



**CREATE AND REGISTER RECORDS  
THROUGH TDS**

# CREATE AND REGISTER RECORDS THROUGH TDS

## CREATE AND REGISTER RECORDS THROUGH TDS

### Exercise 02A | Register Test Records through TDS

#### Objective

By the end of this exercise, you will be able to create test records in the TDS repository by using TDS Standard Modules.

#### Why is this important?

In order to enter test records into the database of the TDS repository, we have to create a TestCase using TDS Standard Modules. This exercise will focus on creating a simple TestCase for you to get used to the concept of creating new test records through the TDS Standard Modules.

#### Business Context

The name provided for the "Existing or new TDS type\*" will be the name displayed under "Types" on the Test Data Management page.

"Alias name (record)" is a name assigned to specify a certain record in a dataset. This field is optional. If left empty, the TDS type will be used as the Alias name. The main purpose of using an Alias name is to distinguish between record types.

#### Instructions

Create a **TestCase** in the Folder "**Exercise 02A**" named "**Register TestData through TDS**".

1. Add the TDS Standard Module "**TestData – Create & provide new record**" into this TestCase and rename the TestStep to "**Create MyAddress**".
2. Enter the data as per the table below:

TestStep Name	TestStepValue	Value	Action Mode
Create MyAddress	Existing or new TDS type*	MyAddress	Input
	<b>Expand the Data structure and enter the Values for the TDS Attributes as below:</b>		Select
	Name	Mr Test	Input
	Address	Training Street 1	Input
	Zipcode	1234	Input

3. Run the TestCase in the **Scratchbook**.
4. Update the **WorkState** of the TestCase to **COMPLETED** and save your changes.

#### Hints

- » Please note, the objects within the TestStepValue column such as "Name", "Address" and "Zipcode" are referred to as **TestStepValues** in Tosca. However, these same objects are also referred to as **TDS Attributes** within the TDS repository. Depending on the context, these two terminologies are used interchangeably. This naming convention applies to all objects displayed in the TestStepValue column when working with TDS.

## Exercise 02B | View Test Records in Test Data Management

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### Objective

By end of this exercise, you will know where to view the registered test records in the TDS repository by familiarizing yourself with the Test Data Object Viewer and the Test Data Management page.

### Why is this important?

To view all your created test records in the TDS repository, you must access the Test Data Object Viewer. This directs you to the Test Data Management webpage, which contains all your data repositories and test records within them.

### Business Context

The Types column on the left displays all the database types, such as "MyAddress" which was created by the TestCase in the previous exercise. The green number displayed next to the TDS Type indicates the number of records (or data entries) of this type. You can view these records by clicking on the respective type in the "Types" column.

### Instructions

Open the landing page of the "**Test Data Object Viewer**" through your configured ToscaServer URL in the web browser:

1. <http://<SERVER IP or localhost>:<port-number>/TestDataObjectViewer>

For example, the sample URL would look like: <http://localhost:81/TestDataObjectViewer>

2. Click on the "**TDS2 repository**" created as part of the previous exercise.
3. Underneath the "**Types**" column on the left, you will see the TDS Type "**MyAddress**". This contains a table-like structure with all the data entries or records from the previous exercise.

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### Hints

- » By default, the TDS records created in the respective TDS type are in a locked state. After you have retrieved a record, it is locked. This means, no one else in a distributed environment can use that test record in a TestStep. The record, however, becomes automatically unlocked once you have executed your test.

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## Exercise 02C | Register a Customer in the Web Shop

### Objective

By end of this exercise, you will register a new customer in the DemoWebShop application and enter this new customer data into the TDS repository through Test Data Services. This exercise is an extension of Exercise 02A.

### Why is this important?

In order to create and enter test records of newly registered customers in the TDS repository, we will be using the DemoWebShop application which will be the building block for the rest of the course.

### Business Context

Some customer data such as FirstName, LastName and Email have already been saved as Buffers as part of the imported TDS2 Base Subset, as this is an important part of the registration process for the DemoWebShop.

Once the TestCase "Register new customer" is executed, this will register one customer in the DemoWebShop application. This will also create a new data entry in the TDS repository, namely, a customer with the Status "New".

The Values of the TDS Attributes NewsLetter, Items, OrderNumber, OrderStatus have been left blank as they will be updated later in subsequent exercises. These TDS Attributes will also be used later as search criteria when updating them progressively.

### Instructions

1. Navigate to the **TestCase "Register new customer"** in the "**Exercise 02C**" Folder.
2. Run the **TestCase** in the **Scratchbook** as part of the imported **TDS2 Base Subset**.
3. Navigate to the TestStepFolder "**Write customer details in TDS**" and add the TDS Standard Module: "**TestData - Create & provide new record**"
4. Rename the "**TestData - Create & provide new record**" TestStep to "**Provide the customer details to be entered in TDS**".
5. Enter the data as per the table below:

TestStep Name	TestStep Value	Value	Action Mode
TestStepFolder <b>Write customer details in TDS</b>			
Provide the customer details to be entered in TDS	Existing or new TDS type*	CustomerDetails	Set the correct Action Mode
	<b>Expand the Data structure and enter the Values for the TDS Attributes as below:</b>		Set the correct Action Mode
	FirstName	Enter the correct Buffer	Set the correct Action Mode
	LastName	Enter the correct Buffer	Set the correct Action Mode
	Email	Enter the correct Value	Set the correct Action Mode
	NewsLetter	Leave blank	Leave blank
	Status	Enter the correct Value	Set the correct Action Mode
	Items	Leave blank	Leave blank
	OrderNumber	Leave blank	Leave blank
	OrderStatus	Leave blank	Leave blank

6. Run the TestCase in the **Scratchbook**.
7. Update the **WorkState** of the TestCase to **COMPLETED** and save your changes.
8. Refresh the **Test Data Management** page in the web browser to **view** the newly created test records.

### Hints

- » The TDS Attribute "Status" will be used later as search criteria to look for customers in that state.

## Exercise 02D | Create Multiple Customers

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### Objective

By the end of this exercise, you will be able to create multiple records of customer data in the TDS repository using the DemoWebShop application.

### Why is this important?

This exercise demonstrates how to create a large amount of customer records in the TDS repository.

### Business Context

Using Buffers in the TestCase as well as modifying the Repetitions property Value allows you to generate a large amount of test data very easily for Test Data Management.

### Instructions

1. Create an "ExecutionList" called "**Multiple customers**" within the "Exercise 02D" ExecutionList Folder.
2. Drag and drop the **TestCase "Register new customer"** onto this ExecutionList.
3. Navigate to the newly created **ExecutionEntry "Register new customer"**, and in the context menu, select the command **Modify -> Repetitions**.
4. Enter a **Value** of 5 in the "**Replace with**" field and click on "**Modify All**".
5. Run the **ExecutionList**. Refresh/reopen the **Test Data Management page** in the web browser to view the newly created test records.
6. Refresh the **Test Data Management** page in the web browser to **view** the newly created test records.
7. Save your changes.

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### Hints

- » The Repetitions Value can also be changed in the Properties pane when selecting the relevant ExecutionEntry.