The First National Digital Identity

UAEPASS
“We aim to create a mobile government that reaches all people in the UAE. We want a 24/7 government. We want everyone to be able to access the government services via smartphones. We want this to be realized within two years”

His Highness Sheikh Mohammed Bin Rashid Al Maktoum
Existing Solutions

2013

185,000+ users
16 entities

2016

1.2M+ users
55+ entities
Challenges

Multiple systems and credentials

Physical visits to complete government transactions and signatures
HOW MIGHT WE MAKE THE CITIZEN’S EXPERIENCE EVEN HAPPIER?
الهوية الرقمية
UAE PASS

“The UAE’s National Digital Identity”
National Level Collaboration

In October 2017, Smart Dubai signed an MoU with TRA, to develop a single trusted digital identity solution in the UAE.
UAE PASS official launch in Gitex

October 16th 2018
UAEPASS FEATURES
Key Features

Mobile-based identity

Single trusted identity

Digital signature
Security Assurance

- Built on National PKI
- Industry Standard Authentication and Signing Certificates
- Secure storage of keys on Mobile and HSM
START YOUR UAEPASS JOURNEY
Download the app

GET IT ON Google Play

Available on the App Store

UAE PASS
The National Digital Identity and Signature Solution
UAEPASS Enrollment

Sign up in 3 steps

SCAN
Scan your Emirates ID or Passport

VERIFY
Verify your Mobile Number and Email Address

SECURE
Secure your Account with a PIN
Or migrate from existing solutions
Step up your account

Visit the nearest kiosk to complete the verification process

Required to enable digital signing
**Sign & Verify**

**Sign**

- **5 Signed**
- Last Signature: 12:30 pm 17 Oct 2018

**Digital Signature**

- 16 Oct 2021

**History**

<table>
<thead>
<tr>
<th>Type</th>
<th>Document name</th>
<th>Validation</th>
<th>Date</th>
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<tr>
<td>PDF</td>
<td>UAEPASS Mobile Application</td>
<td>Valid</td>
<td>08:44, 20 Oct 2018</td>
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<tr>
<td>PDF</td>
<td>Self-Service Portal</td>
<td>Valid</td>
<td>12:30, 17 Oct 2018</td>
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</table>
UAE PASS PROFILES
UAE PASS User Profiles

UAE PASS has the capability to enroll users in two groups:
1. **Basic profile**: For users with less strict validation during the enrollment process (e.g. country visitors, external users), with confirmed email and mobile numbers.
2. **Verified profile**: for users who have gone through an identity vetting process (i.e. Emirates ID holders, Federal document such as Passport, Driver License), where profile attributes are validated.

Different rights will be assigned to the two groups of users, which are stated as follows:
1. **Basic profile**, can only access online services (provided by Service Providers) using their Digital ID, with no privilege to sign documents.
2. **Verified profile**, can access online services (provided by Service Providers) using their Digital ID, and sign documents.

Note: The level of access granted by the Service providers to the users must be based on the Service Provider’s access policy guidelines.
## UAE PASS User Profiles

### Basic Profile

<table>
<thead>
<tr>
<th>User Level</th>
<th>SOP 1</th>
<th>Confirmed email and mobile number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment Channels</td>
<td><img src="image" alt="Mobile App" /></td>
<td><img src="image" alt="Trusted IDP" /></td>
</tr>
<tr>
<td>Collected Attribute Categories</td>
<td>• Basic personal info</td>
<td>✓ Contact info (Email + Mobile)</td>
</tr>
<tr>
<td>Enabled Services</td>
<td>• Out of band Authentication (for web and mobile services)</td>
<td></td>
</tr>
<tr>
<td>Example of Use Cases</td>
<td>• Informative services</td>
<td>• Public services</td>
</tr>
</tbody>
</table>

### Verified Profile

<table>
<thead>
<tr>
<th>SOP 2</th>
<th>In person proofing, in-person antecedent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enabled Channels</td>
<td>Online/offline agents</td>
</tr>
<tr>
<td>✓ Basic personal info</td>
<td>✓ Identification document info</td>
</tr>
<tr>
<td>• Out of band Authentication (for web and mobile services)</td>
<td>• Digital signing (mobile based authorization)</td>
</tr>
<tr>
<td>• Rentals, e.g., cars, apartments</td>
<td>• Selective government services</td>
</tr>
</tbody>
</table>

| TEE + HSM |

- **TEE - Secure Enclave (SE) or Android equivalent**
- ✓ Verified attributes

<table>
<thead>
<tr>
<th>SOP 3</th>
<th>In person proofing, no in-person antecedent, biometric verification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enabled Channels</td>
<td>Face-to-face agent</td>
</tr>
<tr>
<td>✓ All data from Emirates ID</td>
<td>✓ Contact info (Email + Mobile)</td>
</tr>
<tr>
<td>• Out of band Authentication (for web and mobile services)</td>
<td>• Digital signing (cloud based password)</td>
</tr>
<tr>
<td>• Establishing business, e.g., EODB</td>
<td>• High values assets transfer, e.g., real estates</td>
</tr>
<tr>
<td>• Banking</td>
<td></td>
</tr>
</tbody>
</table>

### User Keys Protection

- TEE + HSM
UAE PASS AUTHENTICATION & CUSTOMER KYC
When a Service Provider is authenticating a user through UAE PASS, the ACG (Authorization Code Grant) flow needs to be used.

This process entails:
- Obtaining authorization
- Obtaining the access token
- Accessing the resource
UAE PASS DIGITAL SIGNATURE
Service Provider can delegate the document signing process for a user through UAE PASS. This signing process entails:

- Obtaining the token for accessing the signature operations – Cover in previous process
- Creating the document signature process
- Executing the document signature process
- Obtaining the signed document Hash
- Service Provider embeds the Signature Hash in the document
We are one step closer to our target...

But we still have a long way to go!

Our goal remains intact; to make UAE the happiest country on earth!
THANK YOU

For more information visit uaepass.ae