

### Lesson Objectives

- What is Recovery Scenario
- How to create Recovery Scenario



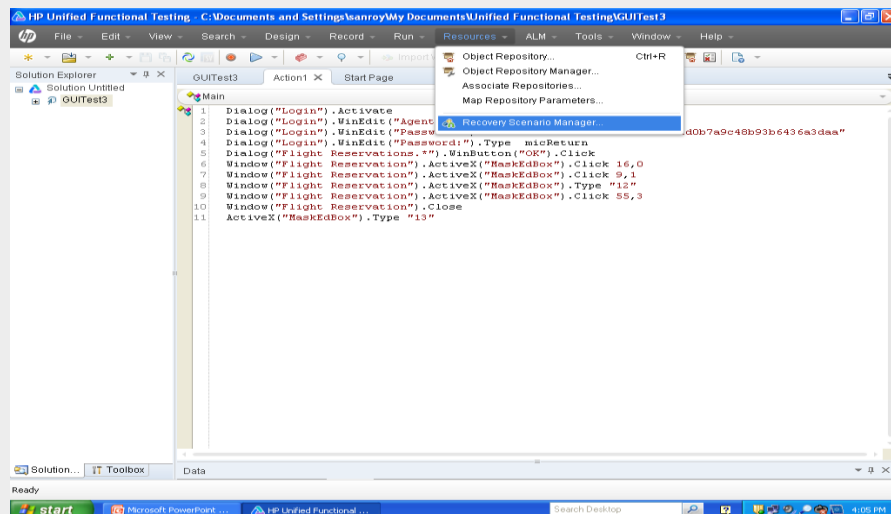


### What is a Recovery Scenario?

- Recovery Scenario is a mechanism by which UFT handles any unexpected windows, pop-ups or application crashes while the test is running so that the test is not interrupted.
- Every type of recovery situation needs to be handled with a separate recovery scenario.
- The recovery scenarios continuously look for the recovery situations occurring in the application as long as the test is running.
- A Recovery scenario consists of 3 Stages
  - a) Trigger Event
  - b) Recovery Operation
  - c) Post Recovery Run Option

## How to create a recovery scenario?

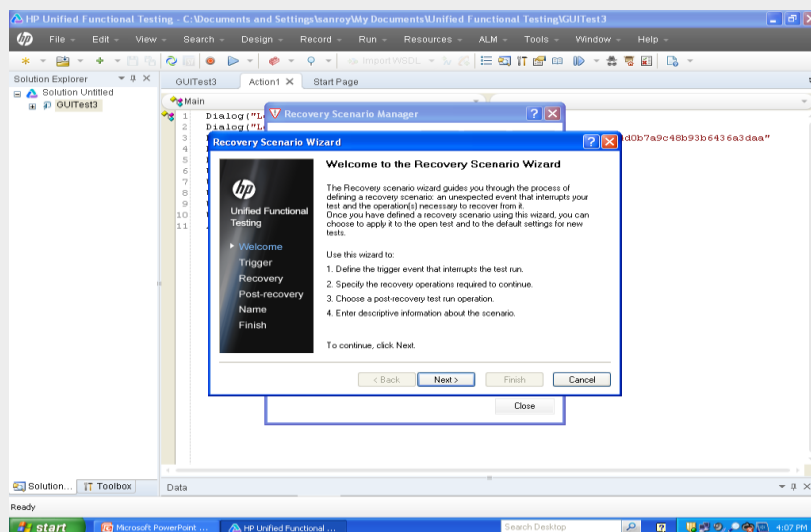
Select "Recovery Scenario Manager" from the "Resources" menu.



## How to create a recovery scenario?



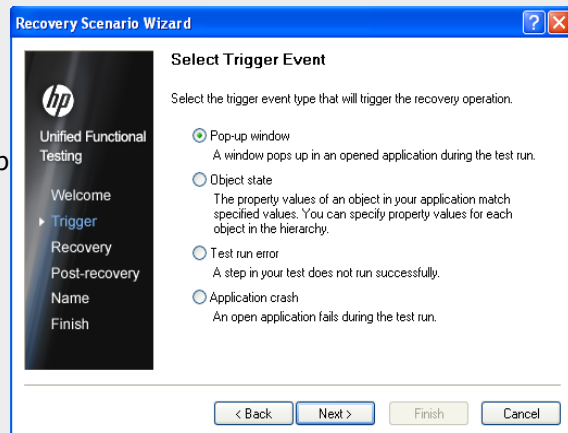
Recovery Scenario Wizards starts. Click **Next** on this screen.



## How to create a Recovery Scenario?

Depending on the desired type of recovery scenario, select the appropriate Radio button.

Recovery scenarios can be defined for unwanted Pop-up window, Object state, Test run error or application crash

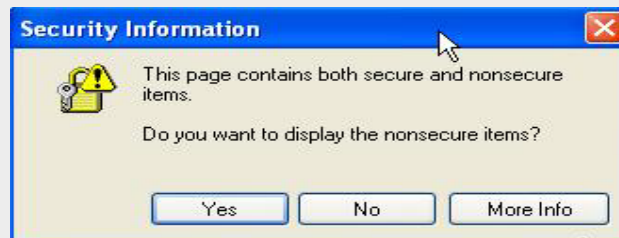


## How to create a Recovery Scenario?



Click **Next** button to define Recovery Scenario for a pop-up window.

For Instance, following Pop-up window may appear while navigating from non-secure to a secure web page and will create Recovery Scenario for the Pop-up



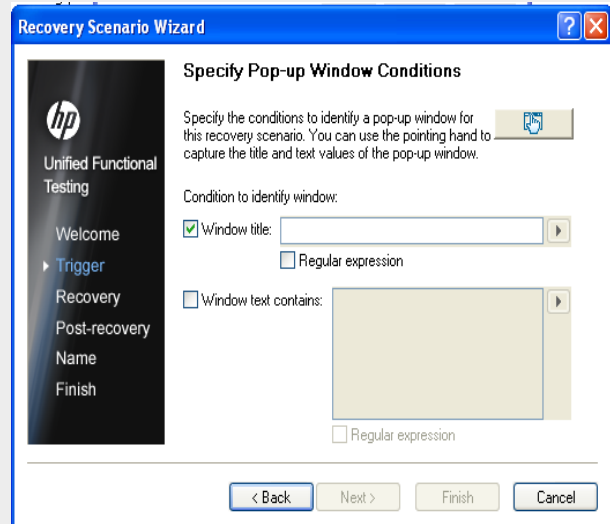
## How to create a Recovery Scenario?

UFT captures the window title and window text.

Uncheck the checkbox **"Window text contains"**.

Now UFT look for any security window with the title Security Information or any generic title.

If the window title changes dynamically with some pattern, Click the checkbox "Regular Expression" and provide the pattern

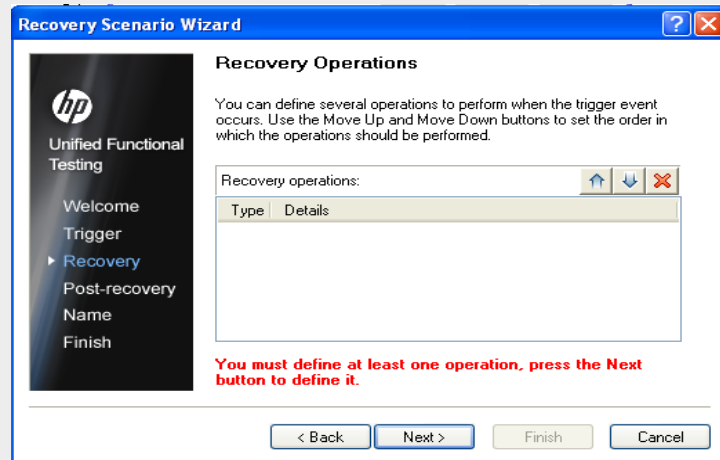




## How to create a Recovery Scenario?

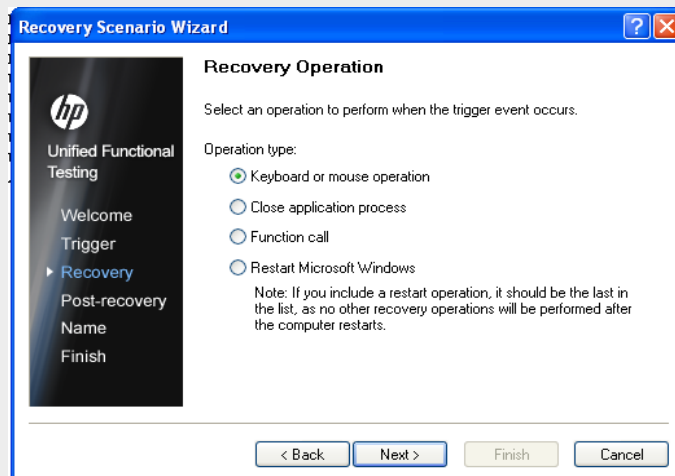


Next screen informs us that we should define the recovery operation to be done in order to handle this window.



## How to create a Recovery Scenario?

Click **Next** button to view the Recovery Operation window.  
Select the appropriate action to be performed



### How to create a Recovery Scenario?

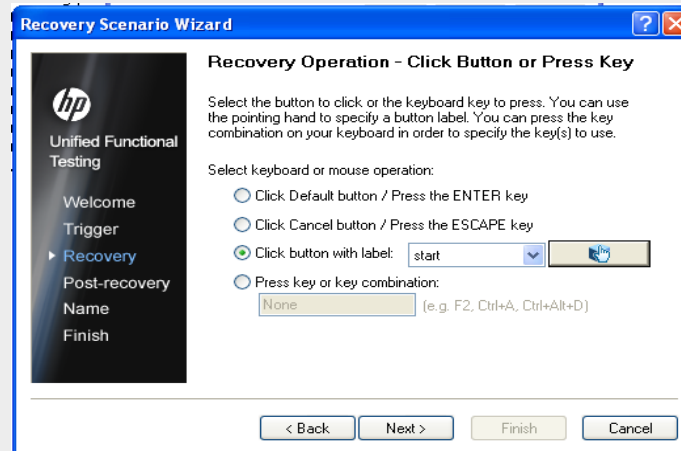


- Keyboard or mouse operation allows us to click a button on the screen.
- Close application process allows us to kill the process which starts the unwanted window so we can continue with testing.
- Function call will allow us to write a user-defined function to handle the unwanted window.
- Restart Microsoft Windows allows us to restart the windows all together if needed.

In above example, click on the first radio button "**Keyboard or mouse operation**".

## How to create a Recovery Scenario?

We can show the button we want UFT to click using the hand icon in the following screen and click **Next** button.

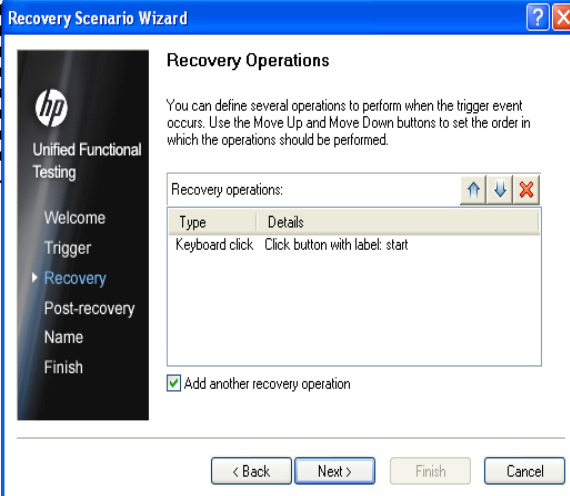


## How to create a Recovery Scenario?

We can add another recovery scenario if needed from the following screen.

If we don't want to create another scenario uncheck the checkbox **"Add another recovery operation"**

Click **"Next"**



The screenshot shows the 'Recovery Scenario Wizard' dialog box. On the left is a sidebar with the HP logo and a list of steps: 'Welcome', 'Trigger', 'Recovery' (which is highlighted with a blue arrow), 'Post-recovery', 'Name', and 'Finish'. The main area is titled 'Recovery Operations' and contains the text: 'You can define several operations to perform when the trigger event occurs. Use the Move Up and Move Down buttons to set the order in which the operations should be performed.' Below this text is a table with the heading 'Recovery operations:'. The table has two columns: 'Type' and 'Details'. It contains one row with 'Keyboard click' in the 'Type' column and 'Click button with label: start' in the 'Details' column. To the right of the table are three buttons: an up arrow, a down arrow, and a red X. Below the table is a checkbox labeled 'Add another recovery operation' which is currently checked. At the bottom of the dialog are four buttons: '< Back', 'Next >', 'Finish', and 'Cancel'.

Type	Details
Keyboard click	Click button with label: start

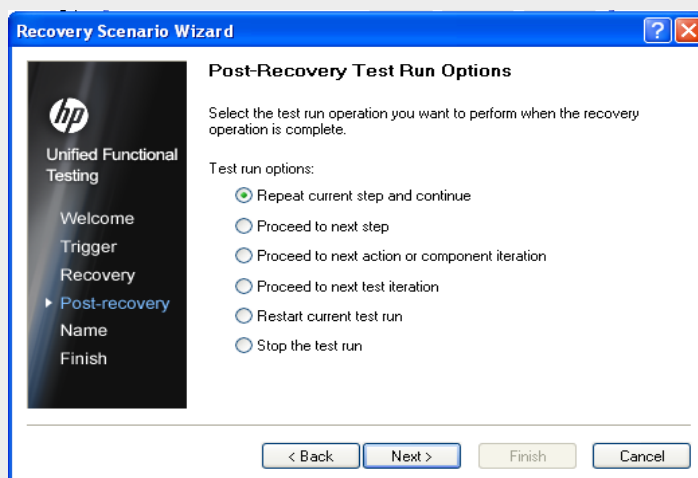
☒ Add another recovery operation

< Back   Next >   Finish   Cancel

## How to create a Recovery Scenario?



Following screen allows us to define the Post-recovery operation to be performed.



### How to create a Recovery Scenario?



Since the recovery scenario is kicked off only when the error is about to be thrown since UFT could not find an object because of the unwanted window or object state it is logical to re-execute that particular statement again after the post-recovery operation.

Hence select the option "**Repeat current step and continue**".

If the situation is different, make the appropriate selection depending on the desired operation.

If the exception does not allow us to test the application anymore in this test run, select the last radio button "**Stop the test run**".



### How to create a Recovery Scenario?

- Use **"Proceed to next step"** if you want to continue with the test.
- Use **"Proceed to next action"** if you want to skip the current action in the flow and continue with the next action.
- Use **"Proceed to next test iteration"** if you want to skip the current row of global row and continue with the next row of Global sheet.
- Use "Restart current test run" if you want to start the test altogether. Click **Next**.



## How to create a Recovery Scenario?



Provide a name for the Recovery Scenario and click **"Next"**.

**Recovery Scenario Wizard**

**Name and Description**

Provide a name and description for your recovery scenario.

Recovery file:

Scenario name:

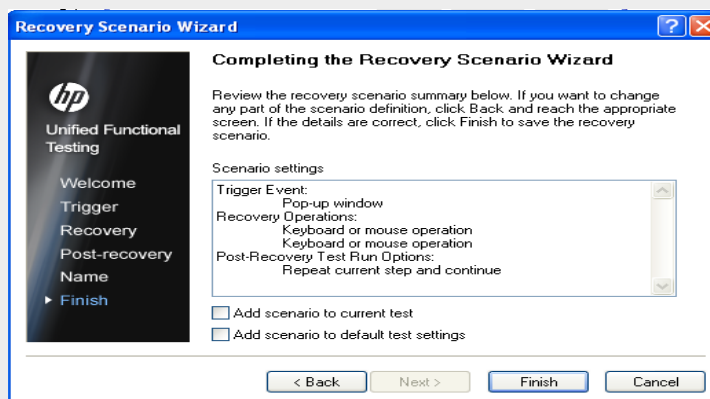
Description:

## How to create a Recovery Scenario?



Make sure that the checkboxes **"Add scenario to current test"** and **"Add scenario to default test settings"** are selected as shown below. This will add the Recovery Scenario to the current and the UFT settings as well.

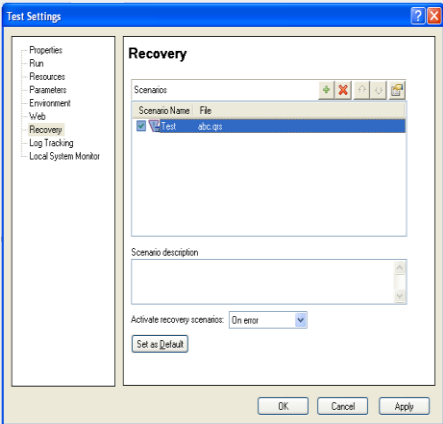
Click "Finish" and follow the further steps to save the recovery scenario to a recovery file



### Associate Recovery Scenario



- To enable/disable specific recovery scenarios:
- Select the check box to the left of one or more individual scenarios to enable them.
  - Clear the check box to the left of one or more individual scenarios to disable them.



Button	Description
	Opens the Add Recovery Scenario dialog box, which enables you to associate one or more recovery scenarios with the component. For more information, see <a href="#">Defining and Using Recovery Scenarios</a> .
	Removes the selected recovery scenario from the component.
	Moves the selected scenario up in the list, giving it a higher priority during the component run session.
	Moves the selected scenario down in the list, giving it a lower priority during the component run session.
	Displays summary properties for the selected recovery scenario in read-only format. For more information, see <a href="#">Defining and Using Recovery Scenarios</a> .

## Demo



- Demo on Recovery Scenario

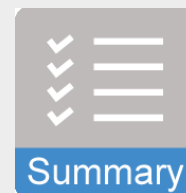


## Summary



In this lesson, you have learnt

- What is Recovery Scenario  
Recovery Scenario is a mechanism by which UFT handles any unexpected windows, pop-ups or application crashes while the test is running so that the test is not interrupted.
- How to create Recovery Scenario
- Recover Scenario Wizard



Add the notes here.