transactions	Application
	The Check should pass since all of the parameters have been handled by the framework		
48	On the '**Check the User Path validity**' window, select the name of the User Path '**Exercise 09 - HotelBooking_Framework**' and you should see the results listed here --------->		



Finished

Exercise 10

After completing this exercise, you will be able to:

- How to use NeoLoad's User Path Update feature for Agile development cycles

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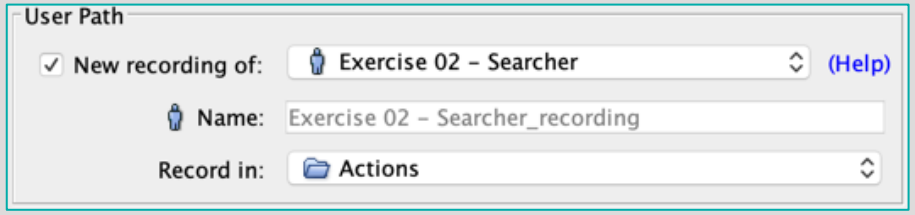
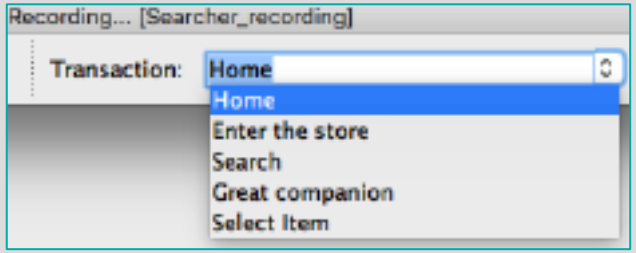
Exercise 10 (page 1 of 4)

Tricentis

	Steps to Perform	Transactions	Application
1	Start a Recording. Click the record ● button.		
2	In the '**Start Recording**' window, select the option of '**New recording of:**' and pick the '**Exercise 08 - TryCatch**' User Path from the drop-down list 		
	Pick the browser type you are going to use for recording and click '**OK**'. If you get a pop-up asking you to close your browser, then close it before recording.		
	Notice how NeoLoad has pre-filled the transaction names based on the "Exercise 08 - TryCatch' User Path 		
3	Move thru recording **JPetStore**, using the prefilled transactions with '**Rattlesnake**' for you search criteria		

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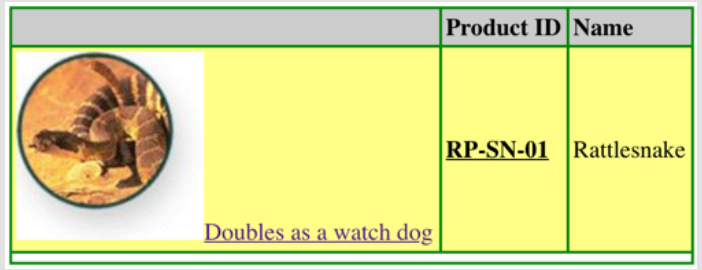
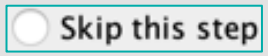
Exercise 10 (page 2 of 4)

Tricentis

	Steps to Perform	Transactions	Application
4	Click '**Doubles as a watch dog**' link 	**Companion**	
5	Click one of the '**Item ID**' selections	**Select Item**	
After recording the '**Select Item**' step we are going to add new functionality to the new recording			
6	Click the '**Add to Cart**' button on one of the **snakes**	**Add to Cart**	
7	Stop the recording		
8	At the '**Post-Recording Wizard**', click the '**Next**' button on **step #1**		
9	Select the '**Skip this step**'  option on **step #2** of the '**Post-Recording Wizard**'		
10	Click the '**Next**' button		

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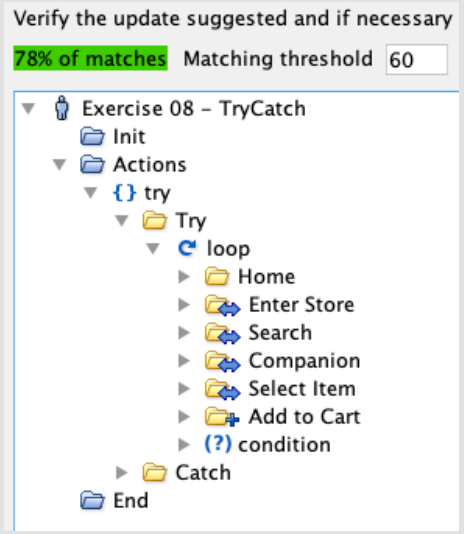
Exercise 10 (page 2 of 4)

Tricentis

	Steps to Perform	Transactions	Application
11	Click the '**Next**' Next > button on **step #3**		
	NeoLoad displays the updates that will be made to the new User Path based on feedback from the old User Path 		
12	Expand the '**Add to Cart**' folder and you will see all the requests that will be added to the new User Path		
13	Click the '**Next**' Next > button on **step #4**		
14	Click the '**Next**' Next > button on **step #5**		

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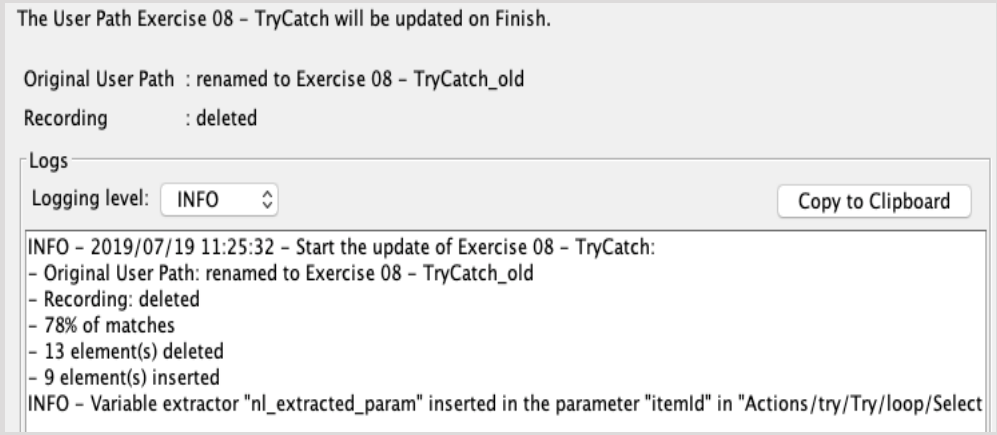
Exercise 10 (page 3 of 4)

Tricentis

	Steps to Perform	Transactions	Application
NeoLoad now displays the summary of all the change that were accomplished by the update			
15	Select '**DEBUG**' as the logging level to see all of the steps done		
16	At the '**Post-Recording Wizard**', click the '**Finish**' button on **step #6**		
The new User Path has taken the name 'Exercise 08 - TryCatch' and the old User Path name has been changed to 'Exercise 08 – TryCatch_old' so that you can always go back to the original			
17	Open the 'Exercise 08 - TryCatch' User Path to see the addition of the '**Add to Cart**' transaction		

Finished

Exercise 11

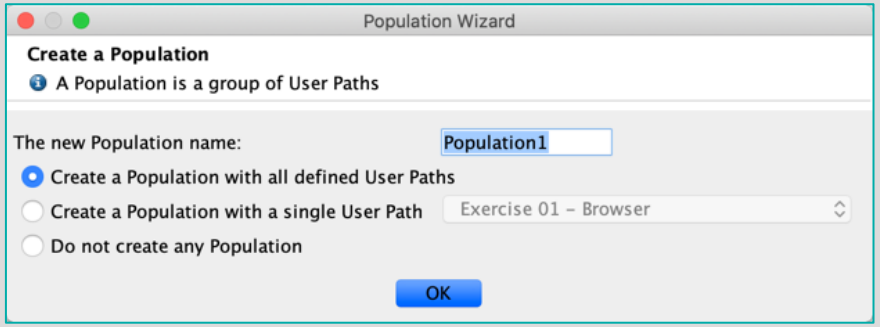
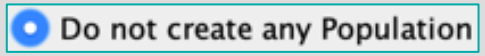
After completing this exercise, you will be able to:

- Using populations for:
  - Browser Emulation
  - Network Virtualization
  - Cache handling

Tricentis

Exercise 11 (page 1 of 5)

Tricentis

	Steps to Perform	Transactions	Application
1	Click the '**Populations**' tab that we will be using to create a new population		
2	You will be presented with the '**Population Wizard**' Which can be used to create the initial population 		
3	Click the '**Do not create any Population**' option 		
4	Click the '**OK**' button on the '**Population Wizard**' window		
5	Click the '**Add a new population**' button at the bottom-left of the NeoLoad window to add a population		
6	On the '**New Population**' window, add the new name as '**PetStore**'		
7	Click the '**OK**' button on the '**New Population**' window		
8	Select, from the '**User Path**' drop-down, the User Path '**Exercise 02 - Searcher**'		

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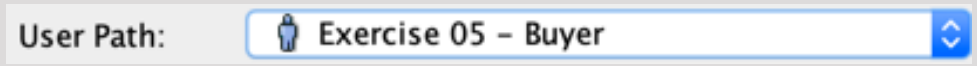
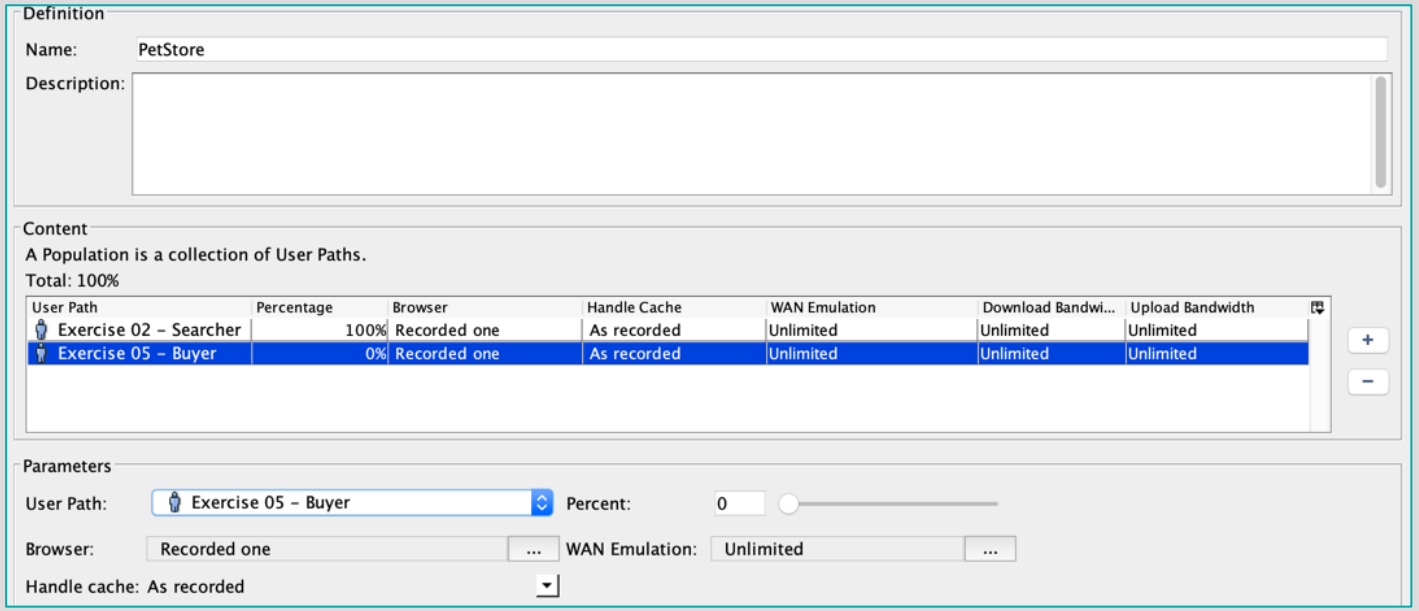
Exercise 11 (page 2 of 5)

Tricentis

	Steps to Perform	Transactions	Application
Let's add another User Path to this population			
9	Click the '**Add a new User Path**' + button to add a new line to the Population collection. This button is to the far right of the NeoLoad window.		
10	Select, from the '**User Path**' drop-down, the User Path '**Exercise 05 - Buyer**' 		
The window should look like: 		

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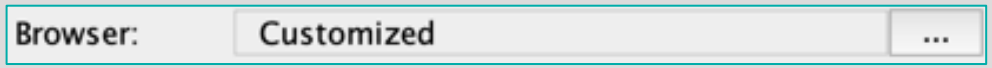
Exercise 11 (page 3 of 5)

Tricentis

	Steps to Perform	Transactions	Application
	We will now change the populations to have the following properties: • 60% of the total percentage number will be used for the '**Exercise 02 - Searcher**' User Path • Set 10% of the '**Exercise 02 - Searcher**' User Path to use a custom browser called **'custom**' in the 'User Agent' field • Set the 'Handle cache' for the '**Exercise 02 - Searcher**' User Path to be using full cache • 40% of the total percentage number will be used for the '**Exercise 05 - Buyer**' User Path • Set 50% of the '**Exercise 05 - Buyer**' User Path to use an iPad with a 3G connection • Set 50% remaining '**Exercise 05 - Buyer**' User Path to use an Mac Chrome with a 11G WiFi connection • All **Exercise 05 - Buyer**' populations will be set to cache as a New User		
11	To add a custom browser, click the '**Browser**' pick button to open the '**Browser Profiles Picker**' window		

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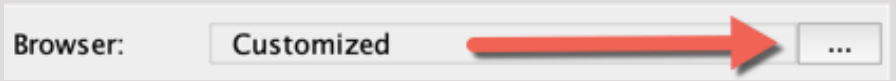
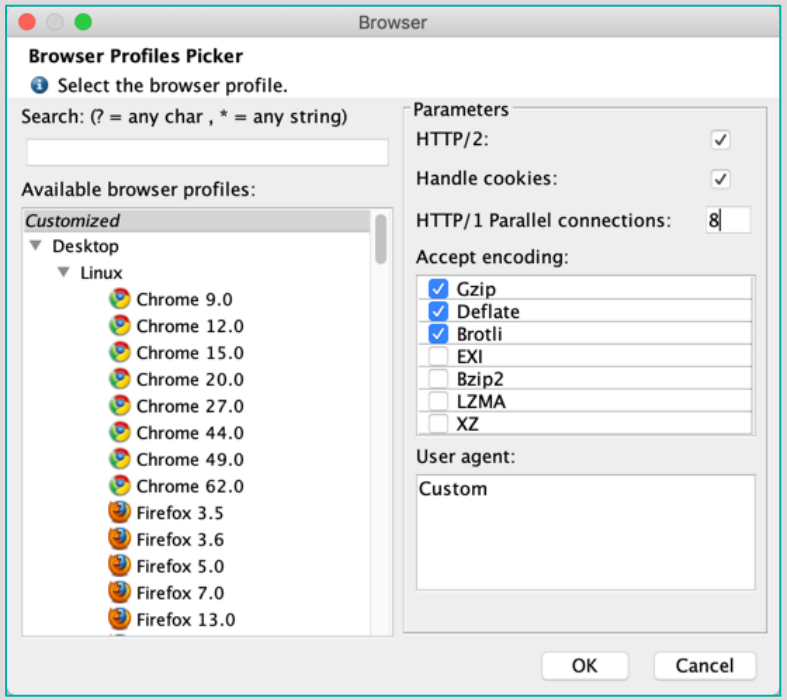
Exercise 11 (page 4 of 5)

Tricentis

12	On the '**Browser Profiles Picker**' window, select the '**Customized**' option and type '**Custom**' into the '**User agent**' field and set the HTTP/1 Parallel connections' to **8**	 	

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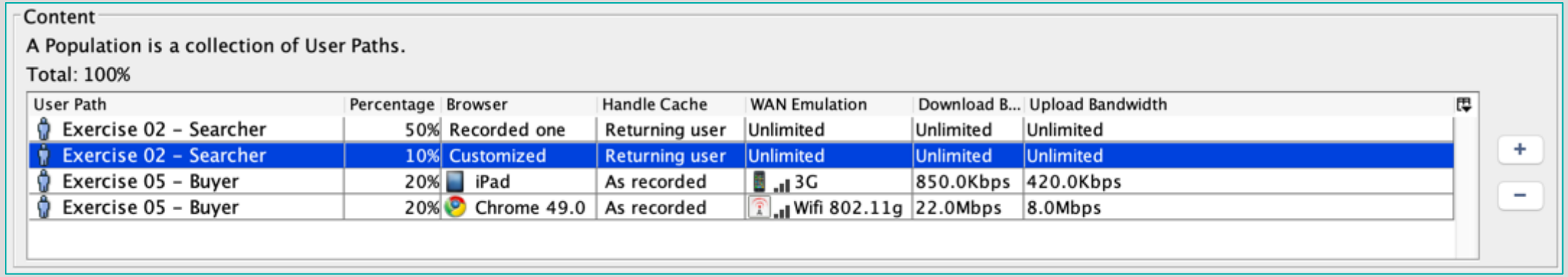
Exercise 11 (page 5 of 5)

Tricentis

Screen should look like:



Finished

Exercise 12

After completing this exercise, you will be able to:

- Setting up server monitoring for NeoLoad
  - MySQL
  - Apache

Tricentis

Exercise 12 (page 1 of 5)

Tricentis

	Steps to Perform	Transactions	Application
1	Click the '**Monitors**' tab that we will be using to to create a connection to the application server so that we can collect server side metrics during the test		
2	Click the '**Monitored Machines**' icon		
3	Click the '**Add a new monitored machine**'. button to open the '**Create Monitored Machine**' wizard window		
To connect to the servers, we need to identify the host that will be used. This is the IP of the training site			
4	On the '**Enter host**' field, enter the IP Address of the Training Site where you loaded JPetStore		
Add the following server connections: • MySQL • Apache			
5	Select the '**MySQL Monitor**' from the '**Databases**' folder		

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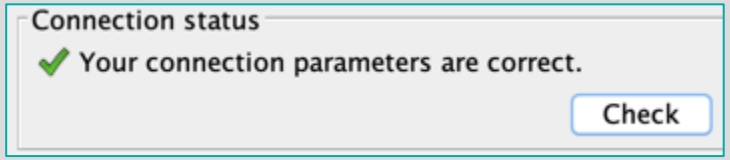
Exercise 12 (page 2 of 5)

Tricentis

	Steps to Perform	Transactions	Application
6	Select the '**Apache Monitor**' from the '**Web/EJB Tier**' folder		
7	Click the 'Next' Next > button to continue with the wizard		
Step 2 of the wizard is to configure the '**MySQL Monitor**'. The first page is informational….			
8	Click the 'Next' Next > button to continue with the wizard		
9	On the '**Configure MySQL Monitor**' window use '**monitor**' for the Login and there is no Password		
10	Click the 'Check' Check button to validate connection is okay		
You should now get a successful connection 			
11	Click the 'Next' Next > button to continue with the wizard		

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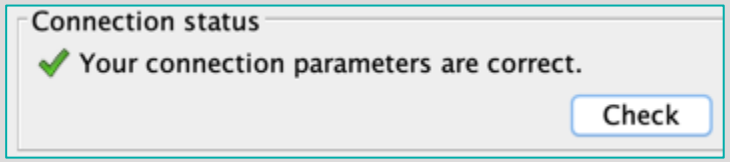
Exercise 12 (page 3 of 5)

Tricentis

	Steps to Perform	Transactions	Application
Selecting the counters you want to measure are next but we will take just the **defaults**			
12	Click the 'Next' Next > button to continue with the wizard		
Step 3 of the wizard is to configure the '**Apache**'. The first page is informational….			
13	Click the 'Next' Next > button to continue with the wizard. No authentication for Apache server.		
14	Click the 'Check' Check button to validate connection is okay		
You should now get a successful connection			
15	Click the 'Next' Next > button to continue with the wizard		
Selecting the counters you want to measure are next but we will take just the **defaults**			

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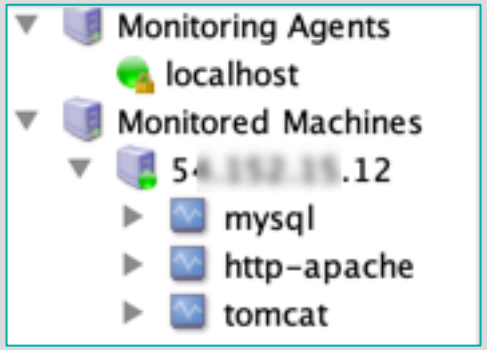
Exercise 12 (page 5 of 5)

Tricentis

	Steps to Perform	Transactions	Application
16	Click the '**Finish**' Finish button to end the wizard		
The result should be the following: 			

Finished

Exercise 13

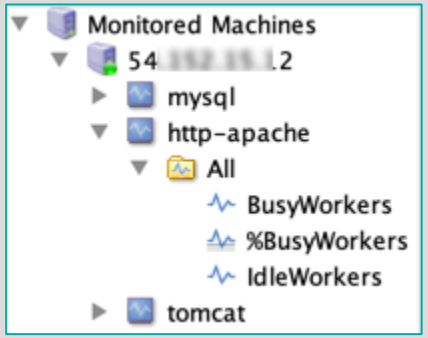
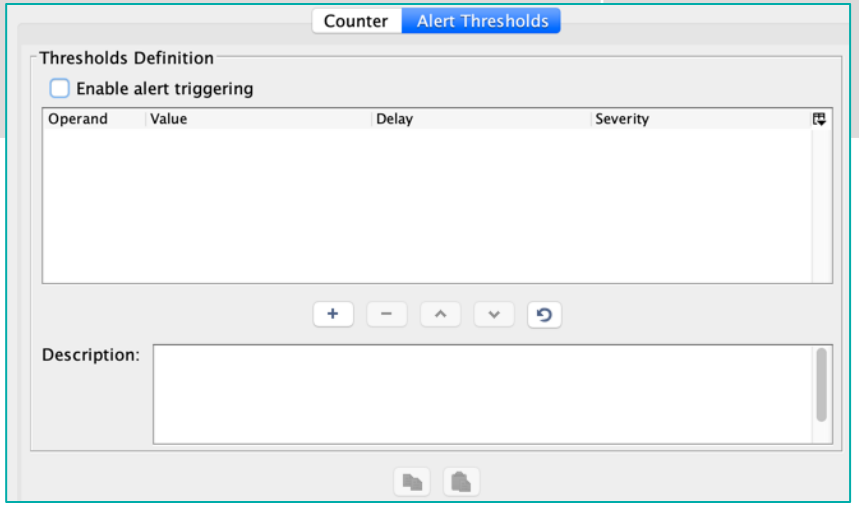
After completing this exercise, you will be able to:

- Setting up server monitoring alert thresholds
  - Apache

Tricentis

Exercise 13 (page 1 of 5)

Tricentis

	Steps to Perform	Transactions	Application
We will now set thresholds on the servers we mapped in Exercise 12			
1	In the tree window, open the '**http-apache**' icon and then the '**All**' folder 		
2	Click the '**BusyWorkers**' selection		
3	Click the '**Alert Thresholds**' tab to access the '**Thresholds Definition**' window 		

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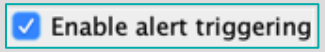
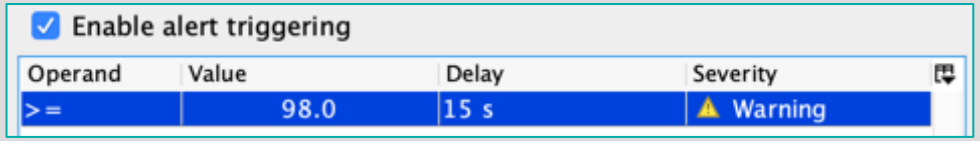
Exercise 13 (page 2 of 5)

Tricentis

	Steps to Perform	Transactions	Application
4	Click the '**Enable alert triggering**'  option		
5	Click the '**Add a new threshold**' button to add a new threshold		
6	Change the '**Value**' field from '**0.0**' to '**98.0**' 		
7	You can set thresholds on any counter you are monitoring, as well as different severities.		

Finish

Exercise 14

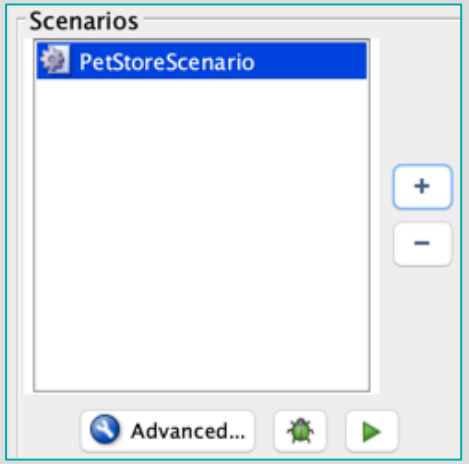
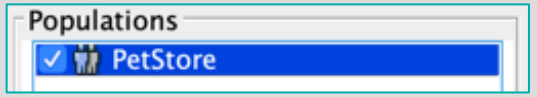
After completing this exercise, you will be able to:

- Setting up and running a NeoLoad load test

Tricentis

Exercise 14 (page 1 of 5)

Tricentis

	Steps to Perform	Transactions	Application
1	Click the '**Runtime**' module button to configure run a test		
2	Click the '**Add a new scenario**' button on the **upper left** of the NeoLoad window and name the scenario '**PetStoreScenario**'		
3	Select the population '**PetStore**' from the '**Populations**' section		
Next we will define an increasing workload that starts with a single user and adds an additional user every **15 seconds**. Set the maximum number of VUs to **5**.			

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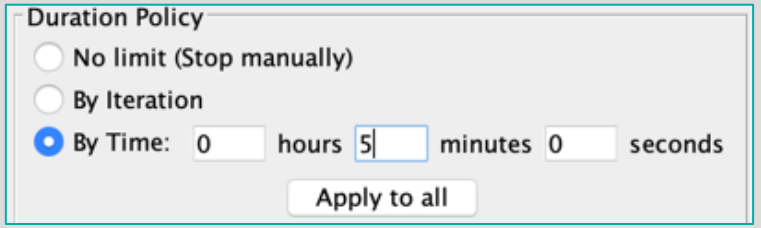
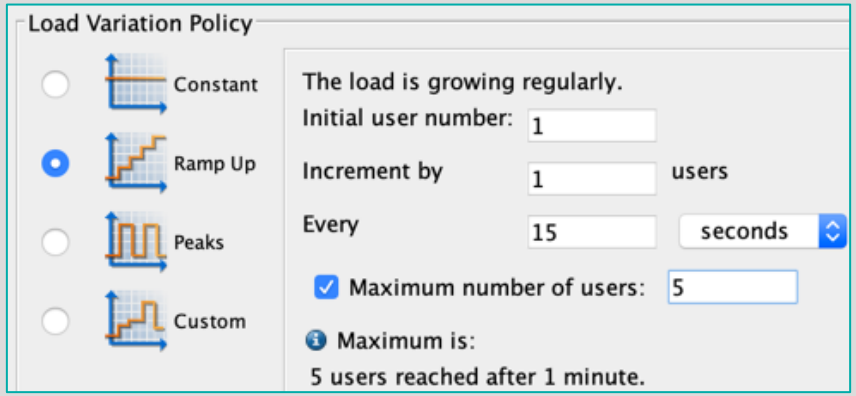
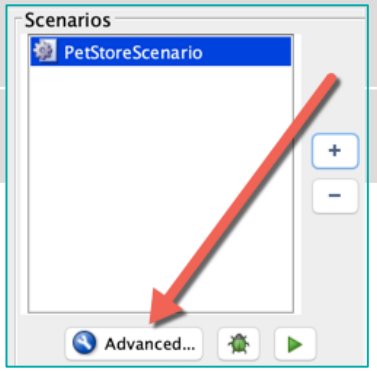
Exercise 14 (page 2 of 5)

Tricentis

	Steps to Perform	Transactions	Application
4	Set the '**Duration Policy**' to be by '**Time**' and for '**5**' minutes		
5	For the '**Load Variation Policy**' section: • Choose the '**Ramp Up**' policy • Change '**Initial user number**' to '**1**' • Set '**Increment by**' to '**1**' users • Define running a user '**Every**' '**15**' '**seconds**' • Select the '**Maximum number of users**' and set to '**5**'		
We will start the monitors before the test starts and for a bit after the test ends			
6	Click the '**Advanced parameters for this scenario**' button in the '**Scenario**' section		

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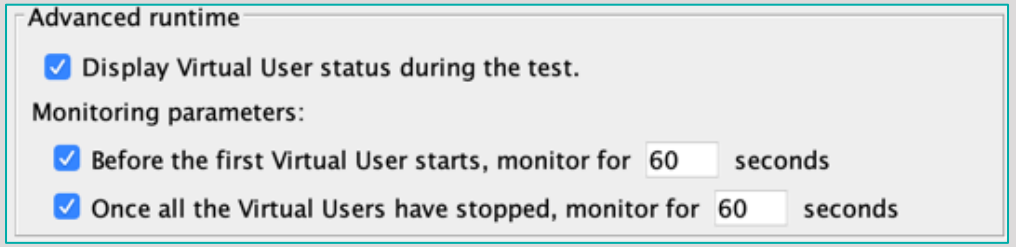
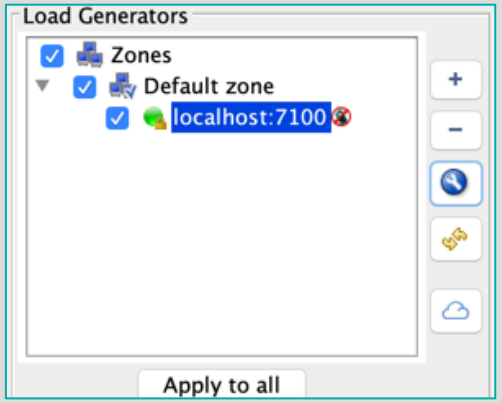
Exercise 14 (page 3 of 5)

Tricentis

	Steps to Perform	Transactions	Application
7	Change the '**Monitoring parameters**' section to start the monitors '**1**' minute before and '**1**' minute after the test 		
8	Click the 'OK' button to accept the changes		
9	Within the '**Load Generators**' section, make sure the '**localhost:7100**' generator is selected 		
10	Click the '**Start playing the currently selected scenario**' button either at the top of the screen or just under the '**Scenarios**' section on the left of the NeoLoad window		

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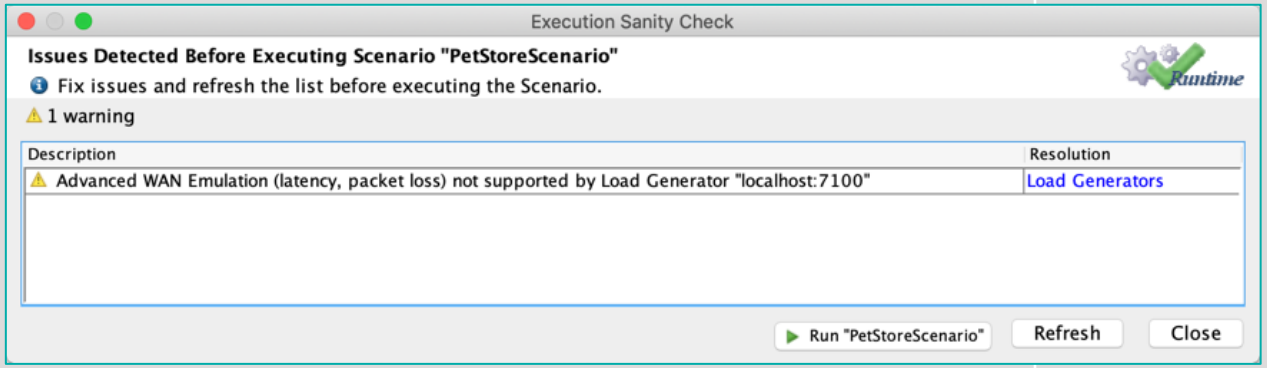
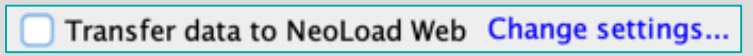
Exercise 14 (page 4 of 5)

Tricentis

	Steps to Perform	Transactions	Application
10a	NeoLoad will perform a '**Sanity Check**' to validate that everything is setup correctly to run a test….if you get this window then just click the button from here 		
The '**Test description**' window appears where you can name the test as well as put in a description of what you are running			
11	Name the new test '**PetStoreTest**'		
11a	If the '**Transfer data to NeoLoad Web**' is highlighted and selected then uncheck this option. 		
If this option is available, then NeoLoad will send data to the NeoLoad Web components as well.			

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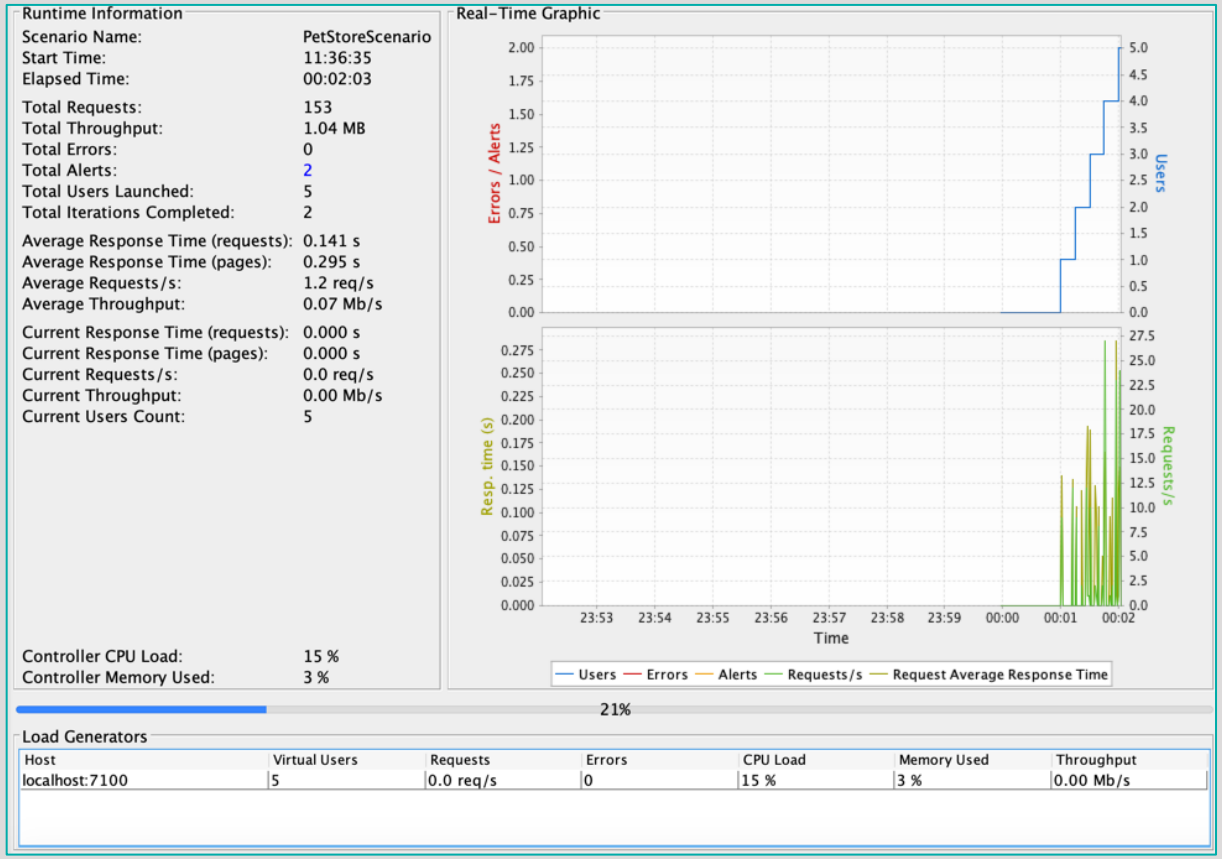
Exercise 14 (page 5 of 5)

Tricentis

	Steps to Perform	Transactions	Application
12	Click the 'Play' Play button		

The test should start and you should be on the 'Runtime Information' Screen where you can see the test running

Explore the other tabs to see what Is presented during Runtime



Finished

Exercise 15

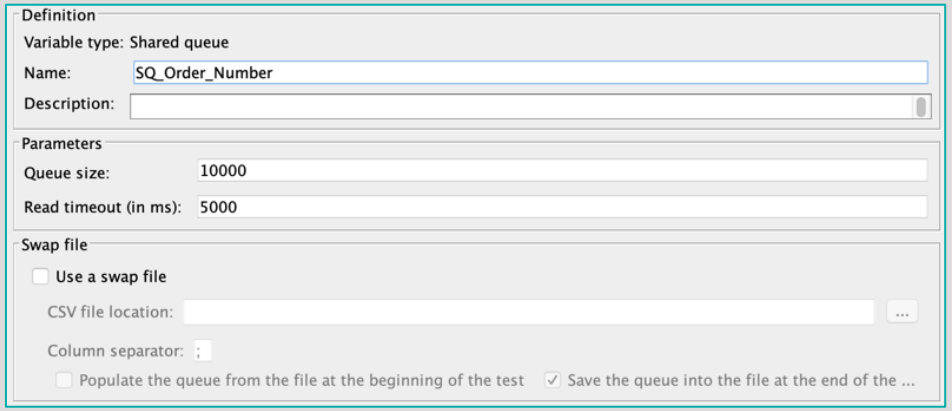
After completing this exercise, you will be able to:

- Sharing data between different User Paths in a project
  - Shared Queue
  - Variable Modifier

Tricentis

Exercise 15 (page 1 of 9)

Tricentis

	Steps to Perform	Transactions	Application
1	Duplicate the '**Exercise 05 - Buyer**' User Path and name this new one '**Exercise 15a - SQBuyer**'		
We sill now create a Shared Queue			
2	Click the '**Variables**' icon to launch the '**Variable Manager**' window		
3	Click the '**New variable**' button on the **lower left** of the window		
4	Pick the '**Shared Queue**' option from the list of variables listed		
5	Within the '**Shared queue**' window, name the shared queue '**SQ_Order_Number**' 		

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Exercise 15 (page 1 of 9)

Tricentis

	Steps to Perform	Transactions	Application
6	Leave all the other **default** options and click the '**OK**' OK button		
7	Back on the '**Edit variables**' window, click the '**Apply**' Apply and then the '**OK**' OK buttons		
Now we need to grab the **order number** from a response			
8	Single-click the '**Exercise 15 - SQBuyer**' User Path and launch the '**Flag**' window		
Do a search for the '**Order #**'. The Flag entry is case sensitive.			
9	Click the '**whose recorded response contains:**' and enter '**Order #**' into this field		
10	Click the '**Close**' Close button on the '**Requests to flag**' window		
There should be a blue check mark on the following transaction: • Order Details • /jpetstore/shop/newOrder.shtml			

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Exercise 15 (page 2 of 9)

Tricentis

	Steps to Perform	Transactions	Application
11	Select the request and click the '**Advanced**' button at the bottom of the NeoLoad window		
12	Within the '**Advanced Parameters**' window, go to the '**Variable extractors**' tab		
13	Click the '**Extract a new extractor**' button		
14	On the '**Variable Extractor**' window, name the new extraction as '**Extracted_OrderNumber**'		
15	Click the '**Text Picker**' button on the '**Starting with:**' section to launch the response		
16	On the '**Response test picker**' window, on the '**Find**' field, type '**Order #**' to search the response		
17	Highlight the following '**Order #**' and click the '**Pick selected text**' button		
18	Click the '**Text Picker**' button on the '**Ending with:**' section to launch the response		
19	Highlight the following '**<**' and click the '**Pick selected text**' button		

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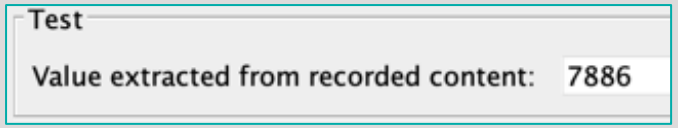
Tricentis

	Steps to Perform	Transactions	Application
	You should now see the **Order #** listed in the '**Test**' field like: 		
	The Variable Extractor should look like:		
20	Click the '**OK**' OK button at the bottom of the '**Variable Extractor**' window		
	We need to set the **User/Password**, for JPetStore, back to **j2ee/j2ee**		
	Go to the following request: • Submit • /jpetstore/shop/signon.shtml		
21	Double-click on the '**${Users.Username}**' field and change it to '**j2ee**'		
22	Double-click on the '**${Users.Password}**' field and change it to '**j2ee**'		

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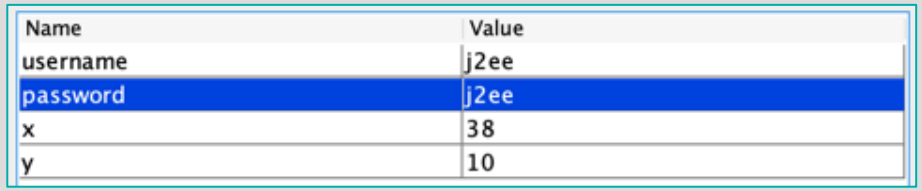
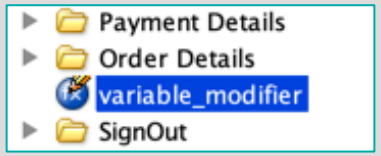
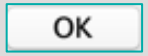
	Steps to Perform	Transactions	Application
The Post Parameters should look like:			
Next we will add a '**Variable Modifier**' action to pass the **Order #** to a **Shared Queue**			
23	Select and drag a '**Variable Modifier**' action into the '**Exercise 15 - SQBuyer**' User Path and place it just above the transaction '**SignOut**'		
Now we will change the parameters of the new '**variable_modifier**' action			
24	Single-click the new '**variable_modifier**' action and select the option '**Shared queue**'		
25	To add the Shared queue we created earlier, click the '**Variable Picker**' button		
26	Pick the '**SQ_Order_Number**' on the '**Variable picker**' window		
27	Click the '**OK**'  button on the '**Variable picker**' window		

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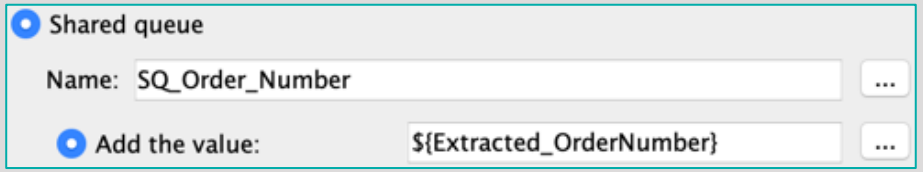
	Steps to Perform	Transactions	Application
Next we will add the **'OrderNumber'** parameter to the shared queue			
28	Select the '**Add the value:**' option (Add the value:) if not already selected		
29	To add the **'Extracted_OrderNumber'**, we created earlier, click the '**Variable Picker**' (...) button		
30	Pick the '**Extracted_OrderNumber**' on the **'Variable picker'** window, leave the defaults and click the '**OK**' (OK) button 		
Next we will create a new User Path, based on the '**Exercise 15 - SQBuyer**', in which we create a new order using the '**${Extracted_OrderNumber}**' variable			
31	Start a Recording. Click the record button		
32	Pick the browser type you are going to use for recording and click OK. If you get a pop-up asking you to close your browser, then close it before recording.		
Make sure you have copied the JPetStore URL to your clipboard			

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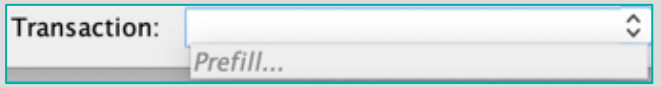
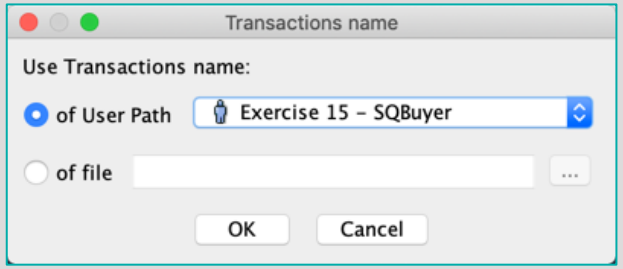
	Steps to Perform	Transactions	Application
33	Name this new User Path as '**Exercise 15b – NewOrder**'		
34	Click the **'OK'** OK button		
35	On the '**Transaction**' field, within the '**Recording**' window, click the down arrow to '**Prefill**' the list from another User Path 		
36	On the '**Transaction name**' window, select the '**Exercise 15 – SQBuyer**' User Path to prefill the transaction names 		
37	Click the **'OK'** OK button		
38	Paste the URL in the browser and launch JPetStore	Home	
39	Log into JPetStore by clicking the '**Sign-in**' link	Login	

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	Steps to Perform	Transactions	Application
40	Click the '**Submit**' button	**Submit**	
41	Next we will substitute the JPetStore URL with one that will load an existing order #. Type the following into the URL field: http://training.local:8080/jpetstore/shop/viewOrder.shtml?orderId=1000		
42	Launch the new URL	**Last Order**	
43	Click on one of the 'Item ID' at the bottom of this order	**New Pet**	
44	Click the **'Add to Cart'** button	**Add to Cart**	
45	Click the '**Proceed to Checkout**' button	**Checkout**	
46	Click the '**Continue**' button on the '**Checkout Summary**' page	**Checkout Summary**	
47	Click the '**Submit**' button on the '**Payment Details**' page	**Payment Details**	
48	Click the '**Continue**' button on the '**Order Details**' page	**Order Details**	

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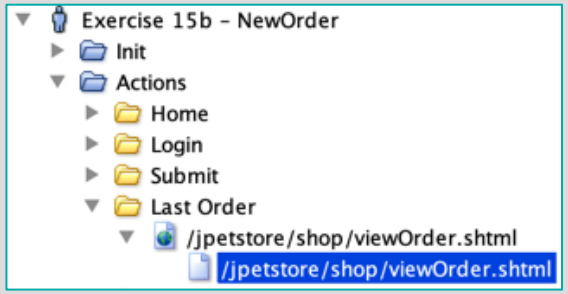
	Steps to Perform	Transactions	Application
50	Logout of JPetStore by clicking the '**Sign-out**' link	SignOut	
51	Stop the recording		
52	At the '**Post-Recording Wizard**', click the '**Next**' button on **step #1**		
53	Click the '**Finish**' button on the **Post-Recording Wizard**		
Next we need to change the **Order #** from the recording to point to the **Shared Queue**			
54	Open the new '**Exercise 15b – NewOrder**' User Path and go to the '**Last Order**' transaction		
55	Go to the following request: • **Last Order** • /jpetstore/shop/viewOrder.shtml 		
56	Double-click on the '**orderId**' value of '**1000**'		
57	Click the '**Variable Picker**' button to get the list of available variables		

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	Steps to Perform	Transactions	Application
58	On the '**Variable Picker**' window, pick the Shared Queue variable '**SQ_Order_Number**' to push the data from the queue into this User Path		
59	Click on the '**OK**' OK button		
Now let's run the User Paths to see the results			
60	Click the (Check a user path) button to check the validity of the '**Exercise 15a - SQBuyer**' User Path		
61	Make note of the Variable that was captured for the '**SQ_Order_Number**' push the Shared Queue		
62	Click the (Check a user path) button to check the validity of the '**Exercise 15b – NewOrder**' User Path		
63	Make note of the Variable that was captured for the '**SQ_Order_Number**' push the Shared Queue		

Request parameters:

Name	Value
orderId	${SQ_Order_Number}

Variables extracted during validation:

Name	Value
Extracted_ID	1541190017345
Extracted_Category	FISH
Extracted_productId	FI-FW-01
Extracted_itemId	EST-4
Extracted_OrderNumber	7902
SQ_Order_Number	7902

Variables used during validation:

Name	Value
AutoPassword_2	j2ee
SQ_Order_Number	7902

Finished