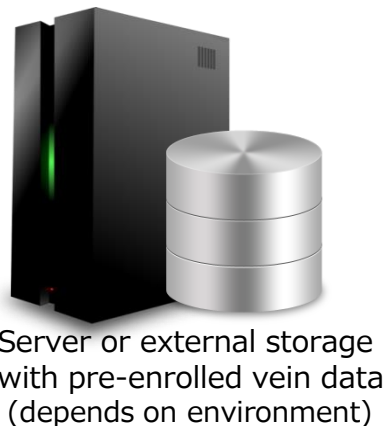


Verification between pre-enrolled data and actual finger is performed on a device

(1) Call the specified vein data

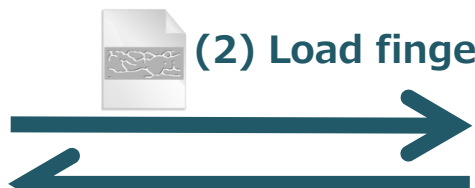
Finger vein data for the user to be verified is called from client, server or any other external storage.

* You can specify any storage location for storing finger vein data



(2) Load finger vein data

Load pre-enrolled finger vein data into a device.



(4) Return the result (true/false, user ID, finger ID)



(3) Capture vein image and match with loaded data

Repeat capturing and matching until the (3) process is succeeded or timeout is occurred.



SDK: MSDK-DCL-02

(5) Process(es) based on the result

Supported platform:
Windows, Android, macOS, Ubuntu

Our SDK: MSDK-DCL-02 takes care of any letters and shapes that have this color. You can control any other parts.

After pre-enrolled data is loaded into a device, identification processes using pre-enrolled data and actual finger are performed on a device

(1) Call the specified vein data

Finger vein data up to 50 is called from client, server or any other external storage.

* You can specify any storage location for storing finger vein data



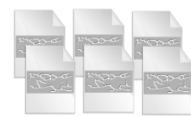
Server or external storage with pre-enrolled vein data (depends on environment)



PC, tablet, embedded hardware or other hardware

(2) Load finger vein data

Load all pre-enrolled vein data into a device.



(4) Return the result

Return any info or ID assigned with the matched finger vein data



(5) Process(es) based on the result

SDK: MSDK-DCL-02

Supported platform:
Windows, Android, macOS, Ubuntu

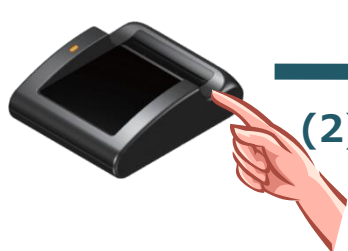
Our SDK: MSDK-DCL-02 takes care of any letters and shapes that have this color. You can control any other parts.

(3) Capture vein image and find matched finger vein data



FVA device captures finger vein image and the matching process is performed on server side

(1) Capture vein image



(2) Process, encrypt and send the biometrics data



PC, tablet, embedded hardware or so

SDK: MSDK-DCL-02

Supported platform:
Windows, Android, macOS, Ubuntu

(3) Data communication

Send biometrics data to authentication server

(4) Prepare for finger vein data to be verified

Call one finger vein data to be verified from server or external storage



Server with pre-enrolled vein data

SDK: MSDK-SAS-02

Supported platform:
Windows, CentOS

(5) Matching with finger vein data

Match biometrics data with called data



Our SDK: MSDK-DCL-02 takes care of any letters and shapes that have this color.
MSDK-SAS-02 does this color.
You can control any other parts.

(6) Process(es) based on the result

Launching application, calling data related to verified user, unlocking some hardware or so

Searching the matched finger vein data using biometrics data fetched from FVA device

(1) Capture vein image



(2) Process, encrypt and send the biometrics data



PC, tablet, embedded hardware or so

SDK: MSDK-DCL-02

Supported platform:
Windows, Android, macOS, Ubuntu

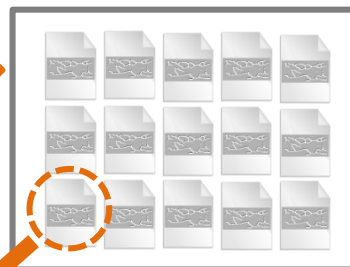
(3) Data communication

Send biometrics data to authentication server



Server with pre-enrolled vein data

(4) Find the matched finger vein data



(5) Return the result

Return any info or ID assigned with the matched finger vein data



(6) Process(es) based on the result

Launching application, calling data related to verified user, unlocking some hardware or so

SDK: MSDK-SAS-10N

Supported platform:
Windows, CentOS

Our SDK: MSDK-DCL-02 takes care of any letters and shapes that have this color.
MSDK-SAS-10N does this color.
You can control any other parts.