Performance Report Optimization

If you have a situation where you are having trouble downloading the execution summary file for a large number of users because of the amount of data. A example of this situation is where you can download the data for 200 users, but you have problems downloading the data for 500 or 1000 users.

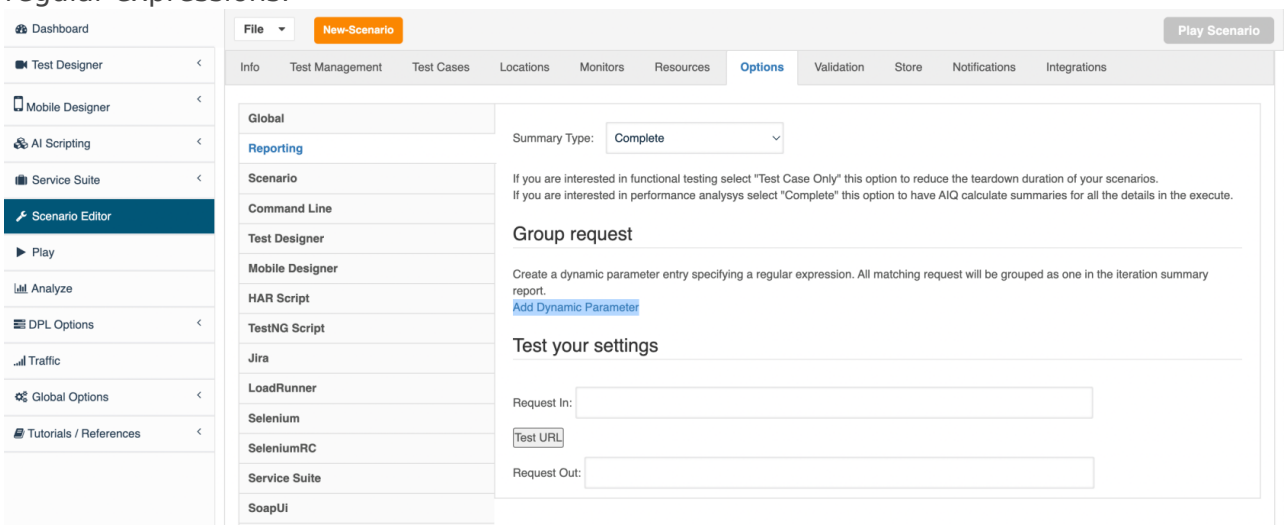
Here are some guidelines for suppressing some of the data by replacing dynamic values with regular expressions.

For more information on handling dynamic requests with regular expressions see Best practices to improve AIQ performance.

Report Optimization

The following optimization will greatly reduce the tear down duration of the scenario and also improve the time required to download the iteration summary report because it will reduce the number of rows.

1. In the **Reporting** section on the **Options** tab of the Scenario Editor, there is an option called “Add Dynamic Parameter” that you can use to replace dynamic values using regular expressions.



For example:

```
db=[\w\-\!]+ policyId=[0-9]+ _windowId%3DW[0-9]+ customerId=[0-
9]+ customerNumber=[\w]+ ln=org[\w\.]+ _=[0-9]+
```

2. Open the IDE, and in the script(s) locate the steps listed below and and add a description to those steps. The descriptions that you add will be listed in the iteration summary report instead of the current step name. Until you add the description the report is listing some dynamic values which results in the steps being listed multiple times.
   Generally you should not see duplicate step numbers in the iteration summary report.

```
1.13)
SetValue(textbox('{'locators':['crmForm:generalInfo_firstName'],'DS3_Any':true}'),Jac
kbdamn) 1.43) Log([Jackaslnj Jillilkti, , New Person, New Corporation] // this comes
after a step which name 1.42)
Store(getSelectTexts(select('policyDataGatherForm:sedit_PreconfigInsured_partySelecti
on'))) 1.44)
SetSelected(select('policyDataGatherForm:sedit_PreconfigInsured_partySelection'),Jack
avzpc Jillzrvwg) 1.48) Log([Jackaslnj Jillilkti, , Create New Driver]) 1.49)
SetSelected(select('policyDataGatherForm:sedit_PreconfigAutoDriver_partySelection'),J
ackaslnj Jillilkti)
```

When to use this guidance

Use these optimizations when an execution summary is too large to download reliably. Reduce report payload size only for values that are known to be dynamic, so the data needed for analysis remains available.

Validation after optimization

1. Apply the documented regular-expression substitutions only to dynamic values.
2. Run a representative scenario and compare the optimized summary with an unoptimized sample.
3. Confirm that the required request, timing, and error information remains available before relying on the report.

Last updated: October 15, 2026

If you have any feedback on this topic, please contact us at documentation@appvance.ai

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Revision #6
Created 2026-07-31 15:38:13 UTC by Admin
Updated 2026-10-15 18:13:27 UTC by mmora