



Testrun

Release and roadmap

April 2025

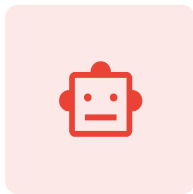


Roadmap themes

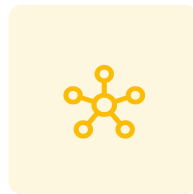
Each roadmap item supports one or more themes.



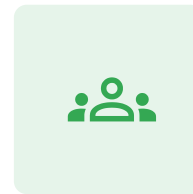
User Experience



Device Testing



Platform Support



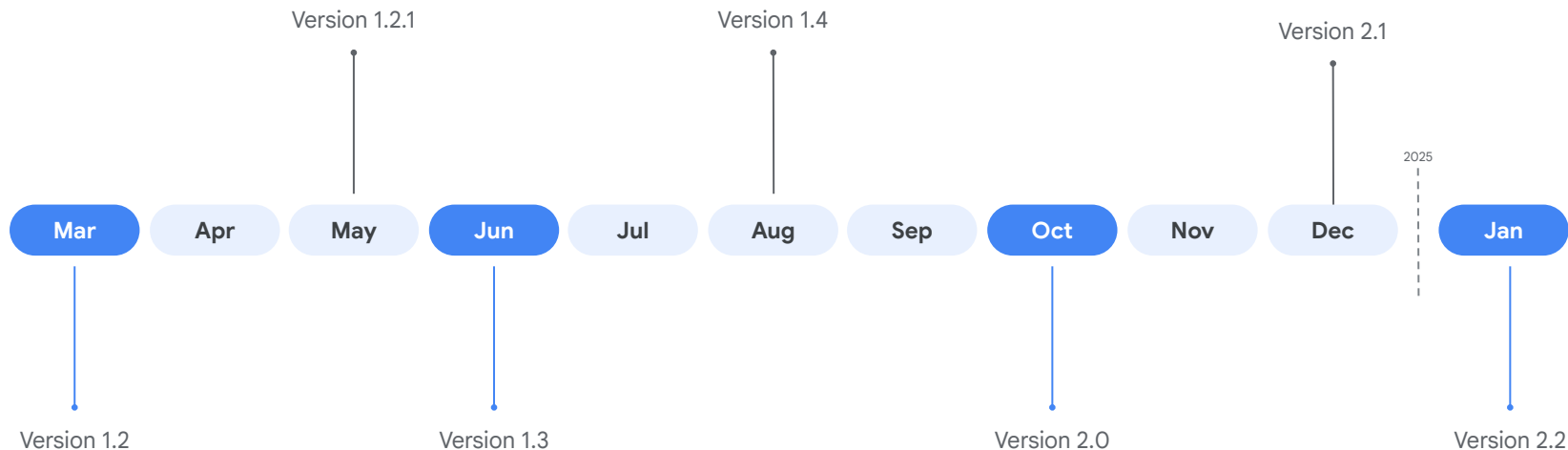
Accessibility

Release schedule

We release feature additions each quarter.



We plan only two quarters at a time to allow user feedback to inform the roadmap.



* Hotfixes aren't planned but we allow for them during resourcing.



Up to now

We are here

Release v2.0

Support provided for pilot device assessments - facilitating an entire new use case.

Release v2.1

A release focussed on bug fixes and testing improvements.

Release v2.2

A complete refresh of the user interface.

The future

We are all done! Testrun will still be maintained but is unlikely to receive new feature updates.

Q1 2024

v1.2 Feature additions and modifications



Steps to resolve

The report will provide suggestions for the user to resolve non-compliant issues.



User Experience



Report improvements

Further detail will be provided to support resolving of device issues and for labs to better verify results.



User Experience

Device Profiles

About the feature

01

Introducing levels of compliance

Two levels of compliance can now be awarded to a device. Compliant (Limited) and Compliant (High).

02

Device requirements correspond to risk

Compliant (High) is required for device types that present the greatest risk whilst low risk devices require Compliant (Limited).

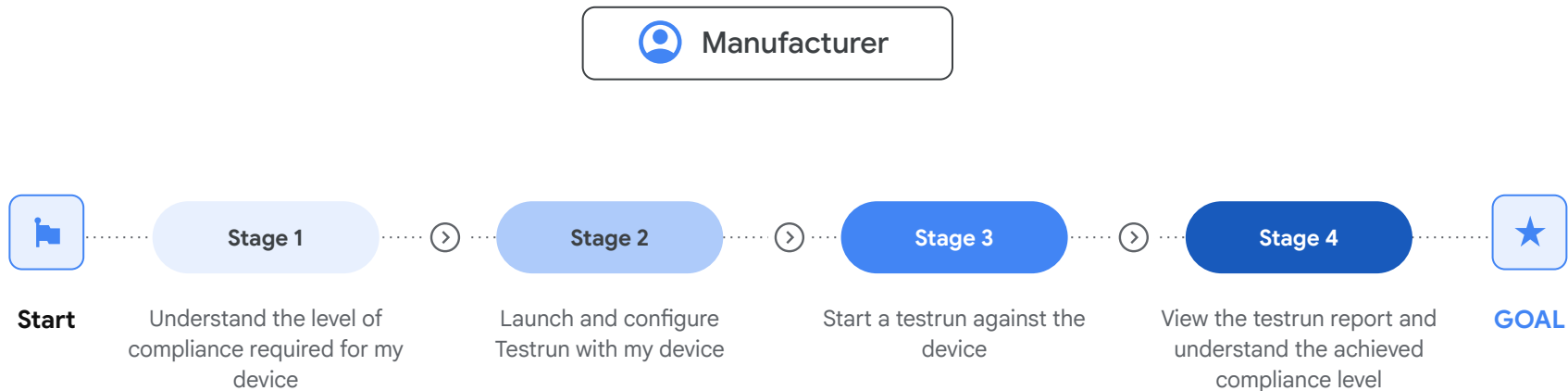
03

Greater insight and management of risk

Fewer requirements for low risk devices, greater trust in higher risk devices.

Device Profiles

“As a manufacturer, I want to test my device against the correct test standards”





**This is a user feedback quote
where I want to **achieve** a
certain task.”**

Michael Cote

ALC - Manufacturer

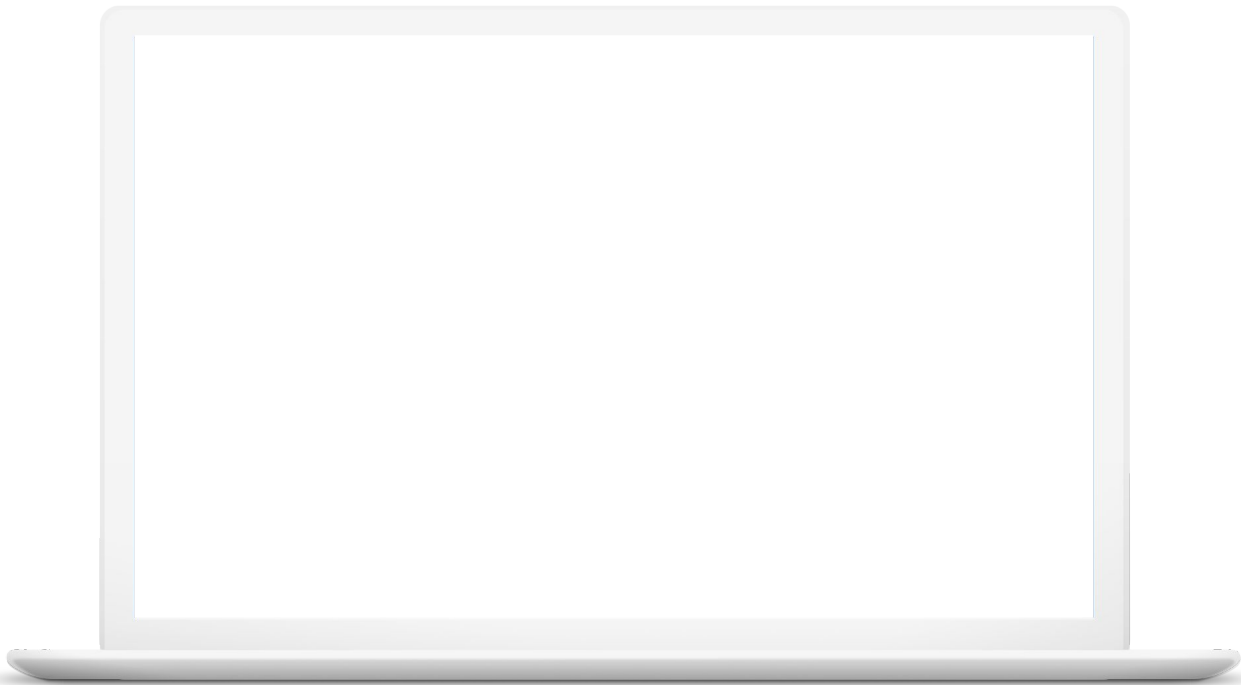
Device Profiles

“As a manufacturer, I want to test different types of devices against different test standards”



Visual showcase

This could be used if we have the designs available



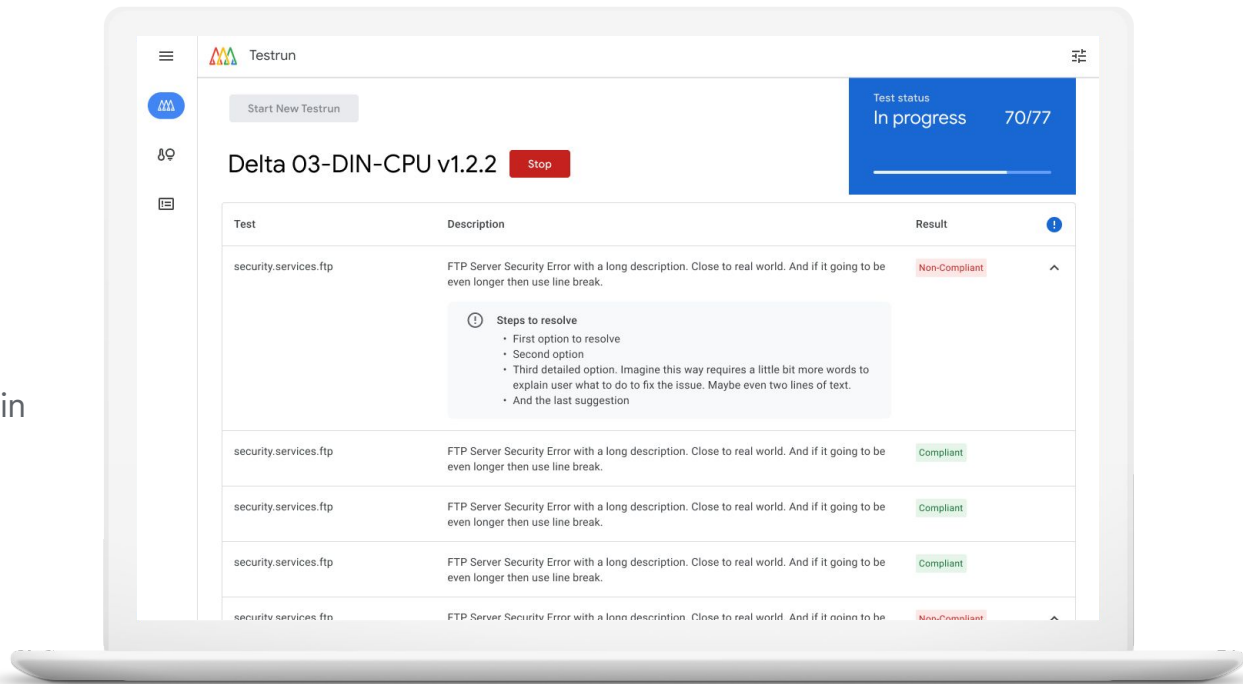
Steps to Resolve

“As a manufacturer, I want to know how I can resolve non-compliant tests so that I can achieve a compliant result”



Design preview

Troubleshooting steps will be available in the user interface and in the updated Testrun report



Report Improvements

01

Tabular view of packet captures

- Where relevant for each test module, a table of packets received will be available in the report for easy viewing

02

Verbose logging

- View detailed information about how the test module was executed

03

Troubleshooting steps

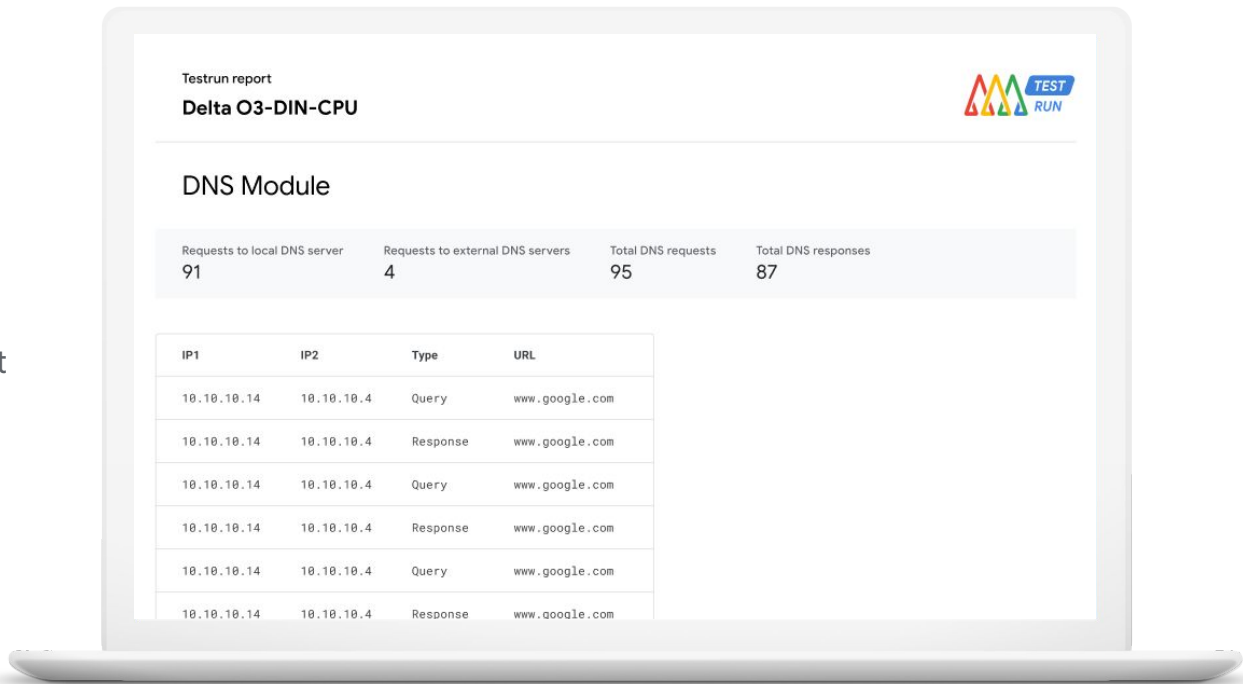
- Find the most common methods of diagnosing and resolving non-compliant issues

Report Improvements



Design preview

The first mockup of our PDF report improvements. Focussed on assisting a manufacturer in resolving test issues.



Q2 2024

v1.3 Feature additions and modifications



Automated Security Review

Manufacturers will provide additional information about their device that supports security review



Device Testing



Manage Local Certificates

Users can manage their lab certificates from within the Testrun user interface



User Experience

Automated Security Review

About the feature

01

Collecting security info via a **questionnaire**

Manufacturers know their devices best, so Testrun will ask for additional information about the device to support security review.

02

Security information corresponds to **risk**

Testrun and the labs will be able to advise on the risk posed when installing the device on Google's network.

03

Increased visibility of **risk, informed** decisions

A more accurate risk assessment will allow the security team to make more appropriate steps to mitigate risk.

Automated Security Review

Design preview



Design preview

The first mockup of the risk assessment form. This provides a familiar interface to provide valuable insights into a device's operation.

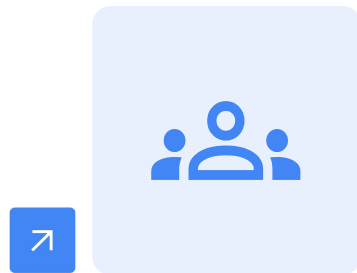
The image shows a laptop screen displaying a web application titled "Risk assessment" by Testrun. The interface is clean and modern, with a sidebar on the left containing navigation icons. The main content area contains a form with the following sections:

- Profile name:** A text input field with the placeholder "Specify risk assessment profile name". Below it, a text input field contains "My Risk Profile". A small note below the field says "Please enter risk assessment profile name".
- Email:** A text input field with the placeholder "Please enter email address". Below it, a checkbox is labeled "Record *****@google.com as the email to be included with my response".
- What type of device do you need reviewed?:** A text input field with the placeholder "Your answer". Below it, a small note says "Tell us the device name and model number." and "Please enter device model name".
- Has this device already been through a criticality assessment with testrun?:** A radio button selection with three options: "Yes" (selected), "No", and "I don't know".



Version 1.4

Focus on UX



v1.4

Feature release in Q3 2024



Real-time notifications

Instantaneous updates to the user interface for new user interaction events.



User Experience



Quicker installation

Shorten and simplify the installation and upgrade process for Testrun.



User Experience



New informational tests

New tests covering TLS 1.3 and MDNS to help the labs better understand your devices.



Device Testing

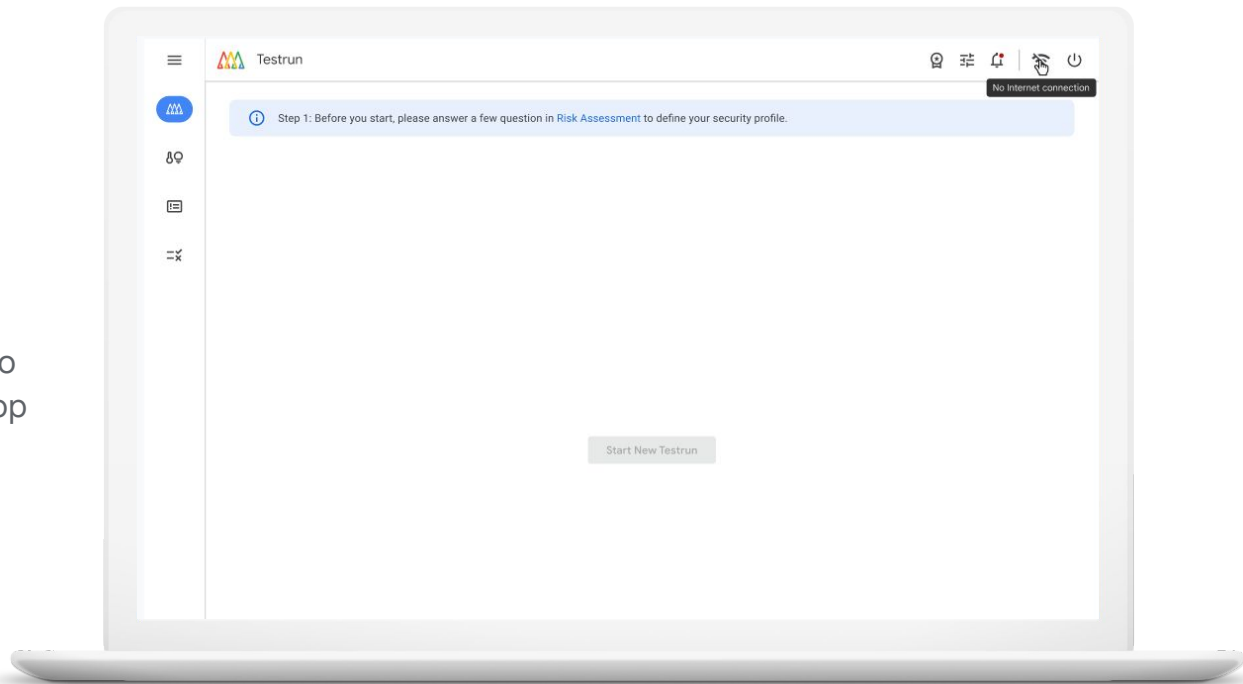
Internet connection notification

Design preview



Design preview

The design shows an icon added to the system navigation bar at the top of the screen.





What's next

We are here

Release v1.4

Addition of new informational tests and MQTT communication between the user interface and API.

Version v2.0

One of the biggest updates so far. Support for pilot device assessments will be added to Testrun.

Version v2.1

A new stepper widget will guide users through their testing journey, from intake to device approval.

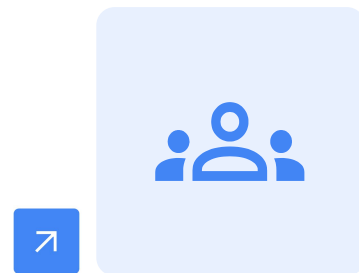
The future

Testrun has completed nearly everything it set out to do. However, let us know if you have any further use cases or suggestions.



Version 2.0

Pilot use-case



v2.0

Major release at the end of Q3 2024

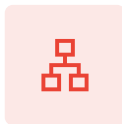


Pilot program support

Provides a technical assessment of pilot devices to support pilot programs.



Device Testing



New device tests

Tests covering DHCP disconnect and TLS 1.0 are now available



Device Testing



Device creation flow

An improved device creation wizard will provide a better experience when creating and editing devices



User Experience

Pilot program support

About the feature

01

Efficiently collect information

Manufacturers know their devices best, so Testrun will allow manufacturers to provide the required information for pilot recommendations.

02

Testrun is fast and accurate

Information collected will be retrieved more quickly. With automation, data is more consistent and accurate.

03

More data means informed decisions

A more complete picture of the device enables greater confidence in the recommendation for pilot devices with regard to security and functionality.

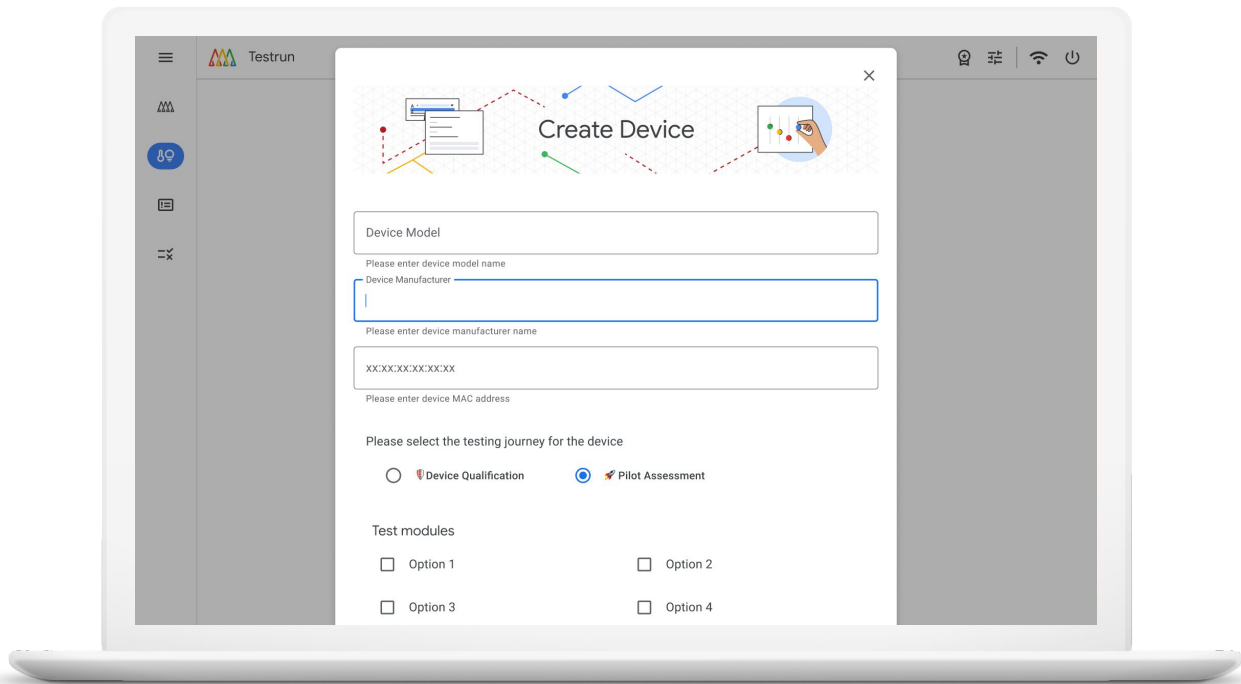
Pilot program support

Design preview



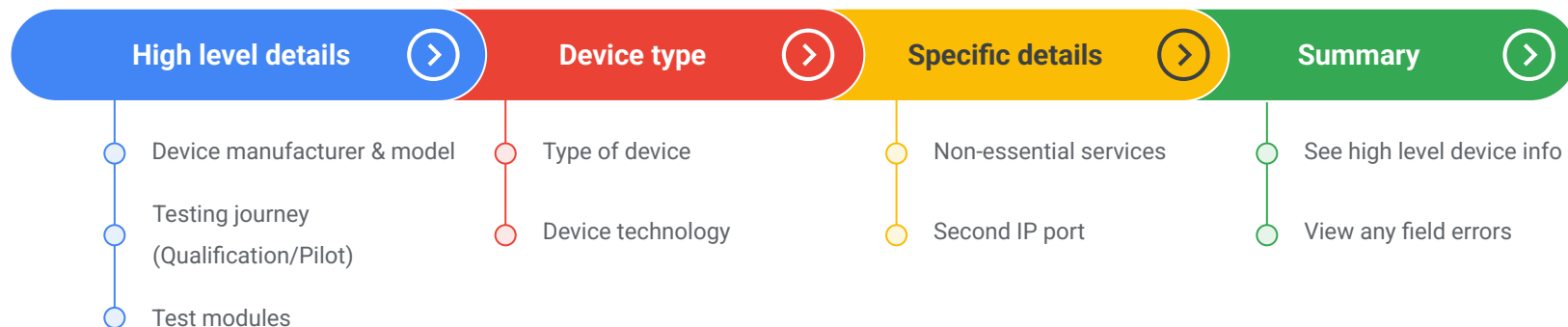
Design preview

The design shows the new device creation process, including new graphics and the ability to choose the testing journey.



Device creation flow

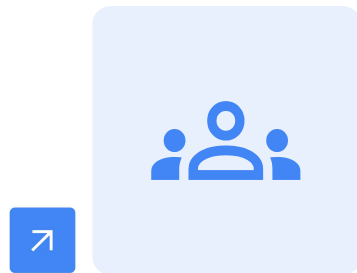
User journey





Version 2.1

Test improvements



v2.1

Major release at the end of Q4 2024

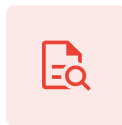


Extended TCP port scan

All TCP ports are now included, providing a more thorough scan of the device's services.



Device Testing



TLS module report

The TLS module now provides a detailed report to help the user and labs understand the security of web services.



Device Testing

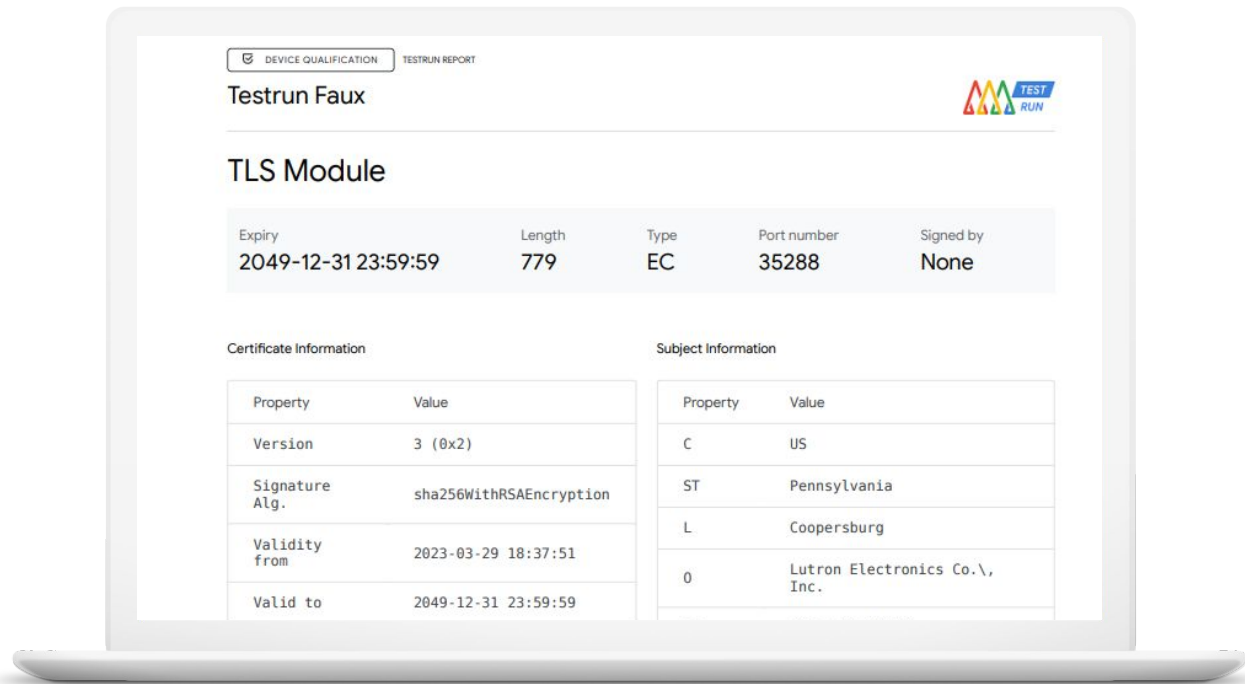
TLS module report

Design preview



Design preview

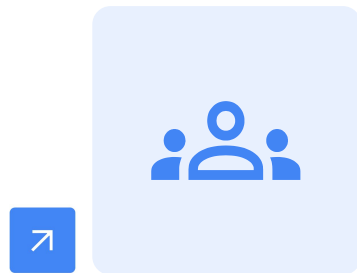
Additional information is now available in the TLS module report to provide a more detailed understanding of TLS services.





Version 2.2

UI refresh



v2.2

Major release at the start of Q1 2025



Material 3 refresh

The UI will receive a complete refresh using Google's Material 3 design framework.



User Experience



Pilot support feedback

In response to user feedback, the pilot testing process will see some minor tweaks.



User Experience

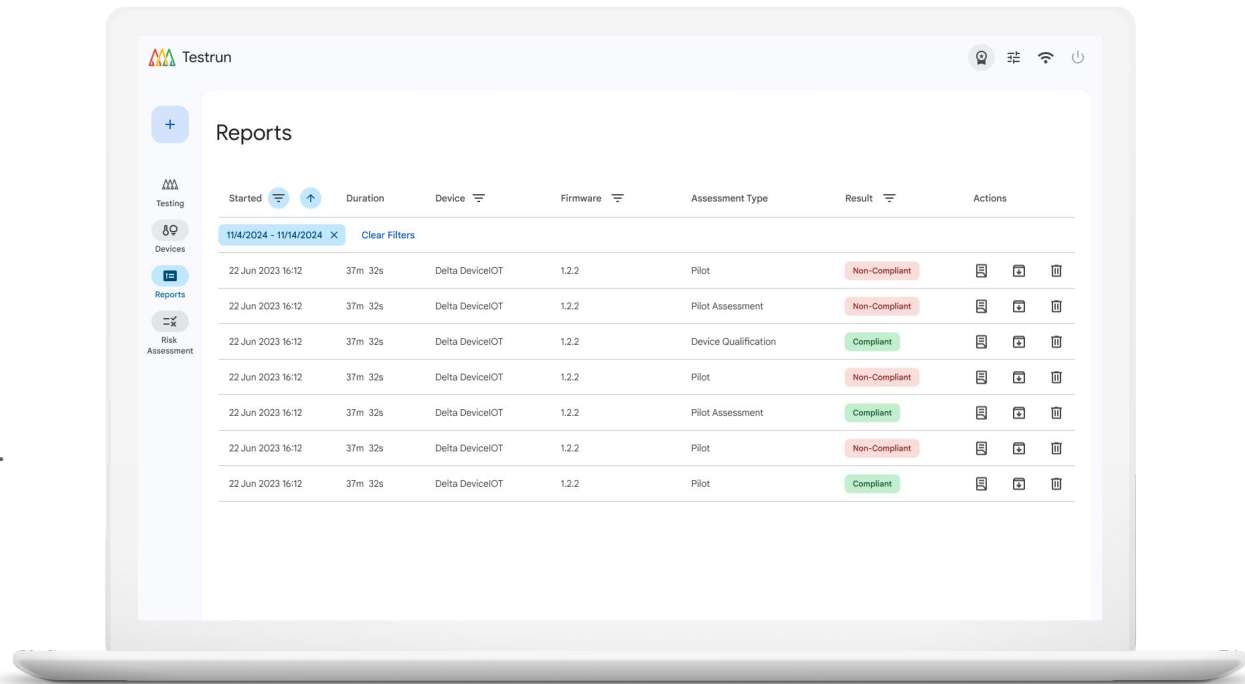
Material 3 refresh

Design preview



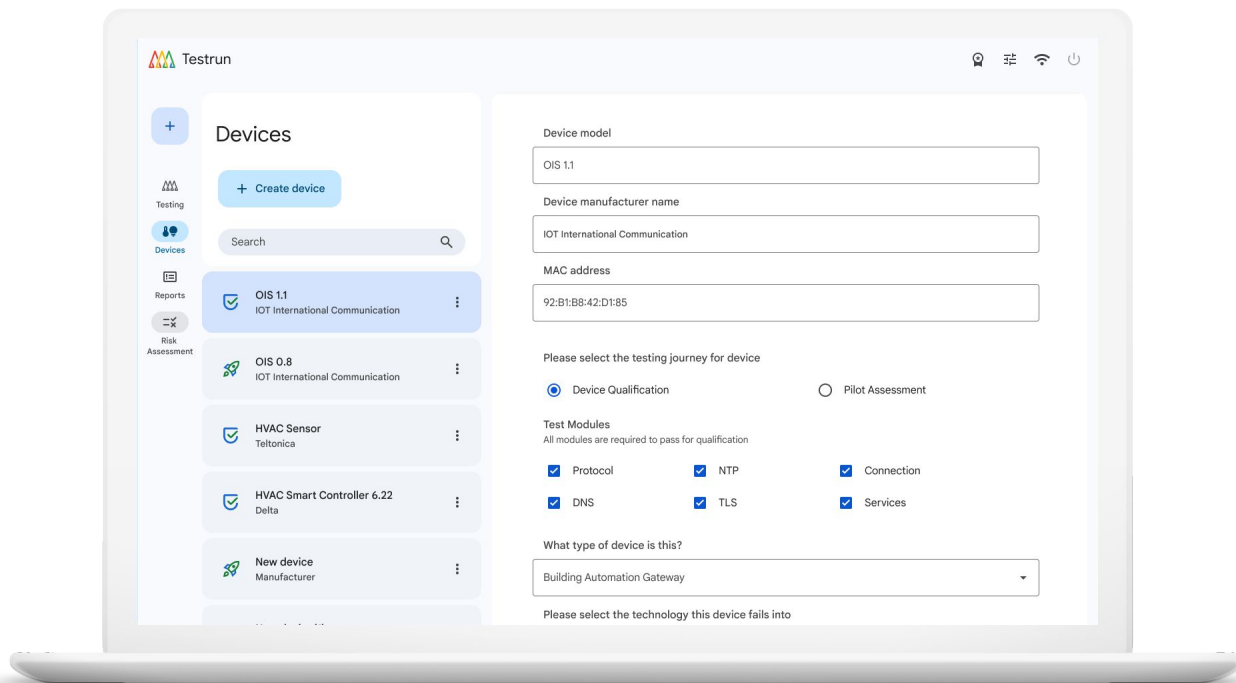
Design preview

Whilst the majority of the functionality will remain the same, each element now uses Material 3.



Material 3 refresh

Design preview



Design preview

The device repository will receive a new look, allowing for easier management of your devices.



What's next

We are here

Version v2.2

The user interface will receive a Google Material 3 refresh to ensure our users have the best experience possible.

The future

We are all done! Testrun will still be maintained but is unlikely to receive new feature updates.



Testrun Roadmap

April 2025

