

Aadhaar Data Vault

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It is the complete software package that is needed to implement Aadhaar Data Vault within your organization.

Overview

UIDAI has mandated the use of tokenization – replacing sensitive data with a token that can be securely stored, processed and transmitted.

Aadhaar vault solution that will help AUAs/KUAs/Sub-AUAs/ or any other agency for specific purposes under Aadhaar Act to easily implement an encrypted Aadhaar Data Vault to securely store Aadhaar number and eKYC data. JISA's exposes REST API to store Aadhaar Number and

associated eKYC Data.

What is Aadhaar Data Vault?

As specified in the UIDAI Circular No. K-11020/205/2017, Aadhaar Data Vault is a secure encrypted centralized storage for all the Aadhaar numbers and related data collected by the AUAs/KUAs/Sub-AUAs/ or any other agency for specific purposes under Aadhaar Act and Regulations, 2016. It should be inside the respective agency's infrastructure accessible only on a need to know basis. The Aadhaar data vault should provide a reference key, which is a unique token to represent the



Aadhaar number in the entire internal ecosystem of the agency. The mapping of reference key and Aadhaar number should only be maintained in the Aadhaar Data Vault.

All business use-cases of entities shall use this Reference Key instead of Aadhaar number in all systems where such reference key need to be stored/mapped, i.e. all tables/systems requiring storage of Aadhaar numbers for their business transactions should from now onwards maintain only the reference key. Actual Aadhaar number should not be stored in any business databases other than Aadhaar Data Vault.

JISA's Aadh aar Data Vault

JISA's Aadhaar Data Vault solution is the complete software package that is needed to implement Aadhaar Data Vault within your organization. The software exposes REST APIs that can be used to easily integrate with existing

software services. The package supports database encryption for data protection with HSM integration.

- Allow applications to tokenise and replace sensitive data with token values
- Encrypts the Aadhaar number and connected data in a Secure Vault
- Keys for encryption are stored in HSM
- Flexible policies



allow
tokens to
preserve
the format
of the
input data

- Application
integration
using
either a
SOAP or
RESTfulwe
bservice
- Allows
System
users to
create
policies,
set client
access
and
allowed
operations
, view
audit data
and
configure
other
parts of
the
system
- All
operations
can be
single or

bulk
requests

- Full auditing of all user access and client application operations
- Unauthorized Access alerts

Advantages

Secure REST APIs

JISA's Aadhaar Data Vault exposes simple and secure REST API that enables easy integration of Aadhaar Data Vault with the existing applications

Access Logs

JISA's Aadhaar Data Vault logs all API access activities. The log can be viewed via web user interface that supports search functionality as well.

Secure And Encrypted Solution

JISA's Aadhaar Data Vault supports database encryption to ensure data security even if the database as a whole is compromised.

Access Logs

JISA's Aadhaar Data Vault provides integration with leading HSM models to enable encryption using HSM as mandated by UIDAI.

UUID Based Reference Keys

Reference keys to map Aadhaar number are generated using UUID scheme in order to ensure that the recovery of the original Aadhaar number from the reference key is computationally infeasible.

Access Logs

JISA's Aadhaar Data Vault comes with an administration console with role-based user access to allow viewing of Aadhaar number reference key mapping and access logs.

Alerts

JISA's Aadhaar
Data Vault
Authenticates
each
transaction and
alerts
unauthorized
Transaction.

JISA India
R&D centre
situated in
Pune, is a
core of a
team with
excellent
technicians
and think-
tankers with
the only
objective of
delivering
simple,
efficient and
powerful
device that
meets one's,
particularly
routine
requirements

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Hardware Security Module Enterprise Key Manageme nt Vaultless Tokenisatio n Vaultbased Tokenisatio n Aadhaar Data Vault Data Security Server Data Masking Column Level Encryption Application Level Encryption IoT Security Platform Enterprise Code Signing Authenticat ion Solution Aadhaar eKYC Middleware Video KYC

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