



Enabling Next Gen Digital Health Solutions through Google Technologies

Hosted by Health Parliament at
Global Digital Health Summit 2024

Date: 4th October 2024

Venue: Jio World Convention Centre, Mumbai, India



Introduction

The Health Parliament, together with Google Health and Google Cloud, will be running a one-day workshop titled '**Enabling Next Gen Digital Health Solutions through Google Technologies**' at the upcoming Global Digital Health Summit 2024.

This workshop will serve as an opportunity for developers and senior enterprise executives in healthcare to learn about Google's latest advancements and technologies in the digital health space, including **Open Health Stack (OHS)**, **GenAI** use cases, and **Cloud-based solutions** which can be leveraged in building **FHIR-based solutions**. Participants will learn the art of possible and come away with a better understanding of open-source tools and resources to help accelerate development of interoperable digital health solutions with a focus on standards, security, and advanced analytics.

What is Open Health Stack?

Open Health Stack (OHS) is a suite of open source components and developer resources designed to help accelerate development of interoperable digital health solutions with a focus on standards, security, and advanced analytics.

By using OHS components developers can spend less time solving common technical problems and more time building next-gen digital health solutions.

OHS is designed to meet the specific needs of developers and implementers building and deploying **FHIR** -based solutions for healthcare workers.

With OHS developers can:

- Build faster: Build FHIR-native Android apps that are secure, offline-capable, and configurable
- Enhance privacy: Control access to sensitive data, enhancing privacy for patients and healthcare workers
- Unlock insights: Query FHIR Resources to generate insights that can be used to populate dashboards, and enable better care decisions



Open Health Stack is recognized as a Digital Public Good by the Digital Public Goods Alliance and Android FHIR SDK (a component of Open Health Stack) is officially approved as a Digital Square Global Good for Health.

What to expect?

- Get exposure to Google's cutting-edge tech: Explore Open Health Stack (OHS), GenAI applications, and Cloud solutions designed to power your FHIR-based digital health innovations.
- Unlock the art of the possible: Discover how open-source tools and resources can accelerate your development of interoperable, secure, and data-driven digital health solutions.
- Learn from the best: Gain insights directly from Google experts and connect with a community of passionate developers pushing the boundaries of healthcare.

Imagine building solutions that:

- Empower patients or health providers: Provide personalized care and improve health outcomes.
- Streamline operations: Increase efficiency and reduce costs for your organization and its digital transformation efforts.
- Advance the current state of the art: Catalyze the development of innovative digital health solutions.

Workshop Goals

- Share best practices and enhance learnings around Google's open source tools and building blocks (i.e. Open Health Stack and the ABDM wrapper developed in partnership with the National Health Authority) that enable development of interoperable FHIR-based digital health solutions and accelerate ABDM compliance. *[Note: These are not training sessions but rather topics aimed at awareness and knowledge-building around tools that can be leveraged by developers in the health domain]*
- Showcase Google's recent Gen AI use cases in health and surface the health tech ecosystem's needs and challenges.
- Present on Google Cloud solutions in healthcare that can help developers build strong digital foundations and transition to FHIR

Schedule

9:30 AM – 11:00 AM

Part 1: Learning about Google's Open Health Stack (OHS) to build next gen digital health solutions.

- Latest updates on OHS components/features that help developers build FHIR-native Android apps that are secure, offline-capable, and configurable and enable insights and analytics from FHIR data

11:00 AM – 11:15 AM

Tea Break

11:15 AM – 12:00 PM

Part 2: Ecosystem Enablement through the ABDM Wrapper by NHA in partnership with Google

- Overview and case studies of the ABDM wrapper, an open-source toolkit developed by the NHA in partnership with Google, aimed at accelerating ABDM compliance and digital health transformation efforts

12:00 PM – 1:00 PM

Part 3: Showcasing and dialogue around Gen AI use cases in Health

- Presenting Google's Gen AI capabilities and discussion on use cases of relevance in the India health ecosystem

1:00 PM – 2:00PM

Lunch

2:00 PM – 3:00 PM

Part 4a: Cloud solutions for developers in healthcare

- Healthcare Structured Data: How to build interoperable data solutions with FHIR
- Platform to create Longitudinal Patient / Health Records (LPR / LHR)
- Healthcare Unstructured Data: How to extract medical information from long medical notes
- How to build conversational and search powered Health solutions using Vertex AI platform

3:00PM – 4:00PM

Part 4b: Cloud solutions for enterprise customers