Ways to build

Matter

With Google's comprehensive suite of tools for Matter development, you're on the fastest path to build Matter products that are compatible with all major ecosystems, and specifically work seamlessly with Google Home.

Get started

Essential resources to get your devices and apps ready for Matter, including timelines and checklists.

FOR DEVICE DEVELOPERS

CSA membership
 (https://csa-iot.org/)

Complete the required Connectivity Standards Alliance pre-work and reserve your unique Vendor ID and Product IDs.

FOR DEVICE DEVELOPERS

Building with Google
 (https://developers.home.google.com/matter/get-started)

An overview of building and integrating a Matter-supported platform in the

Google Home ecosystem.

FOR DEVICE DEVELOPERS

Development checklist

(https://developers.home.google.com/matter/checklist)

Step-by-step instructions and time estimates for creating a Matter integration with Google.

FOR DEVICE DEVELOPERS

Compatibility

(https://developers.home.google.com/matter/supported-devices)

Find out what devices are supported for either new Matter integration or upgrade to Matter.

Why build Matter

Marquee experiences

Develop unique customer experiences

High quality devices

Access to custom tools to test directly

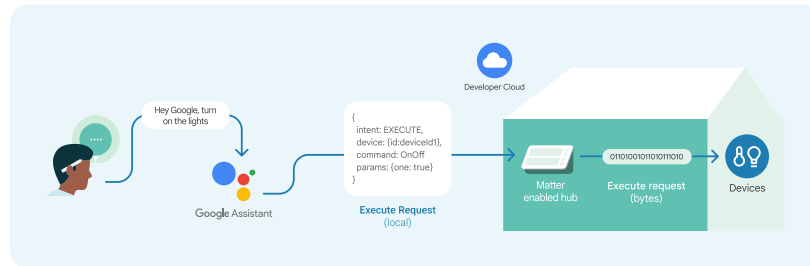## Grow your business

Learn the fastest path to market, with

with Google?

Connect with Matter. Engage with Google.

for your Matter-enabled devices on the Google ecosystem

with Google, resulting in higher-quality devices

insights to improve user satisfaction and trust

MATTER WITH GOOGLE HOME

Seamless experiences

Matter-enabled devices can be controlled everywhere your users interact with Google interact with Google.

Go-to-market support

Early access to Google GTM activities for Matter, including retailer promos, bundles, and more

Works With Google Home

The Works With Google Home badge gives users confidence your devices work great with Google Home

Learn more...

Supported devices

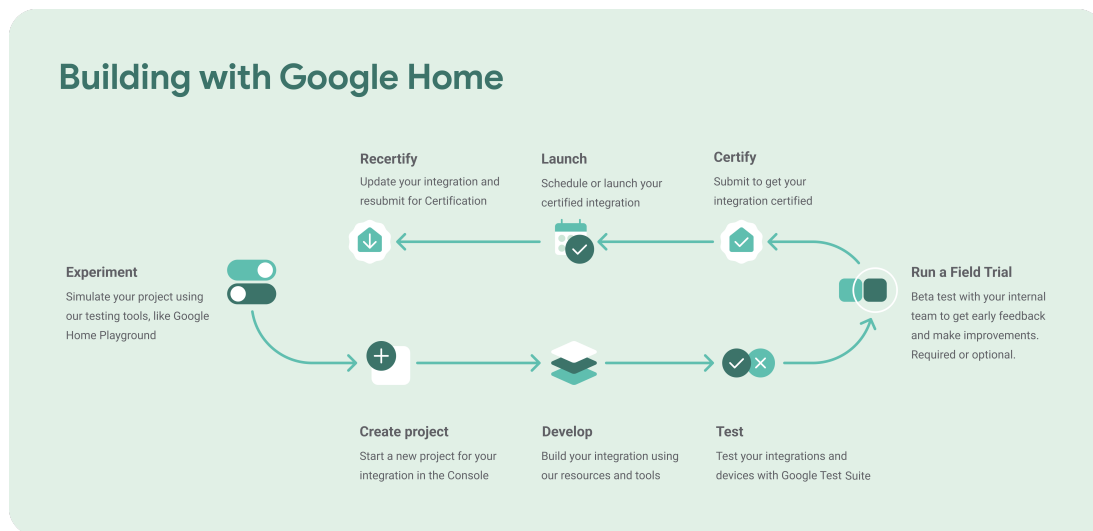Lighting   Climate   Safety & security   Media & technology

Light   Outlet   Switch

Building with Google Home

Recertify
Update your integration and
resubmit for Certification

Launch
Schedule or launch your
certified integration

Certify
Submit to get your
integration certified

Experiment
Simulate your project using
our testing tools, like Google
Home Playground

Run a Field Trial
Beta test with your internal
team to get early feedback
and make improvements.
Required or optional.

Create project
Start a new project for your
integration in the Console

Develop
Build your integration using
our resources and tools

Test
Test your integrations and
devices with Google Test Suite

Developer tools

Build your Matter-supported device

[Google Home Test Suite](https://developers.home.google.com/tools/test-suite)

(https://dev elopers.hom e.google.co m/tools/test -suite)

Test your smart home integration to ensure it meets launch requirements for Google's smart home ecosystem.

[Google Home Extension for VS Code](https://developers.home.google.com/tools/vs-code)

(https://dev elopers.hom e.google.co m/tools/vs- code)

Get access to Google Assistant Simulator, Cloud Logging, and other tools to simplify your smart home development process.

[Matter Virtual Device Development Environment](https://developers.home.google.com/codelabs/matter-device-virtual)

(https://dev elopers.hom e.google.co m/codelabs/ matter- device- virtual)

Set up a Matter development environment and run virtual Matter devices without the need for additional hardware. Use it with the Chef

tool to build virtual examples on the fly.

Home Graph Viewer

(https://developers.home.google.com/tools/home-graph-viewer)

Use this web app to see contextual data stored in Home Graph to help you debug smart home Actions. Service Account Key is not required for access.

Google Home UI Automator

(https://developers.home.google.com/tools/home-ui-automator)

Automate the Google Home app to monitor devices and provide feedback when devices go offline.

Build your Matter-supported app

[Matter Virtual Device Development Environment](https://developers.home.google.com/codelabs/matter-device-virtual)

Set up a Matter development environment and run virtual Matter devices without the need for additional hardware. Use it with the Chef tool to build virtual

[Matter Virtual Device](https://developers.home.google.com/tools/virtual-device)

A lightweight standalone Linux desktop tool that simulates different types of virtual Matter devices and provides a graphical user interface to control and display states.

examples on the fly.

[Google Home Sample app for Matter](https://developers.home.google.com/samples/matter-app)

 (https://dev elopers.hom e.google.co m/samples/ matter-app)

Downloadable code that shows you how to use Matter APIs in your own Android application.

[Google Home Plugin for Android Studio](https://developers.home.google.com/tools/android-studio)

 (https://dev elopers.hom e.google.co m/tools/and roid-studio)

Test your application and Google Home integration directly from your development environment.

Resources

CODELAB

[Debugging Matter integrations](https://developers.home.google.com/codelabs/debugging-matter)

Learn how to use analytics tools to monitor Matter issues at scale, triage errors by accessing error logs and collecting information,

CODELAB

[Build a Matter device](https://developers.home.google.com/codelabs/matter-device)

Learn how to integrate a physical device with Matter, and commission and control it with Google Home.

DOCUMENT
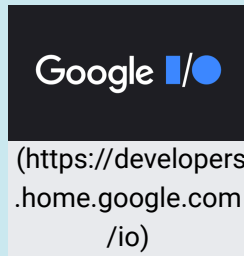
[Matter 101](https://developers.home.google.com/matter/overview)

Learn about the new open standard that lets your device work with any Matter-certified ecosystem using a single protocol.
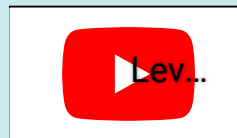
and more.

News & video

(https://developers
.home.google.com
/io)

VIDEO

Google I/O developer keynote

(https://developers
.home.google.com
/io)

Don't miss exciting updates on how we've made it easier to build apps for Matter devices on Android. Plus, a peek into our new automations platform.

VIDEO

Level up your integration with Matter

(https://www.yout
ube.com/watch?
v=FI0V1YiGx3M)

Learn how to build, certify, and launch Matter-enabled devices, and how to improve quality with our custom analytics dashboards.

(https://blog.googl
e/products/google-
nest/google-home-
app-new-features)

BLOG

Matter-enabled devices in Google Home app

(https://blog.googl
e/products/google-
nest/google-home-
app-new-features)

The newly redesigned Google Home app makes it easier for users to manage and control their Matter-enabled

devices. Check
out the update.

Updates

Filter by: New document   Content update   Release notes

Get updates straight to your inbox

Stay up-to-date on the latest news, features, and requirements from
Google Home

Subscribe (https://services.google.com/fb/forms/GoogleSmartHomeSignup/)