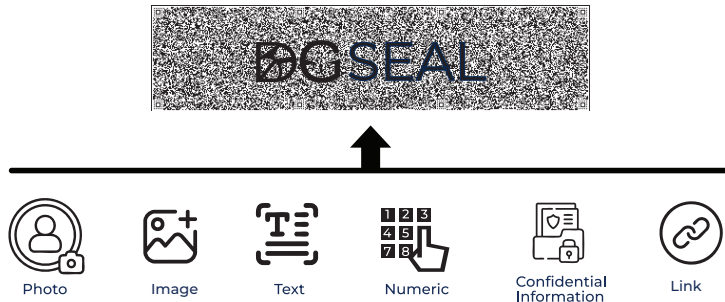# DGSEAL

VDS Technology based Data Container

Data Self- Container
Allowing Storage of large quantity of encrypted information.

Physical and Digital
Secure all types of documents, either offline or online.

Secure Issuance and Verification
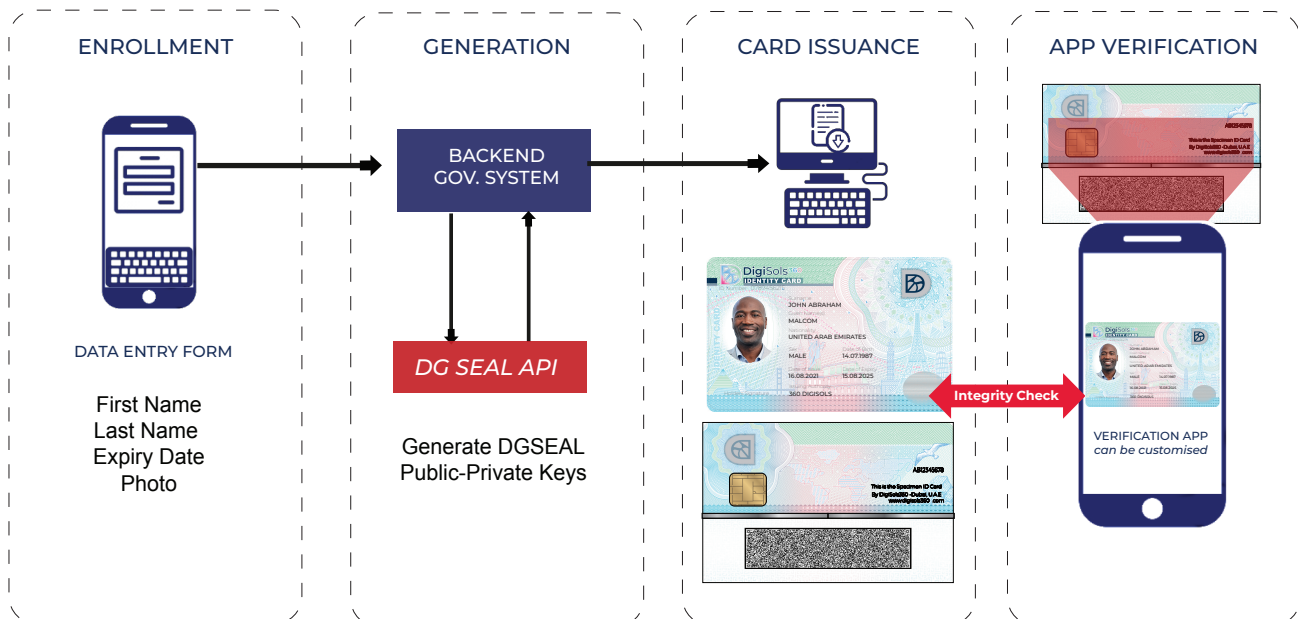Signed with asymmetric keys guaranteeing origin and integrity of document's content.

Offline verification
Offer offline verification preventing network latency and hacking risks.

Less Space, More Data
SealCrypt L is 7 times smaller than a QR code containing same data (2KB) at per GS1 standards.

Photo **Image** **Text** **Numeric** **Confidential Information** **Link**

EVERYTHING IN THE CODE , NOTHING IN THE CLOUD!

ENROLLMENT

DATA ENTRY FORM

First Name
Last Name
Expiry Date
Photo

GENERATION

BACKEND GOV. SYSTEM

DG SEAL API

Generate DGSEAL Public-Private Keys

CARD ISSUANCE

DigiSols
IDENTITY CARD
JOHN ABRAHAM
MALCOM
UNITED ARAB EMIRATES
MALE   14.07.1987
16.08.2021   15.08.2025
360 DIGISOLS

This is the Specimen ID Card
By DigiSols360 -Dubai, U.A.E
www.digisols360.com

APP VERIFICATION

Integrity Check

VERIFICATION APP
can be customised

Offline Readability
Doesn't need internet
Or access to database.

ISO
Conform To Standard
ISO 20248 Digital signature
data structure schema.

2KB
Large Amount Of Data
Upto 2kb of data can
be stored inside of a DGseal.

Tamper Proof
Once Generated, it cannot
be altered. Any modifications
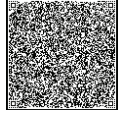will render the DG Seal
non-functional!

Flexible Application
Can be read when printed
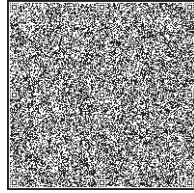On paper or displayed
on smartphone.
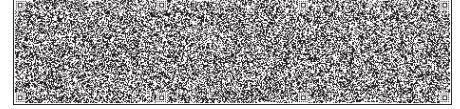
DG Seal can be
Customised
As Per Your Logo

DGSEAL

TECHNICAL DETAILS

(Actual Size @ 600dpi)
15 x 15 mm
400 bytes
Text Only

DG Seal S

(Actual Size @ 600dpi)
25 x 25 mm
Upto 1.4 KB
Image & Text

DG Seal M

(Actual Size @ 600dpi)
58 x 14 mm
Upto 2 KB - Image & Text

DG Seal L

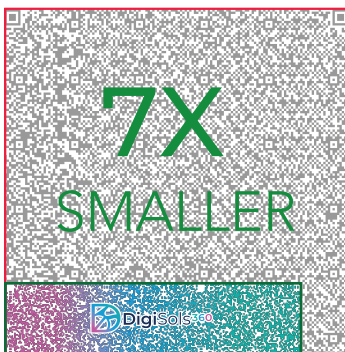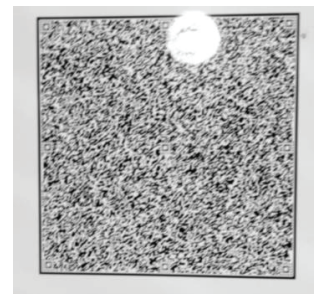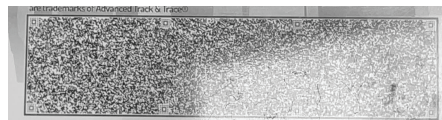| 2D CONTAINER CODE COMPARISON	PDF417	QR Code	Datamatrix	DG Seal	RFID/NFC
Storage Capacity (Bytes/cm²)	~20	~50	~20	~550	>20k
Applicable to paper and digital	✓	✓	✓	✓	✗
Image Storage	✗	✗	✗	✓	✓
Biometry Storage	✗	✗	✗	✓	✓
Smartphone Reading	✓	✓	✓	✓	✓
Data eSignature	✗	✓	✓	✓	✓
Costs	$	$	$	$	$$$

7X SMALLER

QR code with 2KB storage capacity
57.7 cm²
(76 mm x 76 mm)

DG Seal with 2KB storage capacity
8.26 cm²
(59 x 14 mm)

DGSeal L is **7 times smaller** than a QR code storing 2KB Data, and complying with GS1 standard.

Strong Data Error Correction Algorithm
Can Be Decoded Even If 30% Of The Data Is Non Readable

DigiSols 360

For more details, **Scan the QR code** and get in touch with us !