DIVOC
by eGov Foundation

120 Countries recognised globally

5 Countries deployed

Designed for large-scale vaccination certification programmes

Digital Public Goods Alliance

World Health Organization

Acknowledged

Digital Documentation of COVID-19 Certificates (DDCC)

EU-compliant

eGov. FOUNDATION

Introduction to eGov

eGov Foundation started its journey in 2003 towards building ease of access and ease of living for every citizen. Over the last 19 years, we have worked across India to spur new solutions and enable local capacity to solve problems. We have also enabled 5 countries to generate over 2 billion COVID-19 vaccination certificates.

Catalyse achievement of SDGs through the co-creation of digital public goods

Through its 4 missions - Urban, Health, Public Finance Management, and Sanitation - eGov contributes towards the achievement of several Sustainable Developments Goals (SDGs) such as "Good Health & Well-Being," "Clean Water & Sanitation," "Industry, Innovation & Infrastructure," Sustainable Cities & Communities," "Peace, Justice & Strong Institutions," and "Partnerships for the Goals," in India and globally.

To create impact at scale, eGov works with an ecosystem of stakeholders including governments, administrators, businesses, academia, research institutions, and civil society organisations. Such collaboration ensures that the Digital Public Goods (DPGs) we build across the 4 missions - Digital Infrastructure for Governance, Impact & Transformation (DIGIT), Digital Infrastructure for Verifiable Open Credentialing (DIVOC), Digital Infrastructure for Sustainable and Healthy Habitats (DISHHA), and the India Fiscal Information Exchange Platform (iFIX) - are used effectively to drive outcomes.

Reimagining technology for public health

The health mission at eGoV aims to expand capabilities in public health. The focus is on two aspects: the first is to help countries reduce "diseases of poverty." The World Health Organisation (WHO) estimates that such diseases "account for 45% of the disease burden in the poorest countries." We want to help countries reduce this by creating a platform for disease surveillance, and building digital tools to enable and manage health campaigns as well as mass drug administration.

The second is to improve trust in health transactions through public health credentialing. We are already doing this via DIVOC, which has the capability to issue 25 million tamper-proof certificates per day or approximately a million certificates per hour. Going forward, we plan to expand health credentialing as a service. Our underlying architecture makes it easily extensible to tackle different use cases.
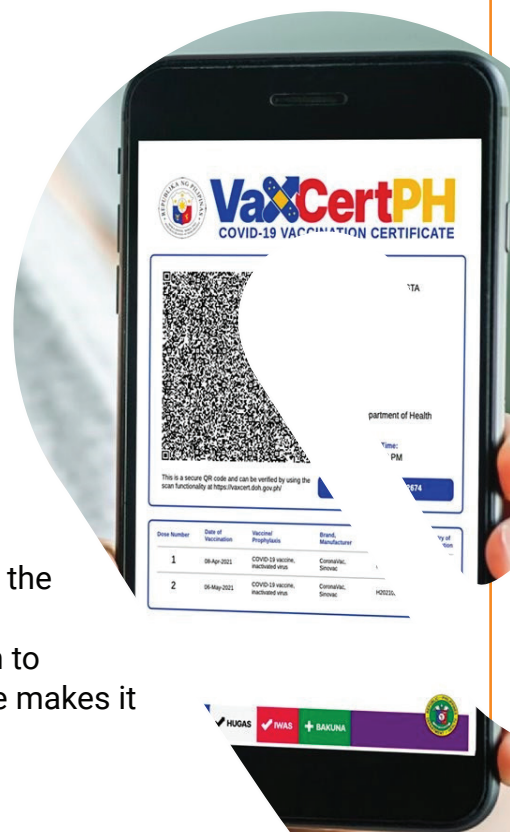
What is DIVOC

DIVOC is an open-source digital infrastructure that enables countries to digitally orchestrate large-scale vaccination programmes efficiently.

DIVOC has adopted international specifications and works closely with international authorities like the World Health Organization (WHO). Leveraging the latest technology to provide scale and performance, the platform can accommodate various events occurring during the vaccine administration and certification lifecycle for all actors - health workers, citizens, and administering organisations.

DIVOC has empowered billions of lives and livelihoods. The journey so far

How its started

The COVID-19 pandemic brought the world to a halt in 2020 and the only way to rein in the raging pandemic was to vaccinate citizens as quickly as possible. While vaccines restored hope of normalcy, unlocking global barriers required creating trust in vaccination records. To ensure a successful drive and enable the movement of people across geographies, it was necessary to track the vaccination status of citizens. This called for a system that could roll out secure and verifiable certificates to people at speed and at scale with globally accepted standards to enable mutual acceptance between countries.

DIVOC was built by eGov to enable countries to issue and distribute tamper-proof COVID-19 vaccination and test result certificates. The digitally signed QR code-based certificates were designed for verifications in low-to-no internet environments. DIVOC is offered under an MIT open-source license. Any country can freely use DIVOC, manage the platform within its control, and roll it out to its citizens. The platform is also designed to manage multiple vaccination programmes concurrently.

Where we are today

Accepted in 120 countries, every fifth person in the world today carries a certificate issued via DIVOC. DIVOC's vaccination certificate module went live in India in January 2021 and was subsequently adopted by four more countries – Sri Lanka, the Philippines, Jamaica, and Indonesia. As of July 2022, over 2 billion vaccination certificates have been issued via DIVOC across 5 countries. The certificates are WHO Digital Documentation of COVID-19 Certificates (DDCC) as well as EU-compliant.

Over 2 billion COVID-19 vaccination certificates issued across 5 nations

India	Indonesia	Philippines	Sri Lanka	Jamaica
1,980,967,415	1,511,253	13,873,594	585,060	1,868,871

Road ahead

Due to its flexible features and easy integration, many countries in the world have embraced DIVOC. The platform can be easily adapted to suit the unique requirements of a country and be deployed to manage large-scale vaccination programmes, beyond COVID -19.

Looking ahead, we believe that DIVOC is best placed to enable countries to build their own universal health registries and certification systems. It will also provide them with analytics around health systems, maintain a single source of truth through electronic registries, offer open APIs to their ecosystem, and most importantly, empower their citizens with digitally verifiable and portable certificates.

Message from partner countries

"DIVOC has helped us make a transformational impact in our Covid-19 vaccination programme by enabling us to issue natively digital certificates with globaly recognised standards. DIVOC is agile, elastic in nature and is highly responsive with easy configuration. As early adopters, we are keen to see future evolution of DIVOC as a verifiable credential stack addressing more and more health use cases."

Dasun Hegoda
Director & Software Architect at ICTA
Sri Lanka

Peter Melhado
Member of private sector organisation
Jamaica

"DIVOC played a seminal role in our digital vaccination card rollout. DIVOC team's subject matter expertise, their deep knowledge of the environment including emerging standards globally and their participation on key committees working on global protocols was assuring. Due to the platform's flexibility & interoperability and more importantly, the team's continuous support, we were able to deploy the platform with localisation in just 10 weeks - a commendable feat amidst the raging pandemic. We are now also exploring deployment of DIVOC for other vaccination programmes in the country. We look forward to continuing our association past this particular pandemic and are confident that DIVOC will further enhance its platform to include even more optionality for nation states such as Jamaica."

DIVOC is a testament to Digital Public Goods and open-source platforms in creating impact at speed and at scale in the public health domain.

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