



Projekt

COVID Zertifikat





Master Presentation Technology & integration



Netiquette for this meeting

Identifizieren Sie sich bei Fragen

- Sprechende schalten Mikrofon ein
- Nichtsprechende schalten
 Videokamera und Mikrofon aus

Sprachen

Deutsch / Französisch / Englisch

Fragen:

 Bitte die Hand heben und Frage formulieren

Identifiez-vous en cas de questions

- Les haut-parleurs allument le microphone
- Les non-parleurs éteignent la caméra vidéo et le microphone

Langues

Allemand / Français / Anglais

Questions:

 Veuillez lever la main et formuler une question lorsque vous y êtes invité



Introduction COVID certificate



What is a COVID certificate?

- The COVID certificate is a PDF document containing a **tamper-proof QRCode** and showing the information included in the QRCode
- 3 types of certificate can be delivered
 - Vaccination
 - Test (for negative test result)
 - Recovery (in case of proven previous infection)

In what form is the COVID certificate delivered and used?

- The tamper-proof element of the COVID certificate is the QRcode.
- This can be carried either as a PDF, which can be printed on paper, or in an app on the cell phone and thus presented. All forms in which the QR is transported are equivalents

Trustworthiness of COVID certificate and verification?

- The certificate must be issued by identified, authorized users (natural persons) in accordance with federal regulations
- Cantonal authorities and FOPH (BAG) determine the authorized users
- For verification of certificate, a valid identity proof must be presented

A certificate may only be delivered upon request The COVID certificate is 100% compatible with the EU digital green pass





COVID certificate properties



	A COVID certificate can be obtained in three different situations		
	Inocculated Vaccination certificate	Cured Recovery certificate	Tested Test certificate
Description	Issued if a person has been completely vaccinated	Issued if a person has been infected with Sars-CoV-2 and has been cured	Issued if a person has been tested negative
Criteria	These will be specified by Ordinance of the Federal Council		
Duration of validity	6 Months + 14 days after last vaccine	6 Months + 10 days after positive test	PCR: 72h after sample taken Antigen: Not yet clear if acceptable (EU)
CAVE	All business rules are subject to change		



Use case for holders: getting a COVID certificate

Draft

As citizen, I want to obtain a COVID certificate



Vaccination certificate

Issued at point of vaccination

Issued after previous vaccination

Issued by authorized user on the basis of valid documentation

Cured

Recovery certificate

Issued after previous proven illness

Issued by authorized user on the basis of valid documentation

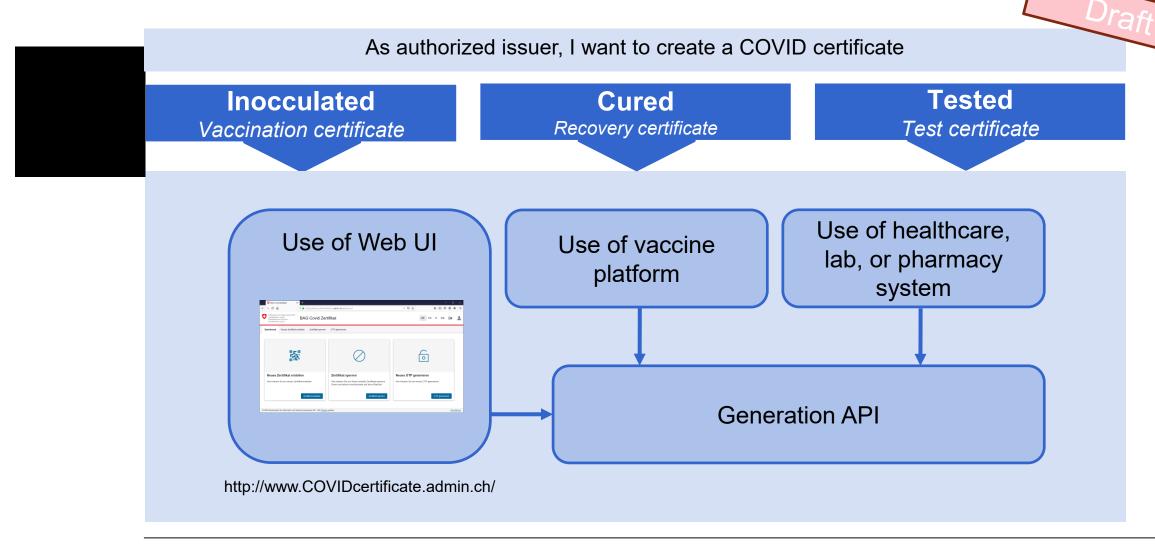
Tested

Test certificate

Issued through proven channels triggered by laboratory test



Use case for issuers: creating a COVID certificate





Use case for holders: holding a COVID certificate

Draft

As citizen, I want to hold my COVID certificate in order to present it for verification if needed



Vaccination certificate

Cured

Recovery certificate

Tested

Test certificate

Scan in «COVID Cert» app

COVID-ZERTIFIKAT

COVID-ZERTIFIKAT

Studer Martina

IACL TOMA

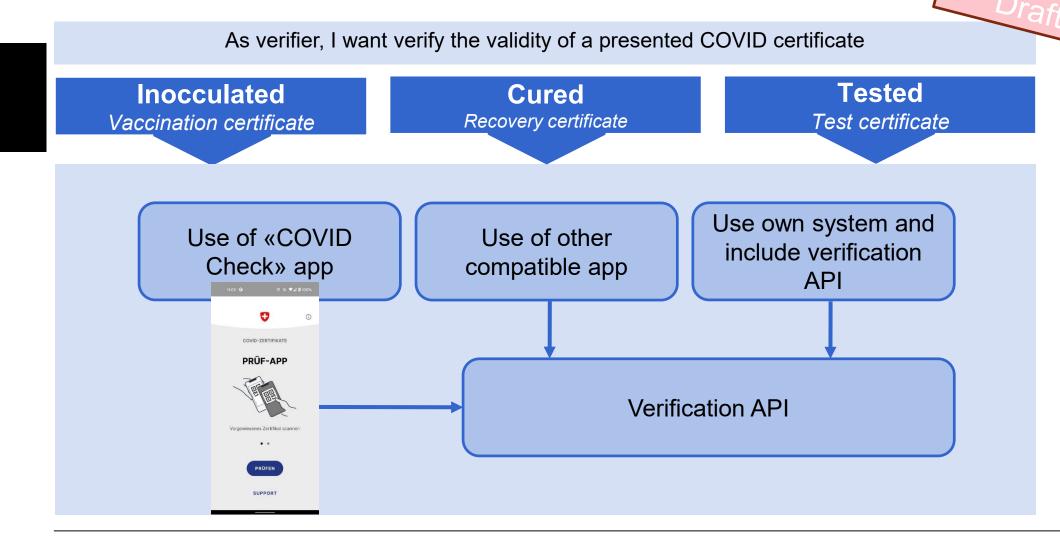
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Print/store it as PDF





Use case for verifiers: verifying a COVID certificate





How to onboard the authorized users?



Cantons determines the authorized super-users and deliver this information to FOITT (BIT).

Onboarding is realized and supported by FOITT

Authorized super-users are onboarded by FOITT.

They can use CHLogin or HIN electronic identity. HIN identities have to be authorized in EIAM.

Authorized super-users can delegate their rights to authorized users

Canton

Authorized superuser

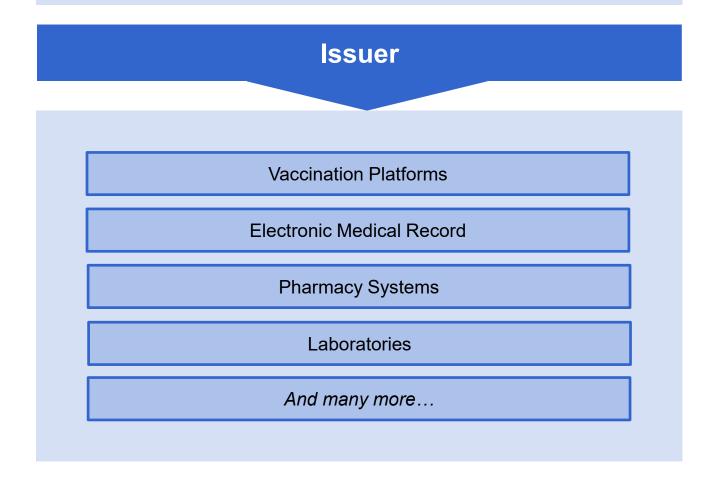
Authorized user



Systems to make use of certificate



Primary Systems to integrate Certificate





COVID certificate services



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Citizen is vaccined, negatively tested or has recovered

Service

Certificate Generation



COVID certificate contains wrong information

Service

Certificate Revocation



COVID certificate has to be verified

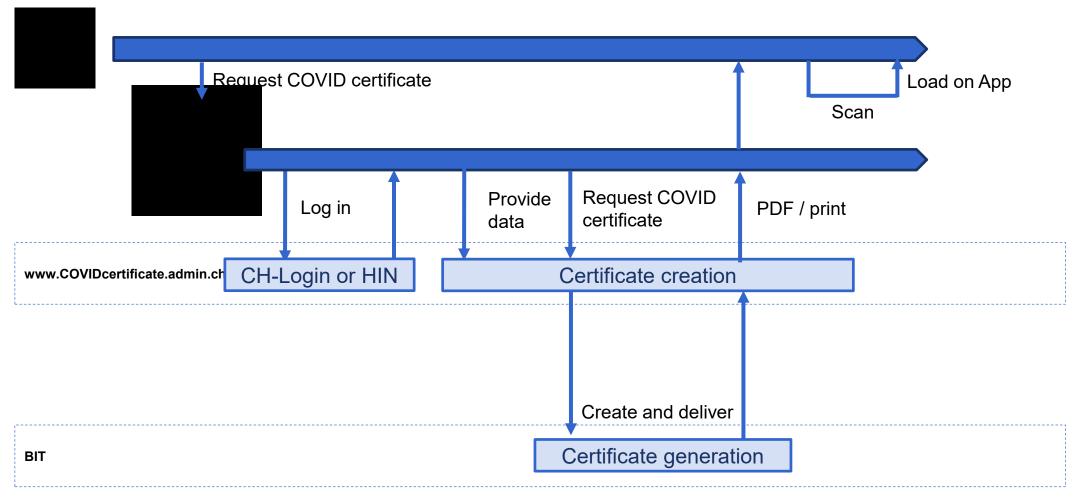
Service

Certificate Verification



Howto create a COVID certificate? Use case Web-UI

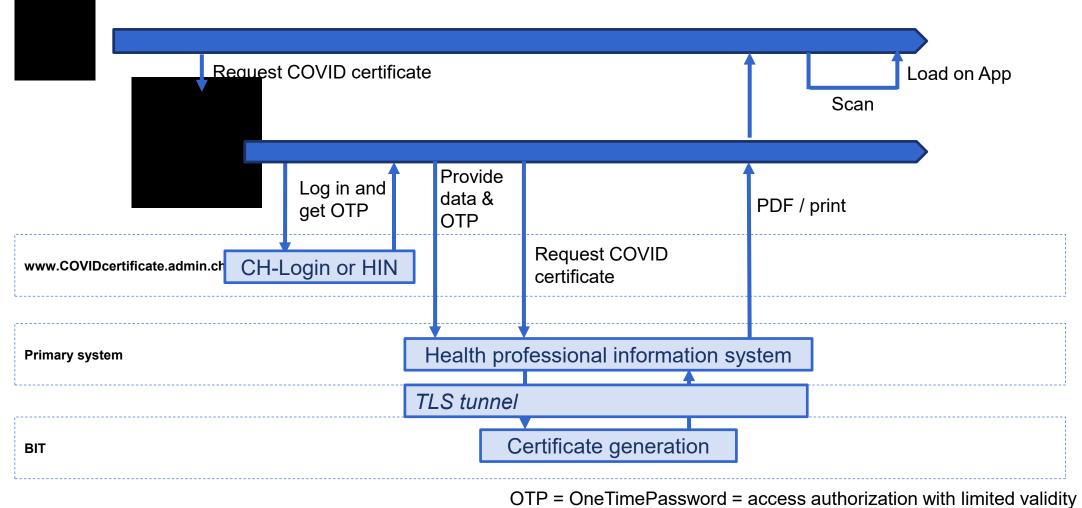






Howto create a COVID certificate? Use case primary system





Demo

Questions (max 5)



Your way to get the generation and revocation API



Registration

- By mail to <u>Covid-Zertifikat@bag.admin.ch</u>
- Use this also for other inquiries

Development

- Access all necessary information at Github: https://github.com/admin-ch
- You will receive a TLS test certificate of type «Swiss Gov Regular CA 01» from FOITT (BIT)
- With this you can acces the test API

Contract

Sign an agreement with FOITT. This is a condition for receiving the production TLS certificate

Cost

There is no cost for using the API

Batch Processing

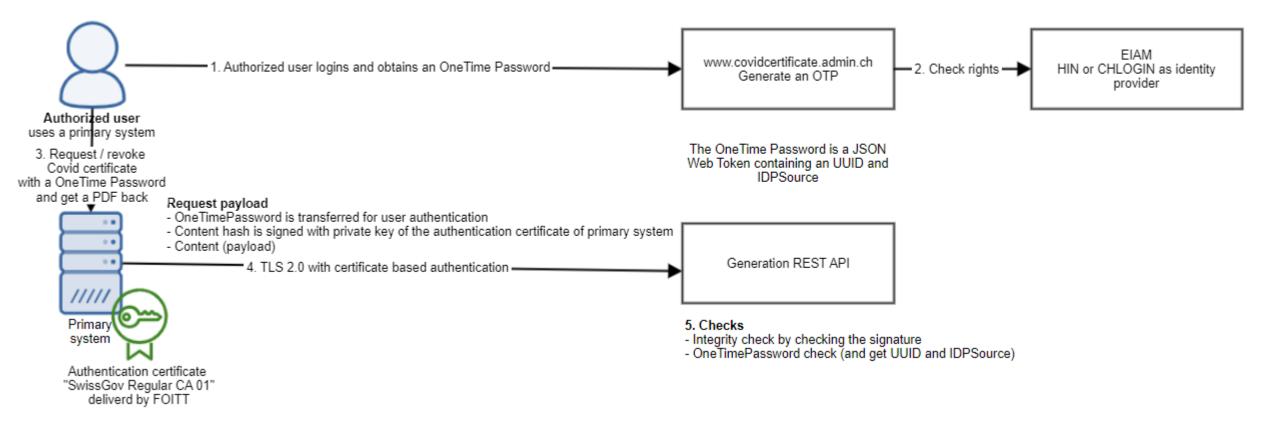
- This is not at the moment prohibited
- Do not send more than 2 requests per second

<u>Link</u>



Howto use the generation and revocation API?





<u>Link</u>



Specific challenges of cantons



Onboarding of users

- Define authorized superusers who will be onboarded
- Authorized superusers can delegate authority to create certificates to authorized users
- Process needs to be established in canton

Integrate Services

- Integrate relevant service into systems
- Collaborate with system providers to create solutions

Provide for vaccinated & cured

- Develop solution for generating certificates for those previously inocculated or cured
- Collect and verify certificate requests from people vaccinated or cured
- Deliver certificates to requesting person



List of responsibilities (selection only)



Bund

- Provides 2 services (Web UI and API) that will create COVID certificates
- Provides 2 services (Web UI and API) that will revoke COVID certificates
- Provides the service that will verify COVID certificates
- Provide two apps: holder app and verifier app
- Onboard authorized users
- Print certificates via BBL (under development)

Canton

- Determine authorized users who are allowed to generate and deliver a COVID certificate
- Develop solution for generating certificates for those previously inocculated or cured

Issuers Verifiers

- Adapt their systems in collaboration with system providers to integrate services
- Adapt their processes to integrate creation or verification of certificates
- Issue certificates or verify certificates

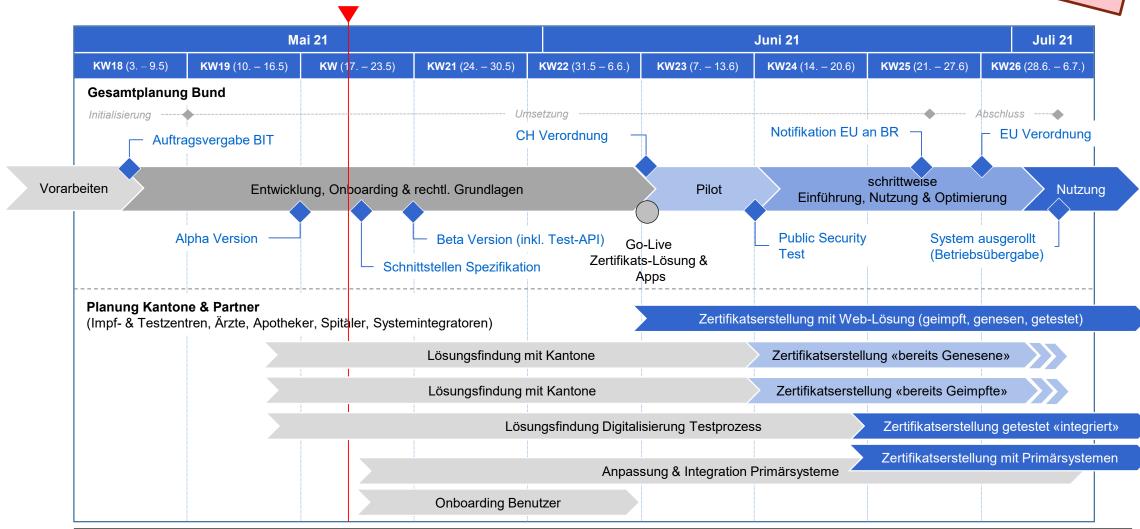
Primary Systems

- Adapt their systems to include certficate generation or revocation
- Collaborate with their customers to help them include certificate generation or revocation in their processes



Roadmap «Covid Zertifikat»





The road from here...

Weekly presentations & discussions Thursdays, 10:00 – 11:30 27.05 until 24.06.

Link on Github

Will also be mailed to the list of registered parties

Write to: Covid-Zertifikat@bag.admin.ch