



EU Digital COVID Certificate

29 November 2021

What is the EU Digital COVID Certificate?



Digital proof that a person has either

- been vaccinated against COVID-19
- received a negative test result
- recovered from COVID-19

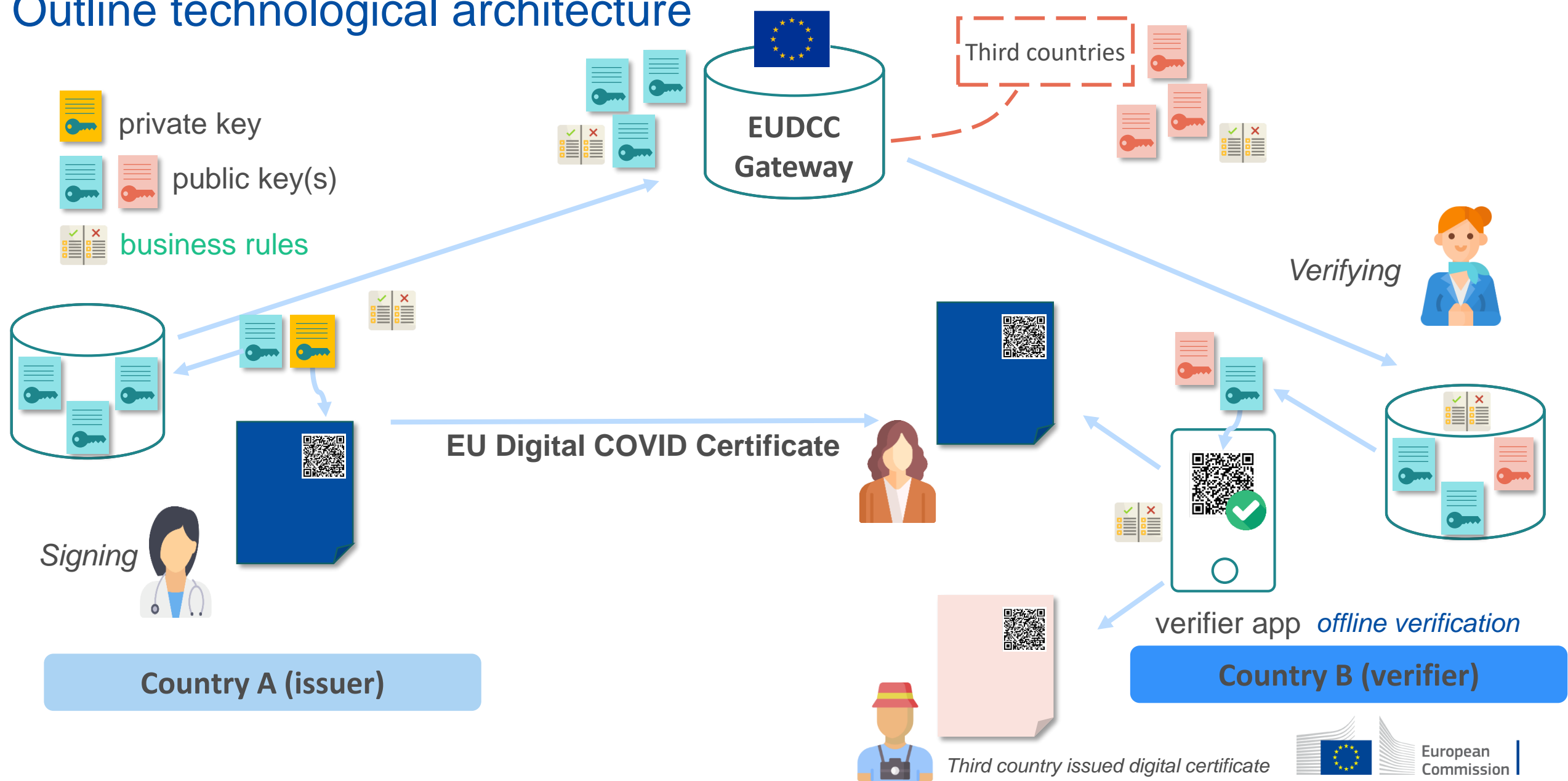
What does it entail?

- Data is encoded, compressed and digitally signed in interoperable barcode
- Paper or digital format, easy to read
- Free of charge
- Bound to an EU citizen: 1 certificate, 1 holder
- Europe-wide validity
- Signature validation key exchange is done via an EU Gateway

Regulation outline

- **Legal basis:** Art 21(2) TFEU – free movement of EU citizens within the EU
- **Objective:** to facilitate safe free movement during the pandemic by establishing a common framework – the EU Digital COVID Certificate – for the **issuance, verification and acceptance of interoperable:**
 - vaccination certificates
 - test certificates
 - certificates of recovery
- May also be used by Member States for national purposes – if legal basis is provided for in national law: **20 Member States doing so**

Outline technological architecture



How are DCCs used?

51

Countries
connected to the
EU DCC Gateway

30

EU27+EEA



21

Third countries



27

In the pipeline

Countries from across 5 continents whose applications are still under assessment

20

Member States using EU DCC for domestic purposes

666m+

Issued certificates

474m

vaccination certificates



74m

PCR test certificates



107m

rapid antigen test certificates



11m

recovery certificates



Components needed for interoperability

All documents are available from: https://ec.europa.eu/health/ehealth/covid-19_en

Datasets and value sets

[eHealth Network guidelines on verifiable vaccination certificates - basic interoperability elements](#)

[Guidelines on COVID-19 citizen recovery interoperable certificates - minimum dataset](#)

[JSON Schema for EU Digital COVID Certificates](#)

[A common list of COVID-19 rapid antigen tests, and a common standardised set of data to be included in COVID-19 test result certificates](#)

Architecture

[Trust framework](#)

[Reference implementations for issuance, storage and verification apps](#)

Other

[Template for paper version for EU DCCs](#)

Technical specifications

[Volume 1: formats and trust management](#)

[Volume 2: EU Digital COVID Certificate Gateway](#)

[Volume 3: 2D Barcode Specifications](#)

[Volume 4: EU Digital COVID Certificate Applications](#)

[Volume 5: Public Key Certificate Governance](#)

[EU DCC Validation Rules](#)

[Validation of EU Digital COVID Certificates in the context of air transport](#)

[Guidelines on the use of Digital Covid Certificates in traveller and online booking scenarios](#)

Third countries

Third country DCC Equivalence Decision [checklist](#)

Annex 1: [Evaluation checklist](#)

Annex 2: [Technical procedure](#)

Annex 3: [Application form](#)

The equivalence decision process

Initiation

First contact, pre-checks of readiness, technical clarification



Self-assessment

Completion by applicant country of Evaluation Checklist

Technical check

Assessment of Evaluation Checklist Formal submission of application for Equivalence Decision Technical screening of third country notification of results of technical compliance tests to third country



Equivalence Decision

On positive opinion from technical team, preparation of Equivalence Decision (ED) Vote in Member State Committee following positive vote, adoption and publication of Implementing Act and notification of ED



Onboarding

Applicant country onboarding with final tests Go Live and exchange of keys



Thank you



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