



Technical Information

SwissCovid app: Using of Amazon CloudFront

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How does the SwissCovid system work?

- All data processing that must be performed by a person's mobile device (code generation, measurement of approximation conditions) remains on that mobile device.
- All data processing that must be carried out centrally (authorisation code) is carried out in the Federal Administration's computer centre.
- Data transports of data that no other users may have (authorisation code and release of a person at risk's keys to the publication server) are carried out in encrypted form over the internet between the mobile device and the federal government's servers.
- Data transports of data that all users of the SwissCovid app must have are published from the federal data center via the Amazon CloudFront service using the internet and mobile data networks. This is publicly available data. Only one thing can be done with this data: You can check on your own mobile device whether you have encountered the mobile device issuing the key. Each mobile device can only perform this recalculation for its own encounters. No one and no machine can perform this recalculation for other mobile devices.

What does storage in the Amazon CloudFront mean?

- The Amazon CloudFront distributes information that all users of the SwissCovid app must have and that only those users can use for themselves. For all other users, this information is useless.
- For this purpose, it stores this information locally in order to be able to distribute it.
- The same mechanism is used by the federal government:
 - To publish publicly accessible maps
 - To distribute the news from www.admin.ch and www.bag.admin.ch
 - To broadcast the parliamentary debates (not via Amazon)
- This mechanism is also used by large publishing companies in order that they do not have to maintain the entire distribution infrastructure themselves.