

Freeze Scenarios





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Overview

Learn how to ensure specific scenarios do not change even when you are updating your model. What if we want to test an Airplane Ticket Reservation scenario, but need to edit it after completing some execution?

Let's assume this is the initial model state:

| | | | |
|---------------------|-------------------|-----------------|-------------------|
| Flying From (3) | India | the Philippines | the United States |
| Flying to (3) | the United States | the Philippines | India |
| Class (3) | Coach | Business | First |
| Seat Preference (2) | None | Selected | |
| Adults (2) | 1 | More than 1 | |
| Children (3) | 0 | 1 | More than 1 |

Search... 11 scenarios and 106 2-way interactions  

| # ^ | Flying From | Flying to | Class | Seat Preference | Adults | Children |
|-----|--------------------------|------------------------|--------------|-----------------|-------------|-------------|
| 1 | India | the United States | Coach | None | 1 | 0 |
| 2 | the Philippines | the Philippines | Coach | Selected | More than 1 | 1 |
| 3 | the United States | India | Coach | Selected | 1 | More than 1 |
| 4 | the United States | the Philippines | Business | None | More than 1 | 0 |
| 5 | the Philippines | India | First | None | 1 | 0 |
| 6 | India | the United States | Business | Selected | 1 | 1 |
| 7 | the United States | the United States | First | None | More than 1 | 1 |
| 8 | India | the Philippines | First | Selected | 1 | More than 1 |
| 9 | the Philippines | the United States | Business | None | More than 1 | More than 1 |
| 10 | India | India | Business | <i>Selected</i> | More than 1 | 1 |
| 11 | <i>the United States</i> | <i>the Philippines</i> | <i>Coach</i> | Selected | <i>1</i> | 0 |

1

On the Scenarios screen, click the “Freeze these Scenarios” button located in the top right, just above your first created test.

Search...

11 scenarios and 106 2-way interactions

Freeze these Scenarios

| # | Flying From | Flying to | Class | Seat Preference | Adults | Children |
|----|-------------------|-------------------|----------|-----------------|-------------|-------------|
| 1 | India | the United States | Coach | None | 1 | 0 |
| 2 | the Philippines | the Philippines | Coach | Selected | More than 1 | 1 |
| 3 | the United States | India | Coach | Selected | 1 | More than 1 |
| 4 | the United States | the Philippines | Business | None | More than 1 | 0 |
| 5 | the Philippines | India | First | None | 1 | 0 |
| 6 | India | the United States | Business | Selected | 1 | 1 |
| 7 | the United States | the United States | First | None | More than 1 | 1 |
| 8 | India | the Philippines | First | Selected | 1 | More than 1 |
| 9 | the Philippines | the United States | Business | None | More than 1 | More than 1 |
| 10 | India | India | Business | Selected | More than 1 | 1 |
| 11 | the United States | the Philippines | Coach | Selected | 1 | 0 |

2

You will be faced with the following warning message, reminding you that freezing your test cases should only be done when there is a valid reason to do so.

If there is a valid reason to freeze the tests and you do wish to continue, click the "Freeze" button.

Freeze these Scenarios



Freezing scenarios is **usually not desirable** and will result in **less efficient scenarios** going forward as your test plan evolves.

Freezing should only be done if there's an important reason to preserve **these exact scenarios**. Some possible examples are:

- Investment in determining expected outcomes of these specific scenarios
- Investment in automating these exact scenarios that's not simply data-driven

Freezing these scenarios will result in **11 new forced interactions**.

Are you sure you wish to continue?

Cancel


Freeze

3

Once you click "Freeze," your existing test cases will be "frozen" as Forced Interactions.

Here's what that looks like now. All of our tests have been "frozen" as the combinations of forced parameter values.



|  Unfreeze | Name | Description | Forced Parameter Values |
|--|-------------------|-------------|---|
| | Frozen Scenario 1 | | Flying From = India Flying to = the United States Class = Coach Adults = 1 |
| | Frozen Scenario 2 | | Flying From = the Philippines Flying to = the Philippines Class = Coach Adults = More than 1 |
| | Frozen Scenario 3 | | Flying From = the United States Flying to = India Class = Coach Adults = 1 |
| | Frozen Scenario 4 | | Flying From = the United States Flying to = the Philippines |

How is this useful?

Let's add another parameter, "Amount of Luggage". At this point, we may have already run some of these scenarios, so we don't want to have to re-do any of them, even if Xray Test Case Designer could reduce the total number. By freezing the previous 11 tests, Xray Test Case Designer will keep them as they are, and simply add a couple scenarios to pair all of the new values – the numbers of luggage – with every other value.

Amount of luggage (3)

0

1

2 or more

Here are the new tests. Note the initial 11 scenarios are still present. We've simply added a few more.

A) Airplane Ticket Reservation

| # | Flying From | Flying to | Class | Seat Preference | Adults | Children | Amount of luggage |
|----|-------------------|-------------------|----------|-----------------|-------------|-------------|-------------------|
| 1 | India | the United States | Coach | None | 1 | 0 | 0 |
| 2 | the Philippines | the Philippines | Coach | Selected | More than 1 | 1 | 1 |
| 3 | the United States | India | Coach | Selected | 1 | More than 1 | 2 or more |
| 4 | the United States | the Philippines | Business | None | More than 1 | 0 | 1 |
| 5 | the Philippines | India | First | None | 1 | 0 | 2 or more |
| 6 | India | the United States | Business | Selected | 1 | 1 | 0 |
| 7 | the United States | the United States | First | None | More than 1 | 1 | 2 or more |
| 8 | India | the Philippines | First | Selected | 1 | More than 1 | 0 |
| 9 | the Philippines | the United States | Business | None | More than 1 | More than 1 | 1 |
| 10 | India | India | Business | Selected | More than 1 | 1 | 2 or more |
| 11 | the United States | the Philippines | Coach | Selected | 1 | 0 | 2 or more |
| 12 | India | India | First | None | 1 | 0 | 1 |
| 13 | the Philippines | India | Coach | None | More than 1 | 0 | 0 |
| 14 | the United States | India | Coach | None | 1 | 0 | 0 |

Here's what the differences could have looked like if we had not frozen our initial 11 tests.

Notice how Test Case 3 contained the following while frozen:

- USA
- India
- *Coach*
- Selected
- 1
- *More than 1*
- 2 or more

If we unfroze, Test Case 3 could contain the following:

- USA
- India
- *First*
- Selected
- 1
- 0
- 2 or more

Therefore, we would have needed to re-run our initial scenarios. If we still wanted to unfreeze, we can do so by navigating to the Forced Interactions page and simply clicking the "Unfreeze" button in the top left.