(1-time)

Access the SYK store & download the Knee Balancer App

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Input Feeder

V

MAKO System

Knee balancer application

Selected Solution

(Algorithm generated solutions)

Prepare solution using received values

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Upload to Azure Blob Storage

(Device Online)

Knee balancer application:

a. Custom (SYK) user identification & validation

b. Locked after X time retries (SYK store)

c. Input data validation before generating the solutions

d. Proper input validation

e. Proper storage of SYK creds

f. Data in encrypted format

g. Control/Modification of System (host) settings or Device settings

MAKO System:

a. Input data

Blob Storage:

a. Data storage in encrypted format

b. Secure communication

c. Configuring the storage acc firewall

Points:

1. For what all purposes we are using the SYK creds inside the appln.
2. Input source validation.
3. Input details validation.
4. PII & PHI details (anonymization process).

-When anonymization is gng to happen on the details

-How data is gng to store inside the app

-Data storage lifecycle (time period)

-What kind of data is retrieved for how much time.

1. Data at Rest details (eg: algos & other data).

-How algos are stored.

-Solutions and their handling (storage, retrieval time).

-SYK IP: Apart from algos, is there any such data present.

-Is there any Crypto data such as keys, certs…

1. Interaction with cloud & use cases.
2. Pre-operative process & Intra-operative process
3. Any info related to audit log
4. How data gets visible

-When user browse through the file system.

-How data gets protected when it’s connected to laptop.

-Access control permissions on the files (read/write…)

Uploading Component File

Input Receiving Binary Name

Functionality 1

Functionality 2

Functionality 3

Processing

Cloud

Mako sys

1. Components (libs, etc..) receiving input in the knee balancer app
2. Within the knee balancer, what are the processing elements (libs, etc..)
3. Storage of Solution generating algos in device
4. Device status validation plan (jailbroken, etc..)

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1. Build time (byte-code minification, stack protection, PIE support & automatic reference counting)
2. Logs details, storage of audit logs & retails logs
3. App properties (PList validation)

Knee Balancer Application

Data flow

Output component

Input component

Processing component

Knee Balancer Application

App binaries

Property files

Log files

Crypto data

Config files

App data

Stryker IP data

3rd party libs