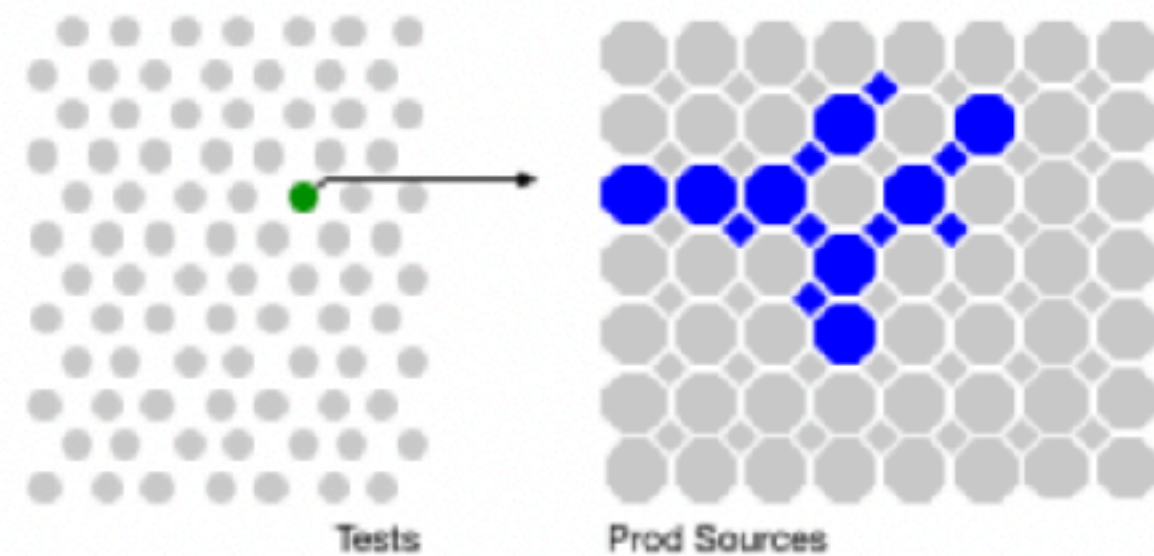
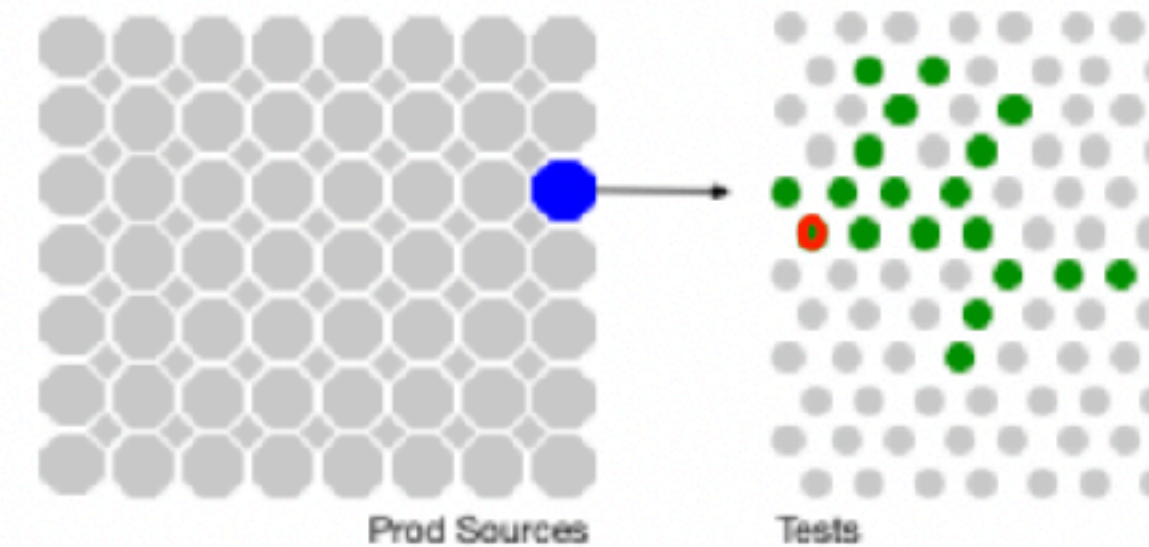


WHAT IS TRIAGE & WHY ?

- **Sorting/categorizing and prioritizing problems as they arise**
- **The sooner you identify 'real' defects (surfaced by test failures), the less expensive to address**



One test (from many) exercises a subset of the production sources.

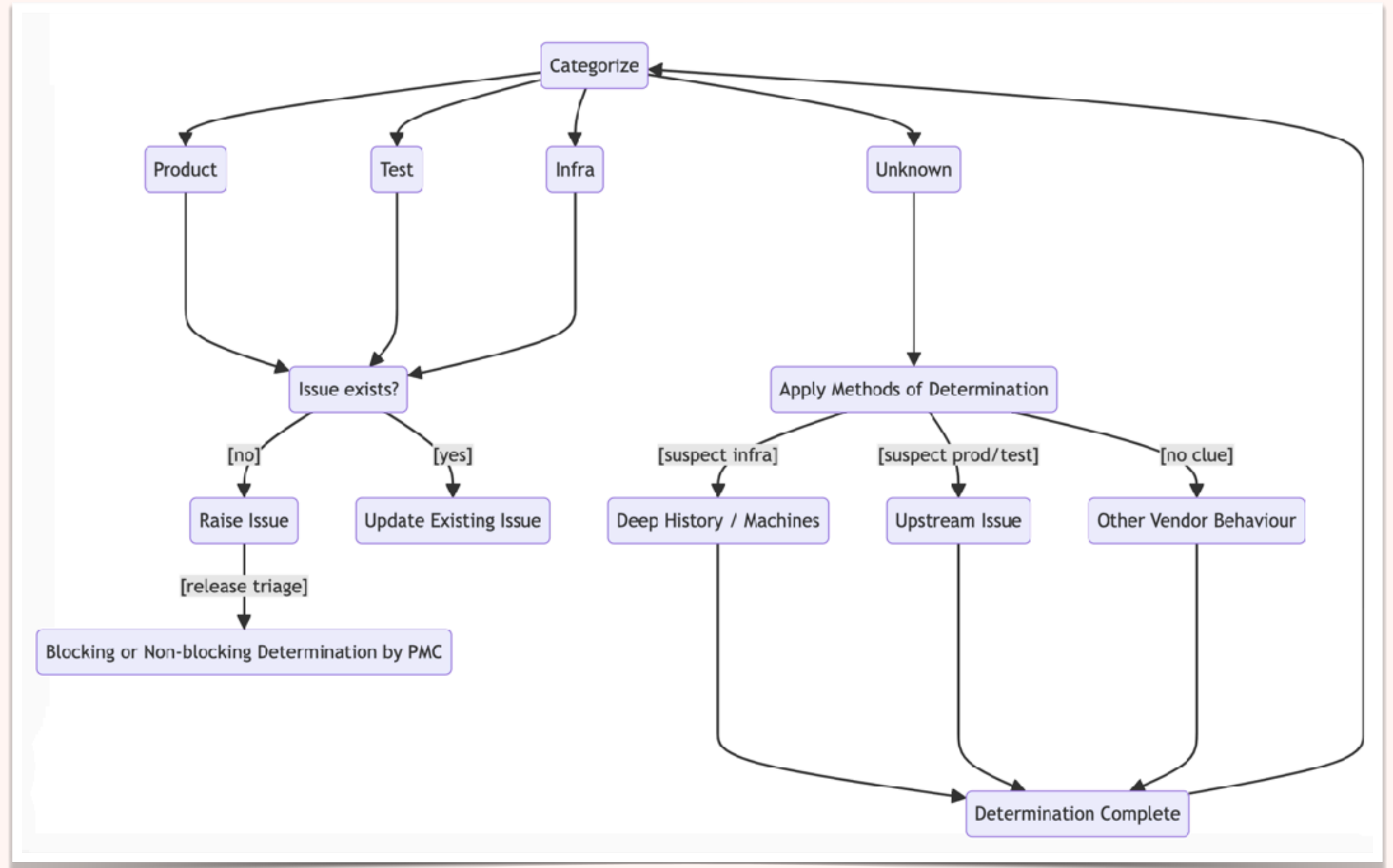


One prod source is exercised by a subset of the tests (whether unit, integration or functional)

<https://martinfowler.com/articles/rise-test-impact-analysis.html>

QUICK DECISIONS

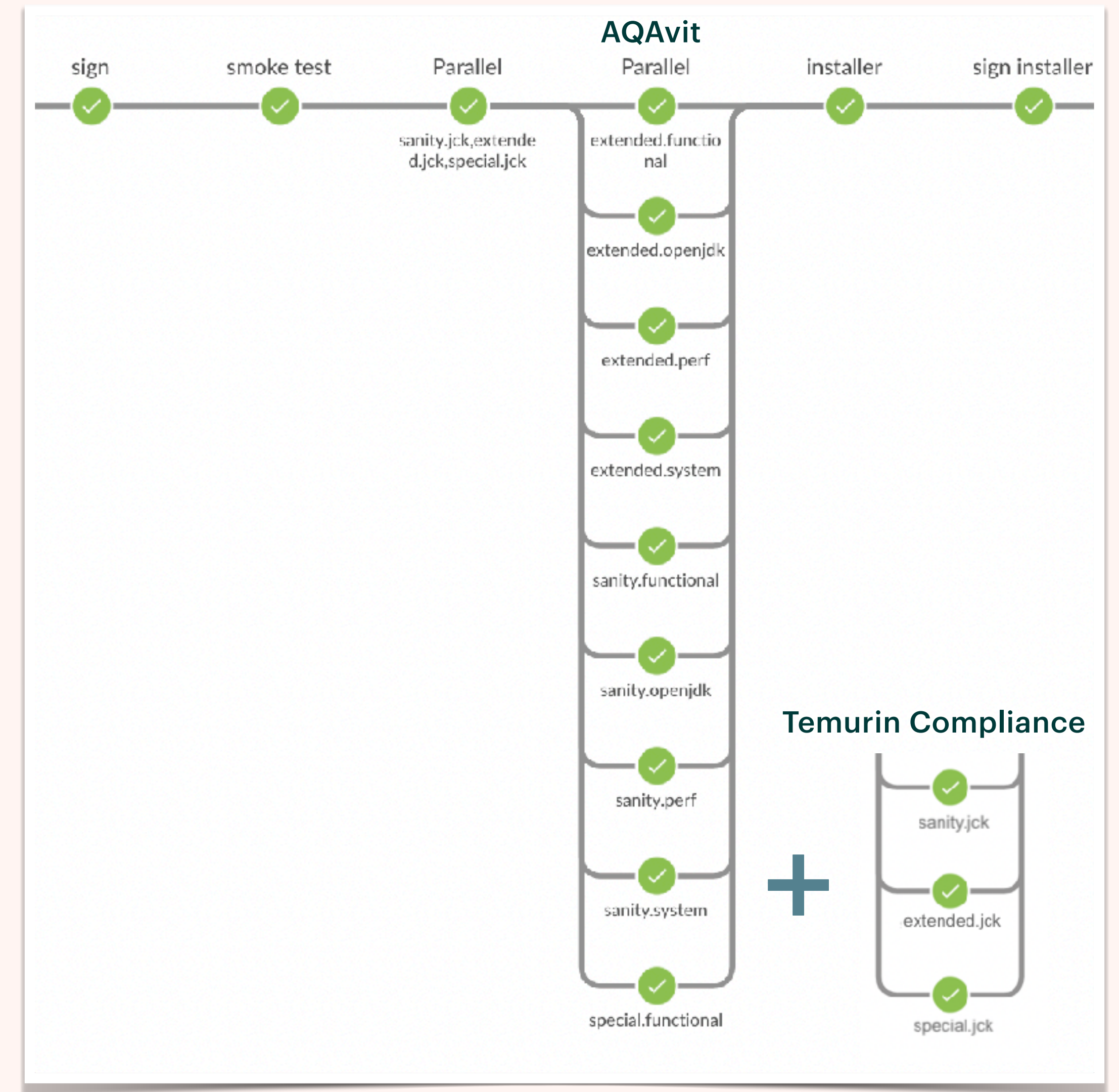
- Failures have root causes that fall into 3 broad categories [product|test|infrastructure]
- If failures show test or infra issues, it may hide product defects leading them to escape to the field.
- If failure, determination of impact and an informed decision of blocking or non-blocking needs to be made (by PMC).



JAN & APRIL 2024 CPU TRIAGE AT ADOPTIUM

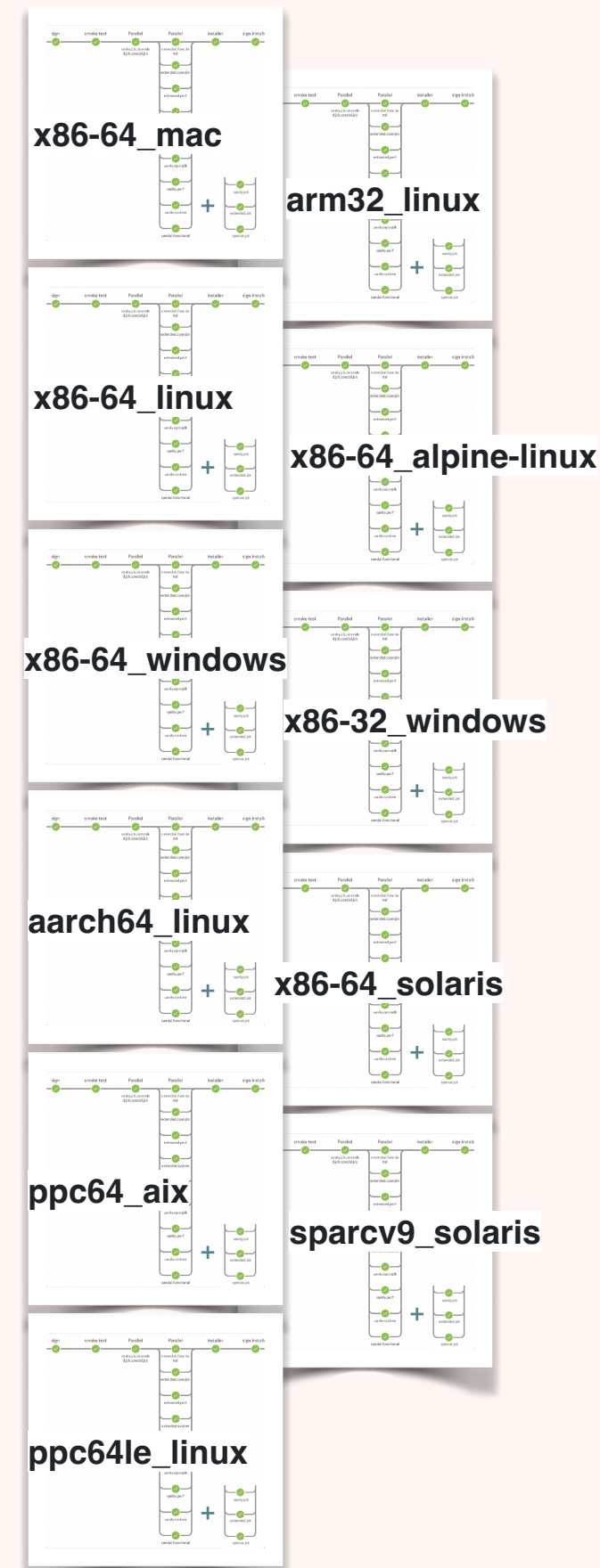
Using the Test Results Summary Service
(TRSS)

trss.adoptium.net

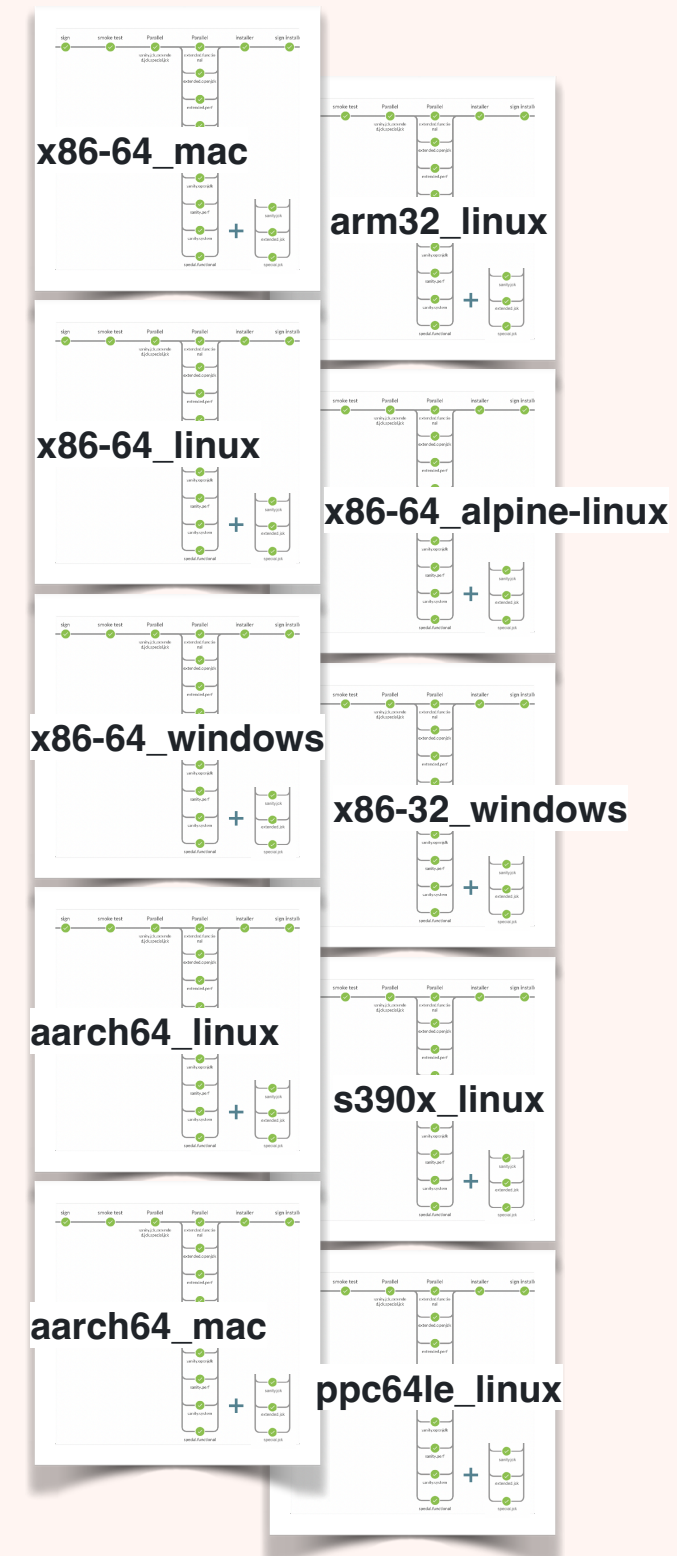


JAN CPU - 41 PRODUCTS

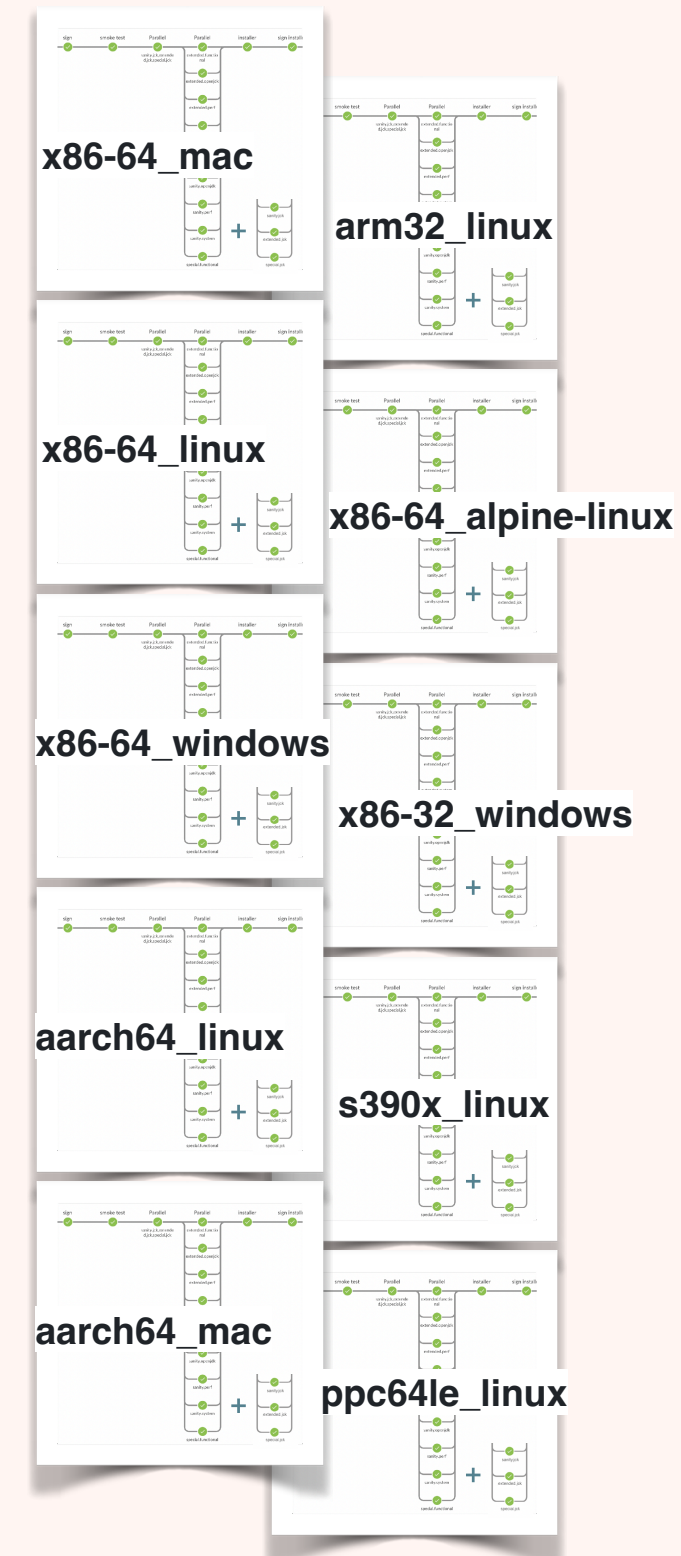
release-openjdk8-pipeline



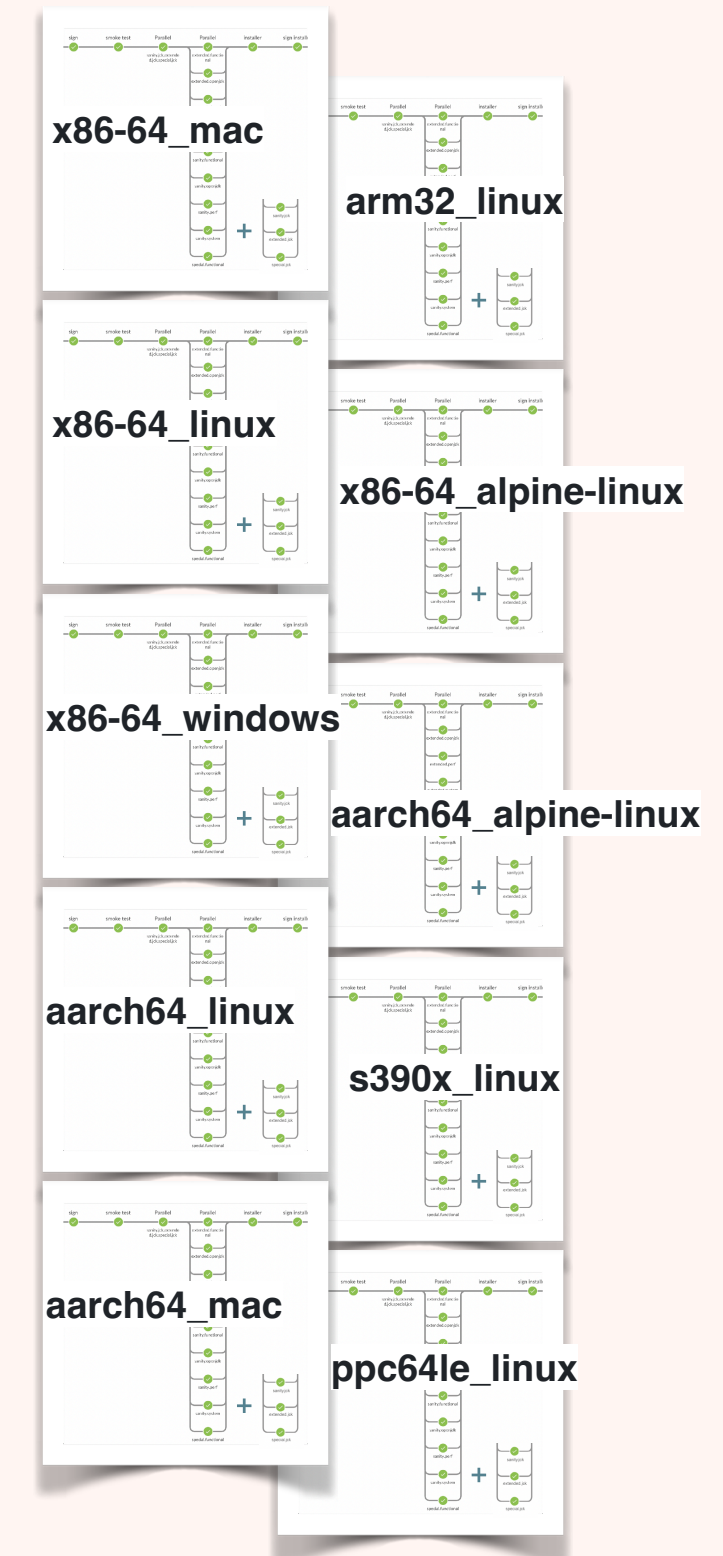
release-openjdk11-pipeline



release-openjdk17-pipeline

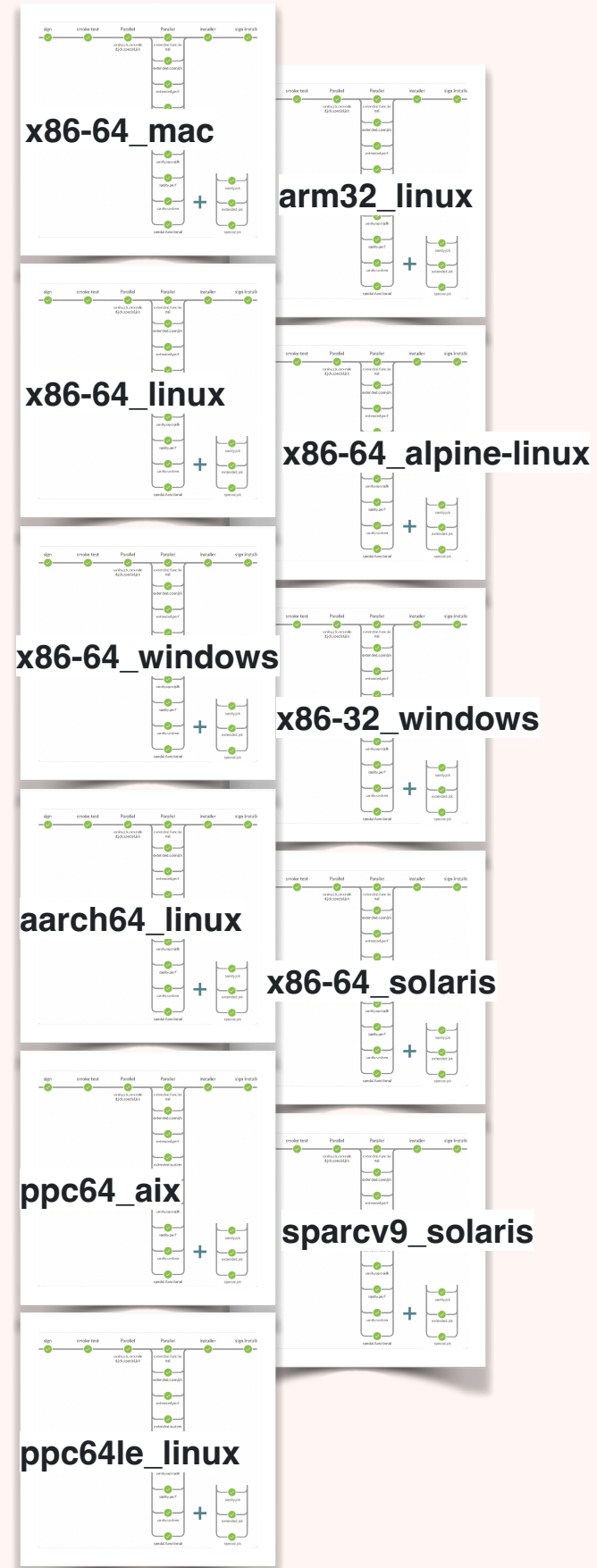


release-openjdk21-pipeline

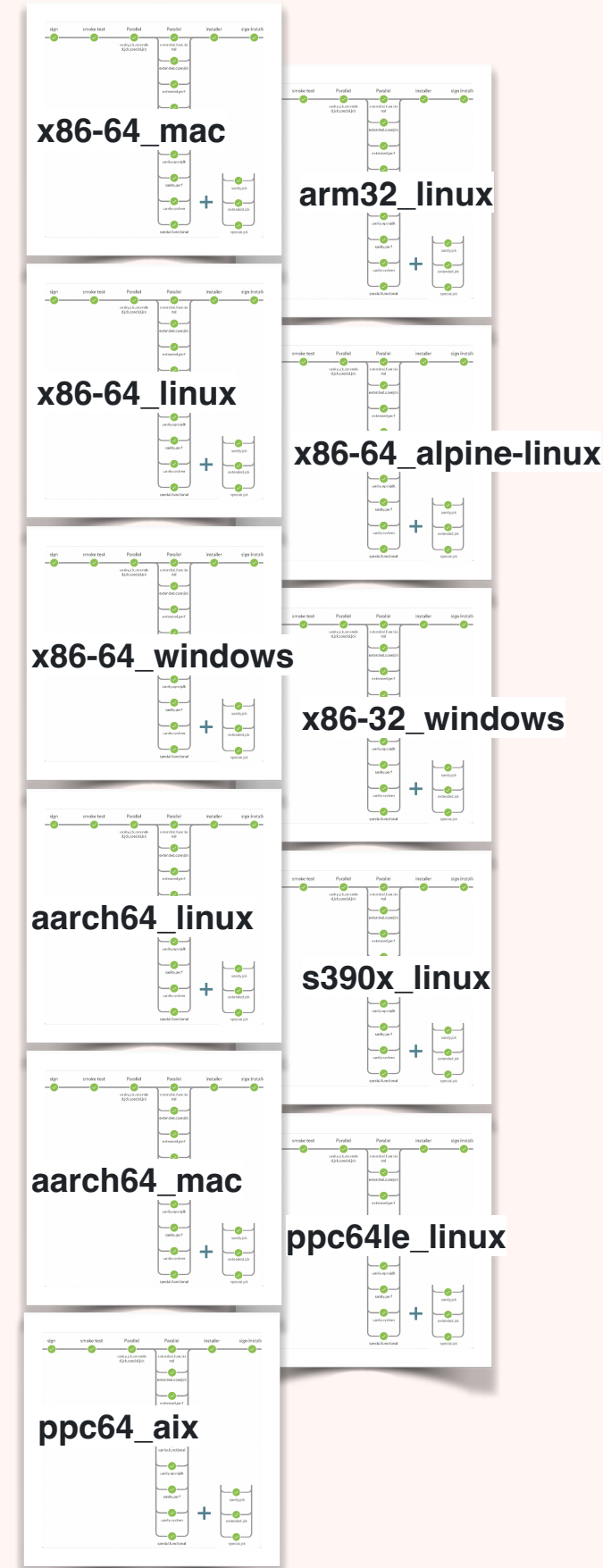


APRIL CPU - 54 PRODUCTS

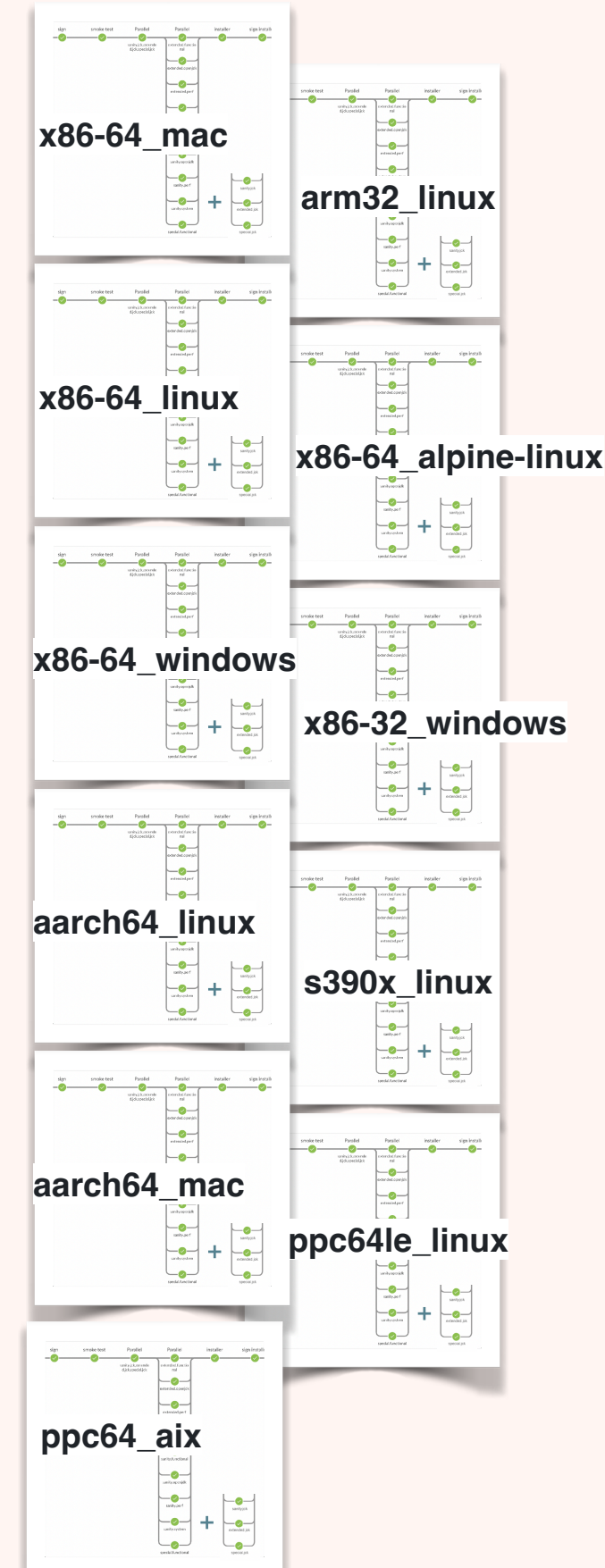
release-openjdk8-pipeline



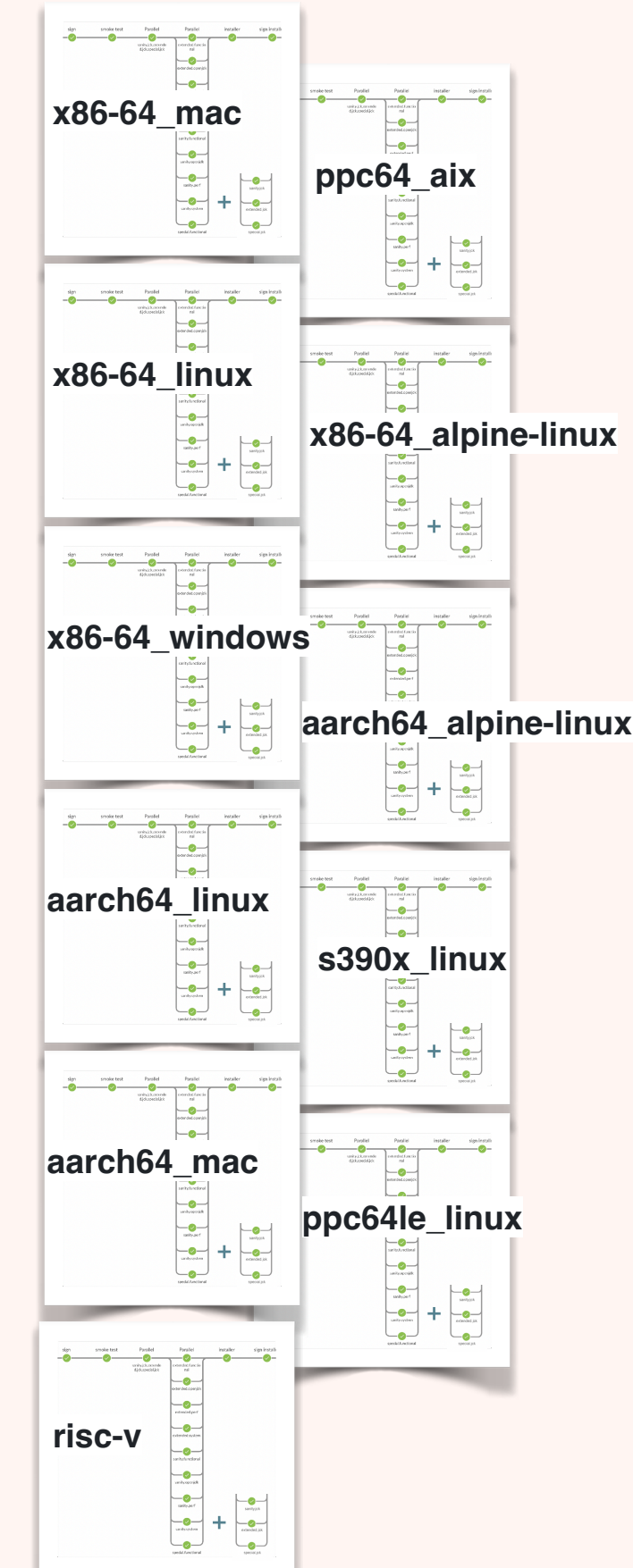
release-openjdk11-pipeline



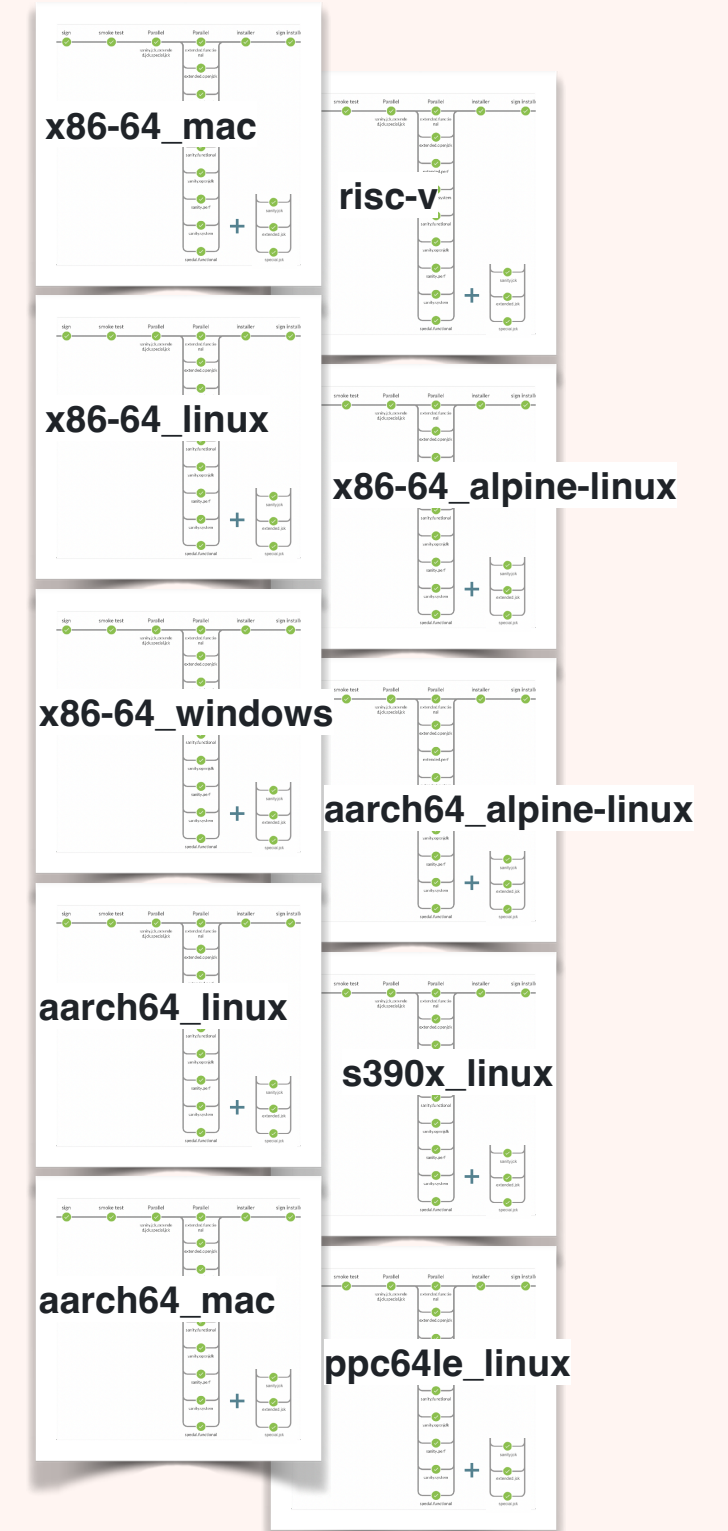
release-openjdk17-pipeline



release-openjdk21-pipeline



release-openjdk22-pipeline



AQAVIT TERMINOLOGY

- **level** (dev|sanity|extended|special)
- **group** (functional|openjdk|system|perf|external|jck)
- **top-level target** (like sanity.openjdk)
 - **test target** (like jdk_math)
 - **test case** (like java/math/BigInteger/BigIntegerTest.java)
- **pipeline states:** Passed | Failed | Unstable | Aborted
- **test states:** Executed | Failed | Passed | Disabled | Skipped

	build	external	functional	jck	openjdk	perf	system	
x86-64_alpine-linux								dev
								sanity
								extended
								special
hs								
x86-64_mac								
hs								
x86-64_windows								
x86-64_windows								

IDENTIFY RELEASE PIPELINES

- Triggered automatically by “build-scripts/utils/releaseTrigger_jdkXXu”
 - <https://ci.adoptium.net/job/build-scripts/job/release-openjdk8-pipeline/37/>
 - <https://ci.adoptium.net/job/build-scripts/job/release-openjdk11-pipeline/36/>
 - <https://ci.adoptium.net/job/build-scripts/job/release-openjdk17-pipeline/51/>
 - <https://ci.adoptium.net/job/build-scripts/job/release-openjdk21-pipeline/19/>
 - Navigate to release pipelines in TRSS
-

RELEASE-OPENJDK11-PIPELINE/36

ADOPTIUM

Test Results Summary Service

By Pipeline

AQAvit Verification

Test Compare

Perf Related

Perf Test

Perf Compare

Tabular View

Dashboard

Third Party Applicatio...

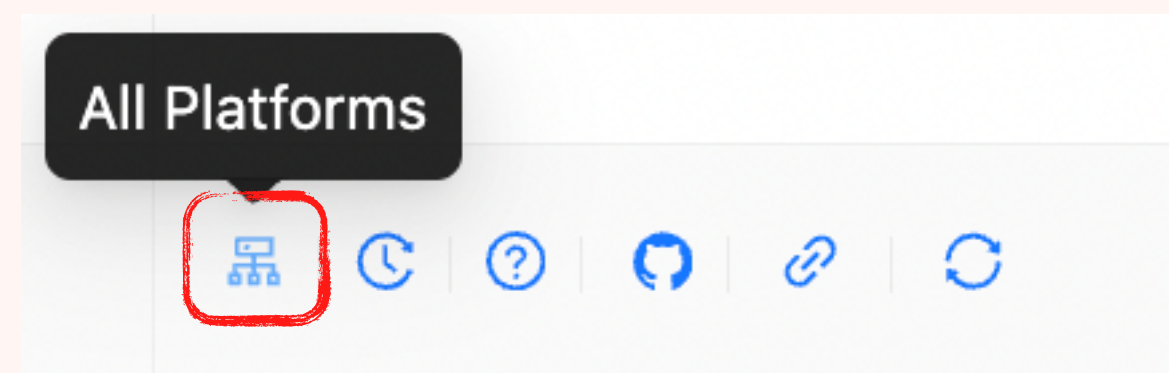
release-openjdk11-pipeline in server <https://ci.adoptium.net/job/build-scripts>

Build	Build Results	Test Results	StartBy	Jenkins Link	Date	Keep Forever
<div><div></div><div>Build #36</div></div>	Failed Builds	<div>Grid</div> <div>Failed: 0 Passed: 0 Disabled: 0 Skipped: 0</div> <div>Total: 0</div>	upstream project "build-scripts/utis/releaseTrigger_jdk11u" build number 2852	release-openjdk11-pipeline #36 Blue Ocean	1/16/2024, 5:42:12 PM	<input type="checkbox"/>
<div><div></div><div>Build #35</div></div>	Failed Builds	<div>Grid</div> <div>Failed: 6 Passed: 314 Disabled: 46 Skipped: 384</div> <div>Total: 750</div>	upstream project "build-scripts/utis/releaseTrigger_jdk11u" build number 2721	release-openjdk11-pipeline #35 Blue Ocean	1/11/2024, 1:40:18 PM	<input type="checkbox"/>
<div><div></div><div>Build #34</div></div>	Failed Builds	<div>Grid</div> <div>Failed: 89 Passed: 2733 Disabled: 508</div> <div>Skipped: 4041 Total: 7371</div>	upstream project "build-scripts/utis/releaseTrigger_jdk11u" build number 2721	release-openjdk11-pipeline #34 Blue Ocean	1/11/2024, 11:12:58 AM	<input type="checkbox"/>
<div><div></div><div>Build #33</div></div>	Failed Builds	<div>Grid</div> <div>Failed: 0 Passed: 0 Disabled: 0 Skipped: 0</div> <div>Total: 0</div>	upstream project "build-scripts/utis/releaseTrigger_jdk11u" build number 2721	release-openjdk11-pipeline #33 Blue Ocean	1/11/2024, 11:12:58 AM	<input type="checkbox"/>

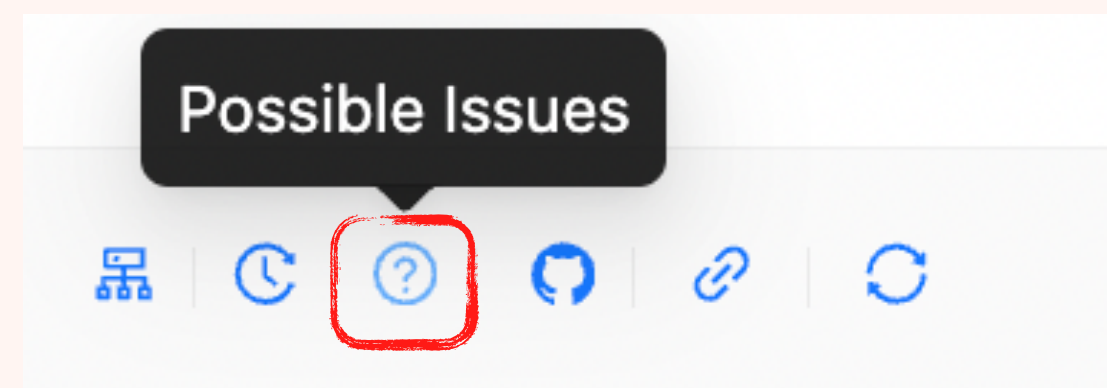
DEMO

ACTION BUTTONS

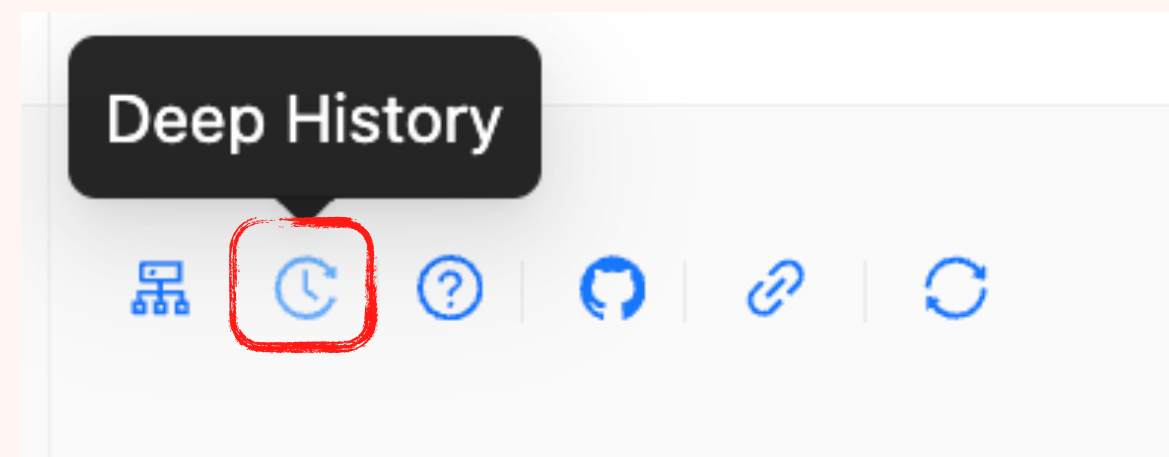
Show a particular test target result across all platforms



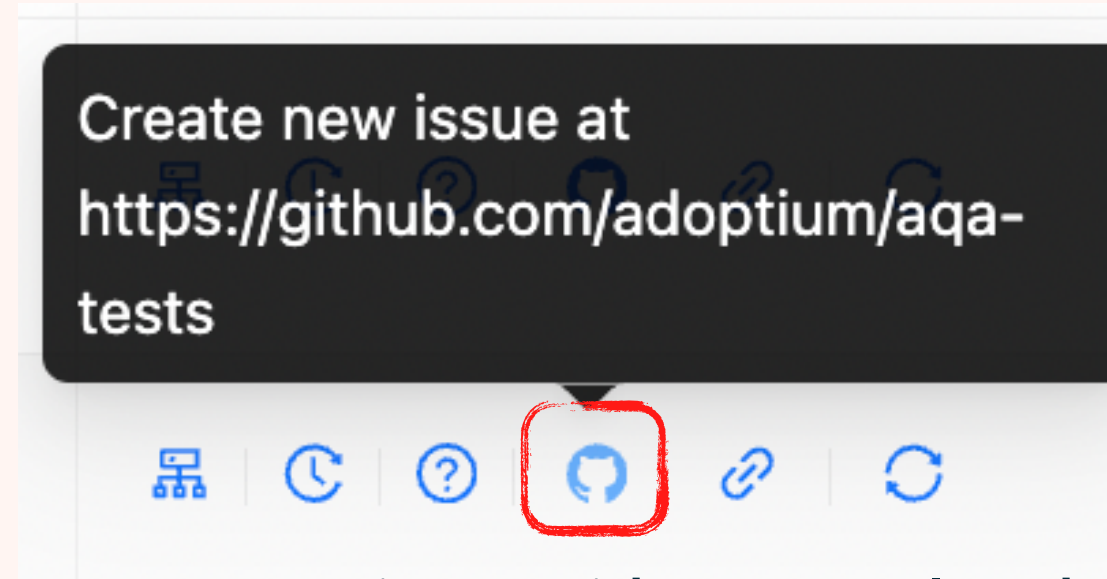
Look to see if there is already an issue opened for a failed test



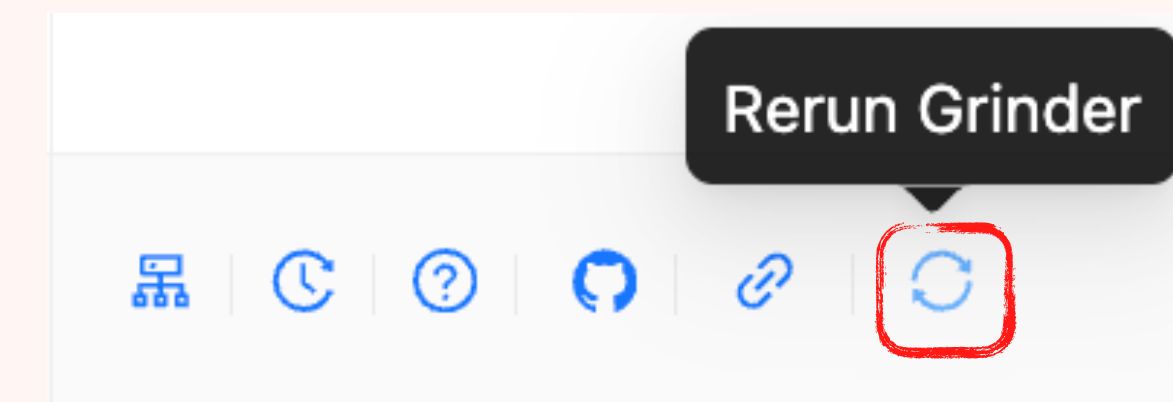
Go directly to the Jenkins job where the test ran



Show the result history of particular test target



Open an issue with prepopulated info related to the failed test



Rerun the failed test in a Jenkins test job named Grinder

RELATED AQA-TESTS TRIAGE ISSUES

Jan Triage:

- <https://github.com/adoptium/aqa-tests/issues/4984> - Temurin JDK8 triage
- <https://github.com/adoptium/aqa-tests/issues/4982> - Temurin JDK11 triage
- <https://github.com/adoptium/aqa-tests/issues/4981> - Temurin JDK17 triage
- <https://github.com/adoptium/aqa-tests/issues/4983> - Temurin JDK21 triage

April Triage:

- <https://github.com/adoptium/aqa-tests/issues/5233> - JDK8 triage
 - <https://github.com/adoptium/aqa-tests/issues/5232> - JDK11 triage
 - <https://github.com/adoptium/aqa-tests/issues/5231> - JDK17 triage
 - <https://github.com/adoptium/aqa-tests/issues/5234> - JDK21 triage
 - <https://github.com/adoptium/aqa-tests/issues/5235> - JDK22 triage
-

POST-RELEASE ACTIONS / FOLLOW-UPS

- **Verify that issues are raised or updated in the most appropriate repository (where the fix for the issue needs to happen).**
 - **Product issues typically in upstream OpenJDK or temurin-build repositories**
 - **Test issues typically in upstream OpenJDK or aqa-tests repositories**
 - **Infra issues typically in adoptium/infrastructure repository**
 - **Download and attach Jenkins test job artifacts to the issue or shared drive and link to from the issue.**
 - **Check if new exclusions are required, create PR to deal with them. ProblemLists and playlist exclusions should reference the root cause issue.**
 - **Gather TAP files to push to binaries repositories (requirement for Adoptium Marketplace)**
-

SUMMARY

- **Terminology and Definitions**
 - **Basic navigation to some views in TRSS**
 - **Different actions to take based on triage findings**
 - **Deep History**
 - **Rerun in Grinder**
 - **Gathering TAP files**
 - **Updating Triage issues**
 - **Post-release actions**
-