

Digital Signature

By: Eng. Doaa Khaled

Director of Electronic Transactions Security Sector, ITIDA

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Agenda

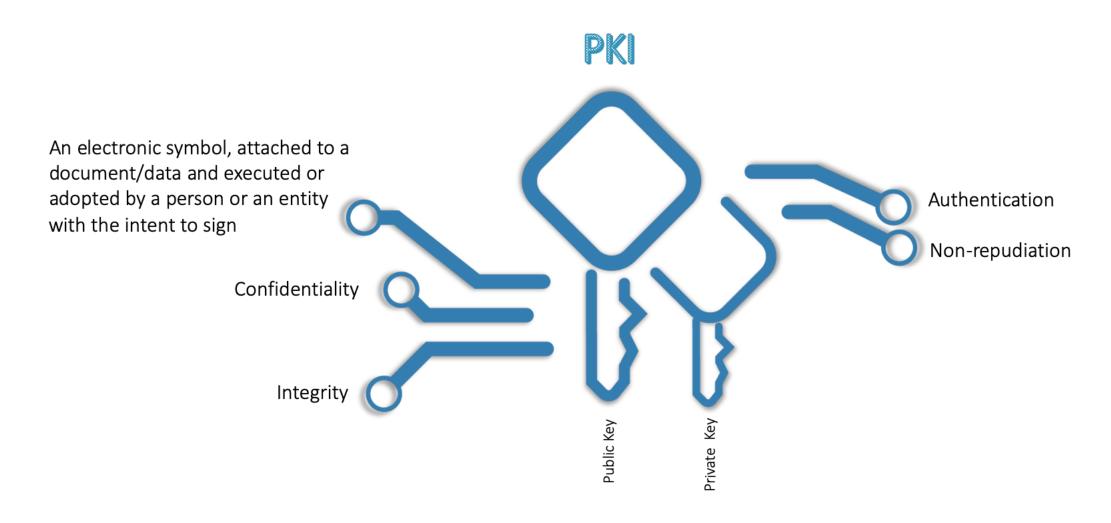


- What is Digital Signature?
- Digital Signature journey in Egypt
- Digital Signature Ecosystem
- Types of Digital Certificates
- How to obtain Digital Certificate/Seal?
- Using Digital Signature
- References



What is Digital Signature?







Digital Signature Journey





Digital Signature Law

- Egypt passed the Law 15 Regulating Digital Signatures
- MCIT Established ITIDA as Digital Signature regulator



ROOT CA & CSPs

- Root CA is the trust anchor for all parties within that domain
- Issues digital certificates for licensed CSPs



Competency

Center

- Provides digital signature services and applications
- Integrates Apps with PKI, and protects information security systems



Empowering Digital Transformation

- Updated Digital Signature Executive Directive
- Key national projects:
 - ➤ MOF E-Invoice
 - Economic Courts
 - Customs Authority
 - > etc., ...

2004

2005

2013

2020



Digital Signature Ecosystem



Countries Interoperability

ITIDA is Responsible for interoperability between other countries providing a point of communication between Egypt and other countries with respect to digital signature



MCDR

MCIT

Gov CA

MOF – Government Certification Authority Provides the Digital signature/e-Seal certificates to governmental Employees/entities

MCDR

Misr for central Clearing , Depository and Registry provides Digital signature/e-seal certificates to Private Sector and Business Organizations



Egypt

Trust

Egyptian Co. For Digital Signature & Information Security provides Digital signature/e-seal certificates to Private Sector and Business Organizations



Types of Digital Certificates







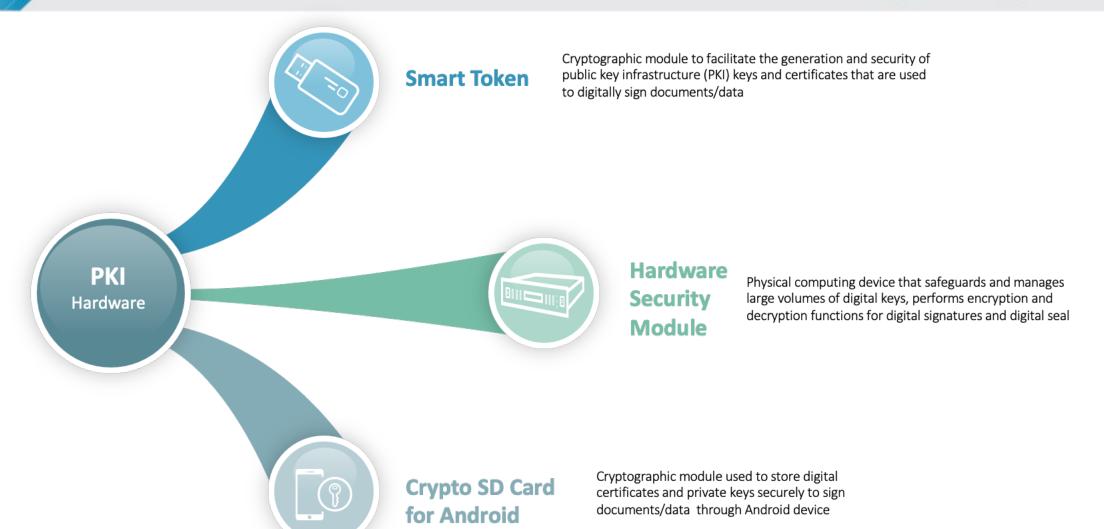
How to obtain Digital Certificate/ Seal?



- Digital Certificate/Seal can be issued from one of the licensed Certified Services Providers (CSPs)
- Legal documents should be presented in person to CSP
- Digital Certificate/Seal will be issued using one of the authorized PKI tools

Digital Signature PKI Tools







Using Digital Signature



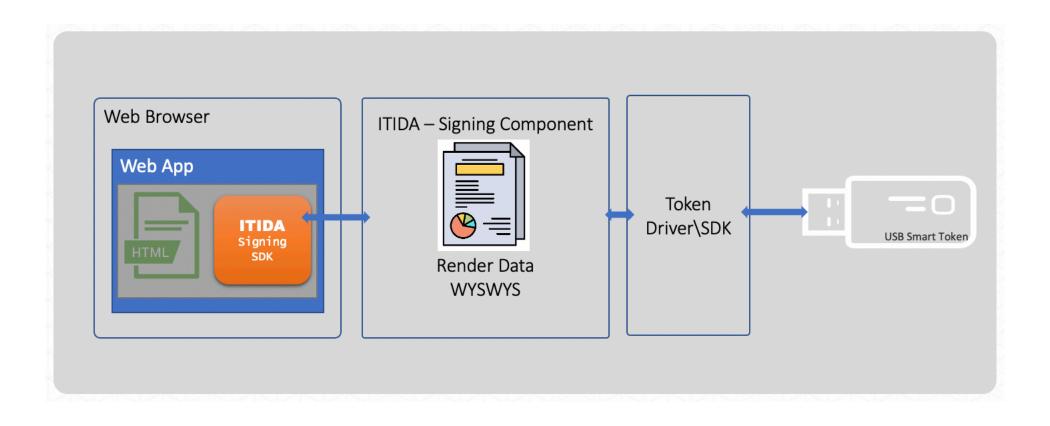
ITIDA Signing Components are aligned with Egyptian Digital Signature Law, to enforce the mandate of What You See Is What You Sign.





Using Digital Signature

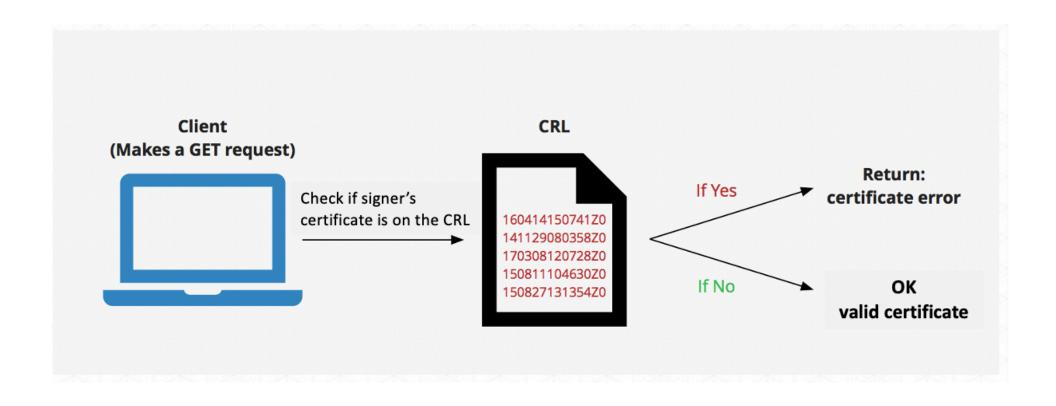






Using Digital Signature





References



- Digital Signature law and it's executive directive ITIDA E-Signature
- e-invoice <u>Digital signature requirements</u>
- Advance Cargo Information system (ACI) <u>Digital signature</u> requirements

THANK YOU