Entrust
Securing Digital Identities & Information

SECURITY ON

E-MRTD PKI TRUST: SOFTWARE-AS-A-SERVICE

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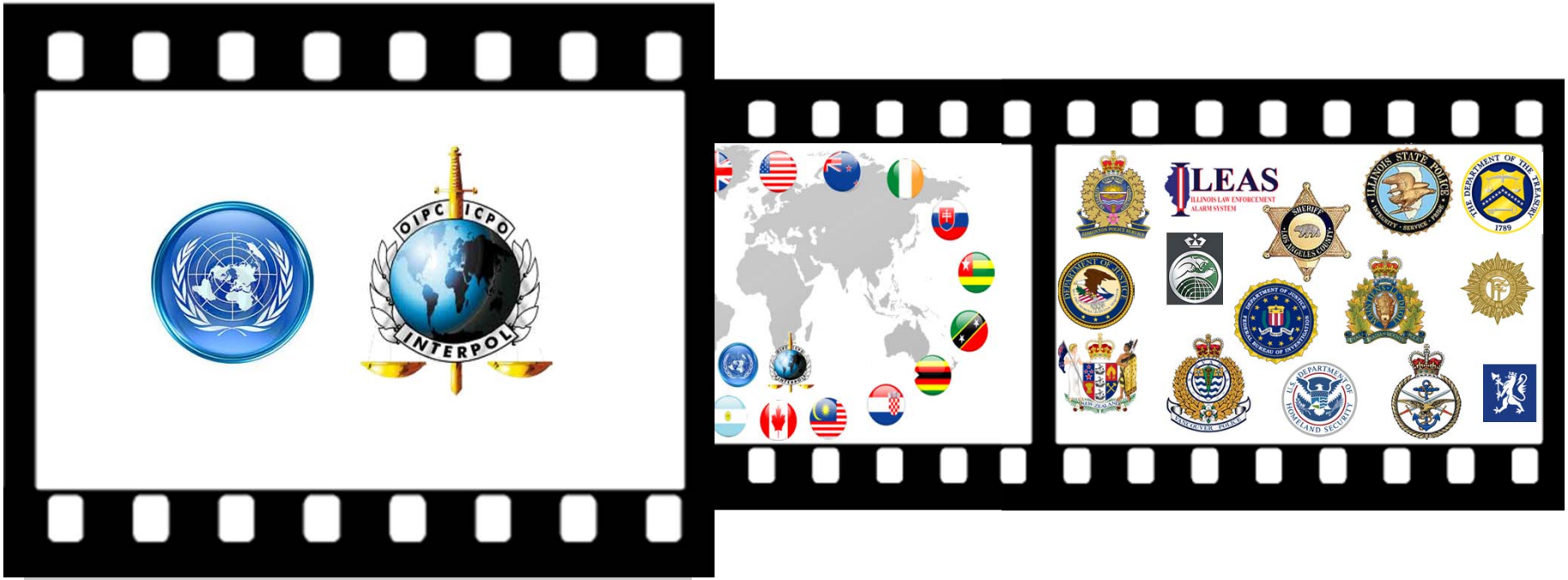
PRODUCT MANAGER, PKI PLATFORM

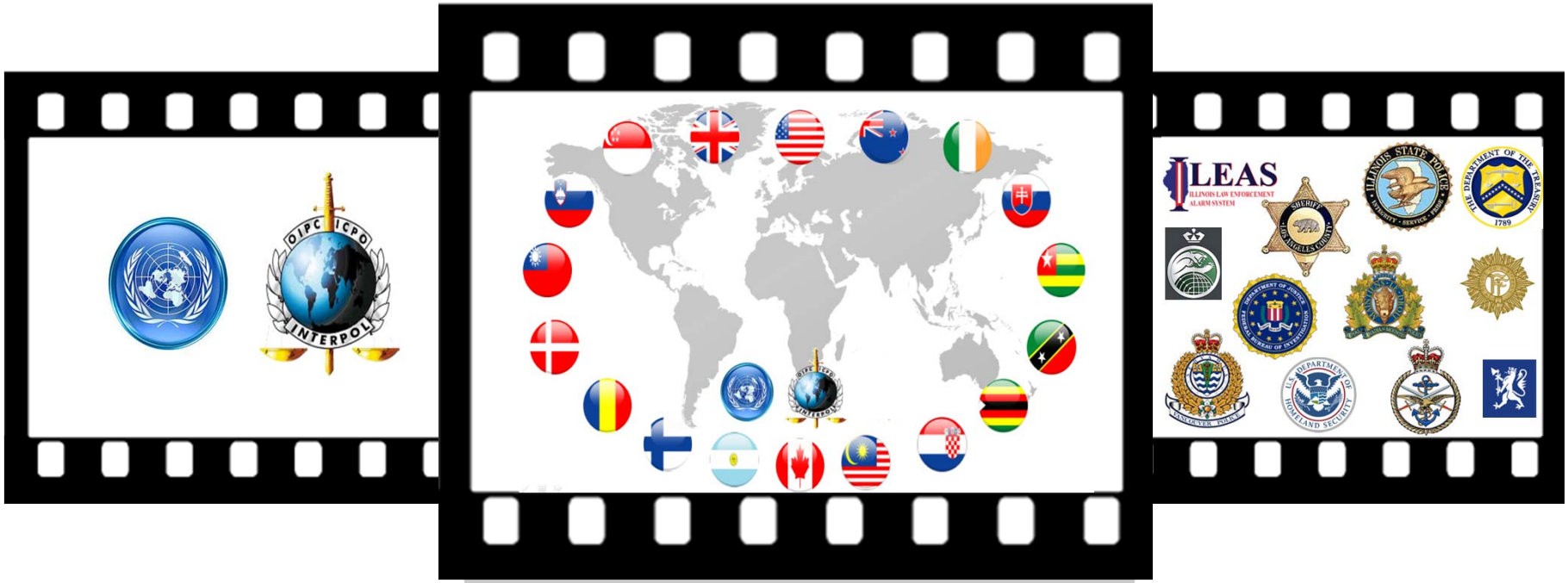
Trust for eMRTD

Entrust: Trusted Around the World



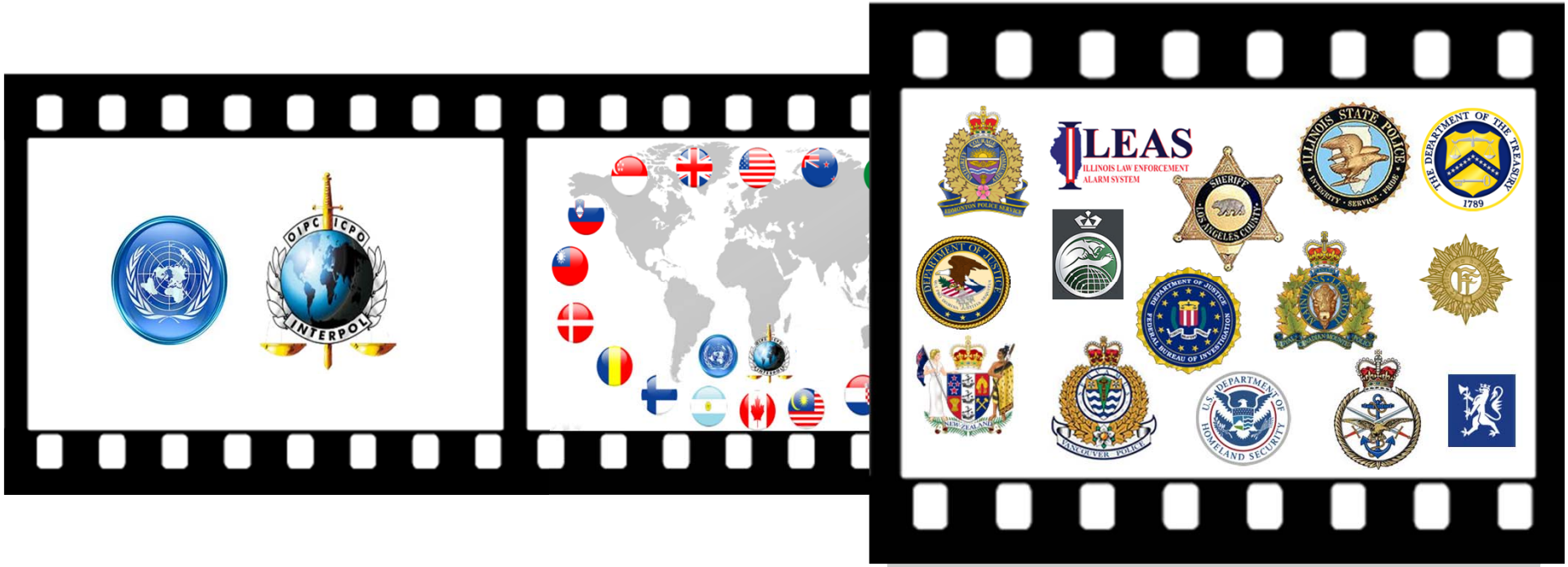
- **Trusted by supranational organizations…**
  - **United Nations**
  - **INTERPOL**

Entrust: Trusted Around the World



- Trusted by world governments…
  - 50%+ of worlds ePassports
  - 50% of 2nd generation ePassport countries use Entrust

Entrust: Trusted Around the World



- **Trusted by Law Enforcement:**
  - **International**
  - **Local**

The “e” in eMRTD

Why electronic ID documents?

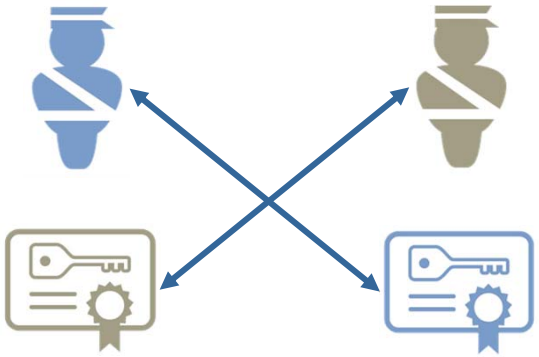
- Establish Identity
- Strong Binding
- Mitigate threats of document forgery
- Mitigate Individual Impersonation
- Validate Identity

Support Strong Identity & Increase security

Software as a Service

Effort

- Learning curve
- Capitol Investment
- Complexity
- Interoperability
- Deployment timelines
- Maintenance headaches
- Dedicated staff



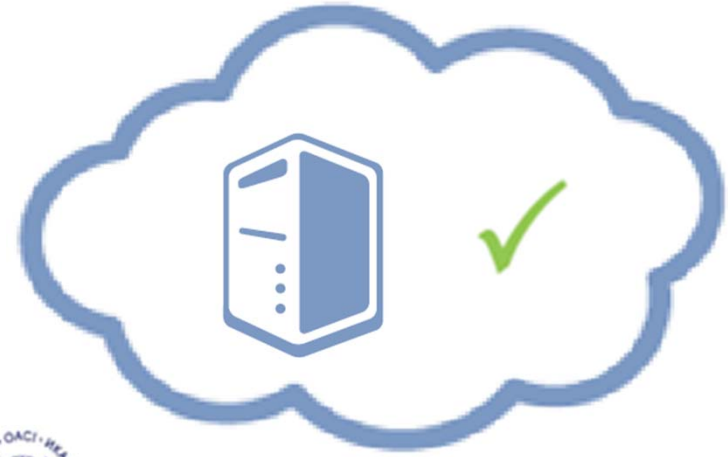
Software as a Service

Plug & Play

- Specialist Expertise
- Cost Efficiency
- Tested PKD Integration
- Speedy deployment
- On-Going Maintenance
- Seamless Upgrade

Entrust

Cloud Services



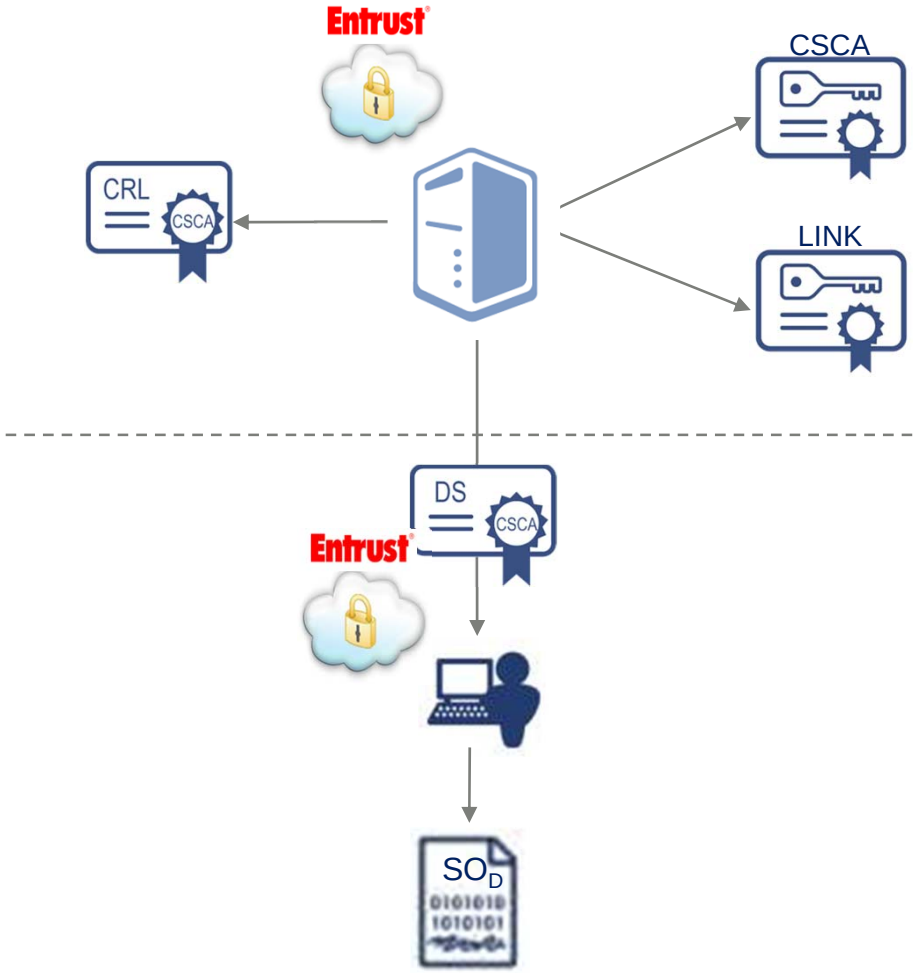
Trust as a Service

Turn Key
Trust Management

Entrust ePassport Technologies

- Country Signing Solution
- Country Verifying Solution
- Distribution and Validation Architecture
- Master List Signer & SPOC
- PKD Integration
- All of these: On-Premise OR Cloud

National PKI Components



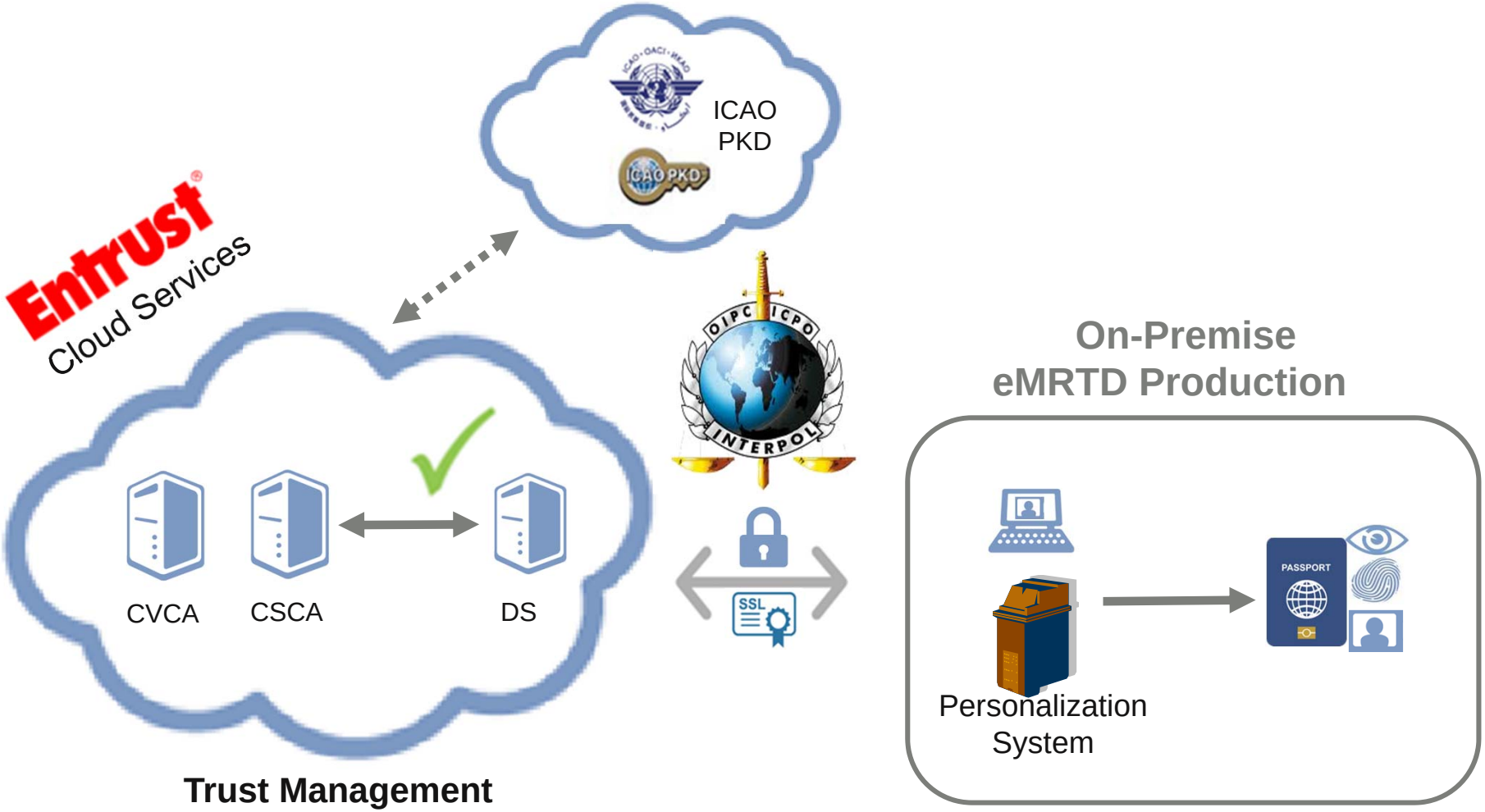
CSCA

- **Trust Point for National PKI**
- **One per country**
- **Issues all certificates**
- **Issues CRL**

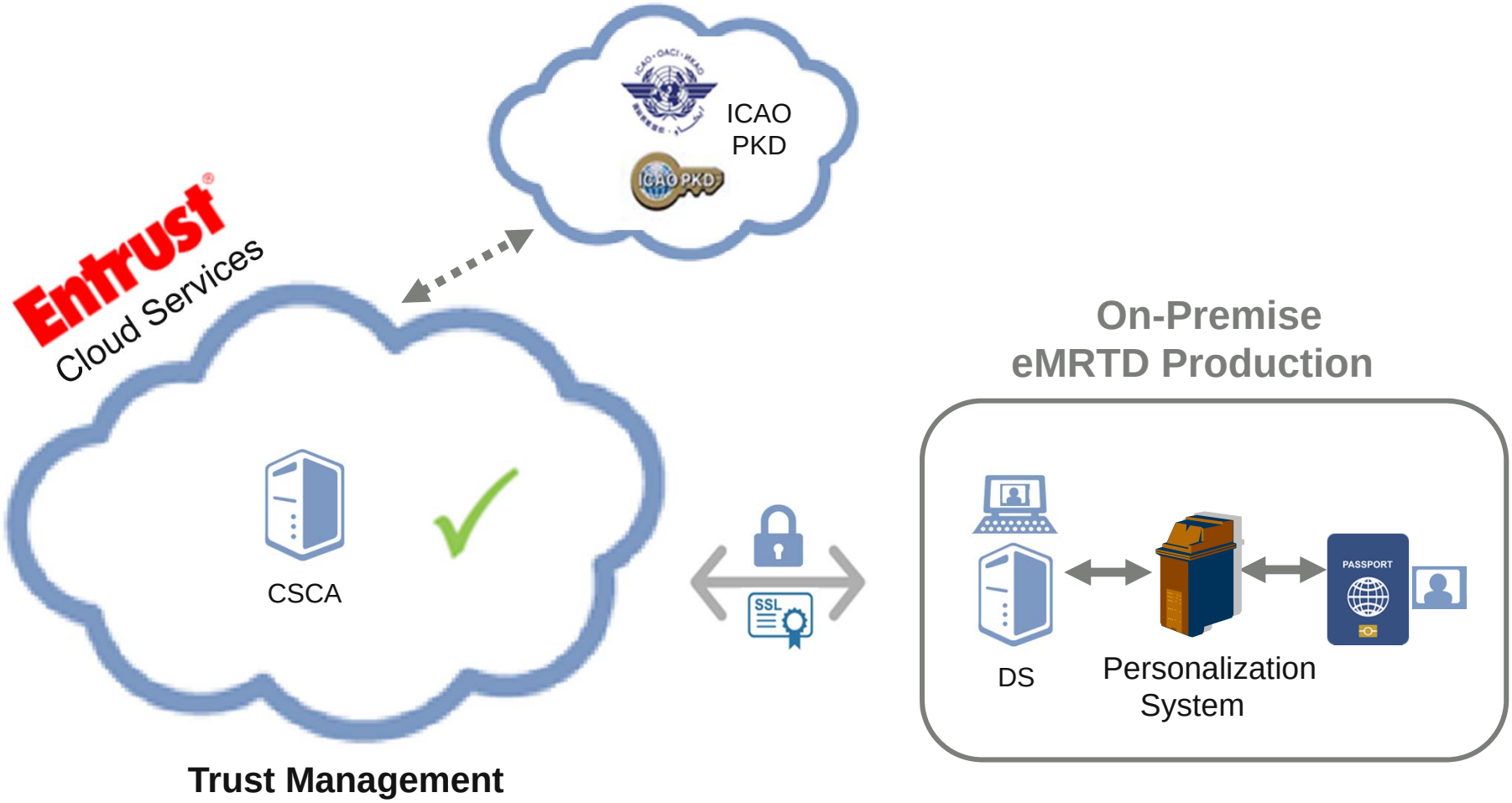
DS

- **One of more per country**
- **Signs eMRTD data**
- **Generates SO_D**

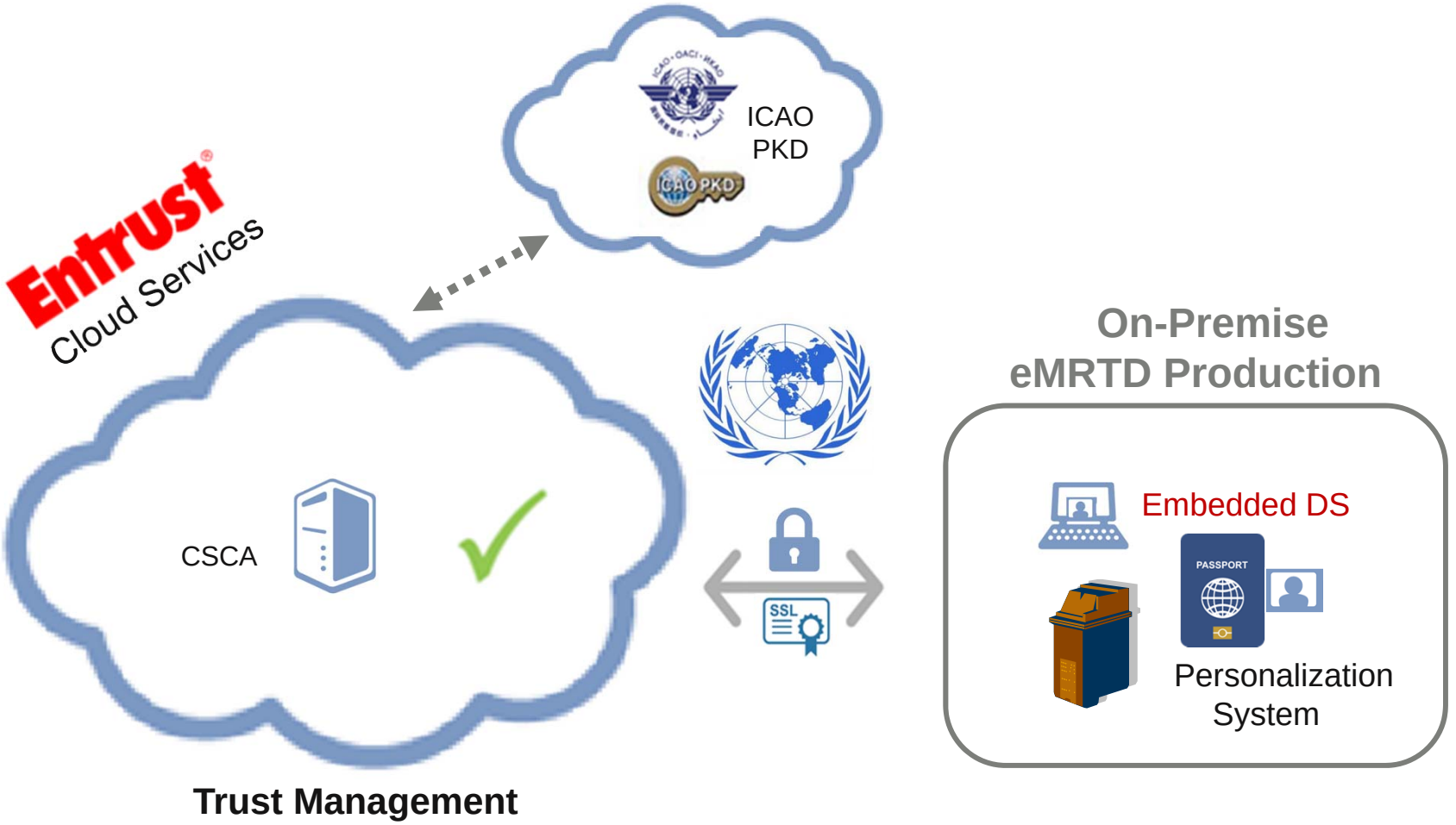
Entrust Secure Cloud CSCA & DS



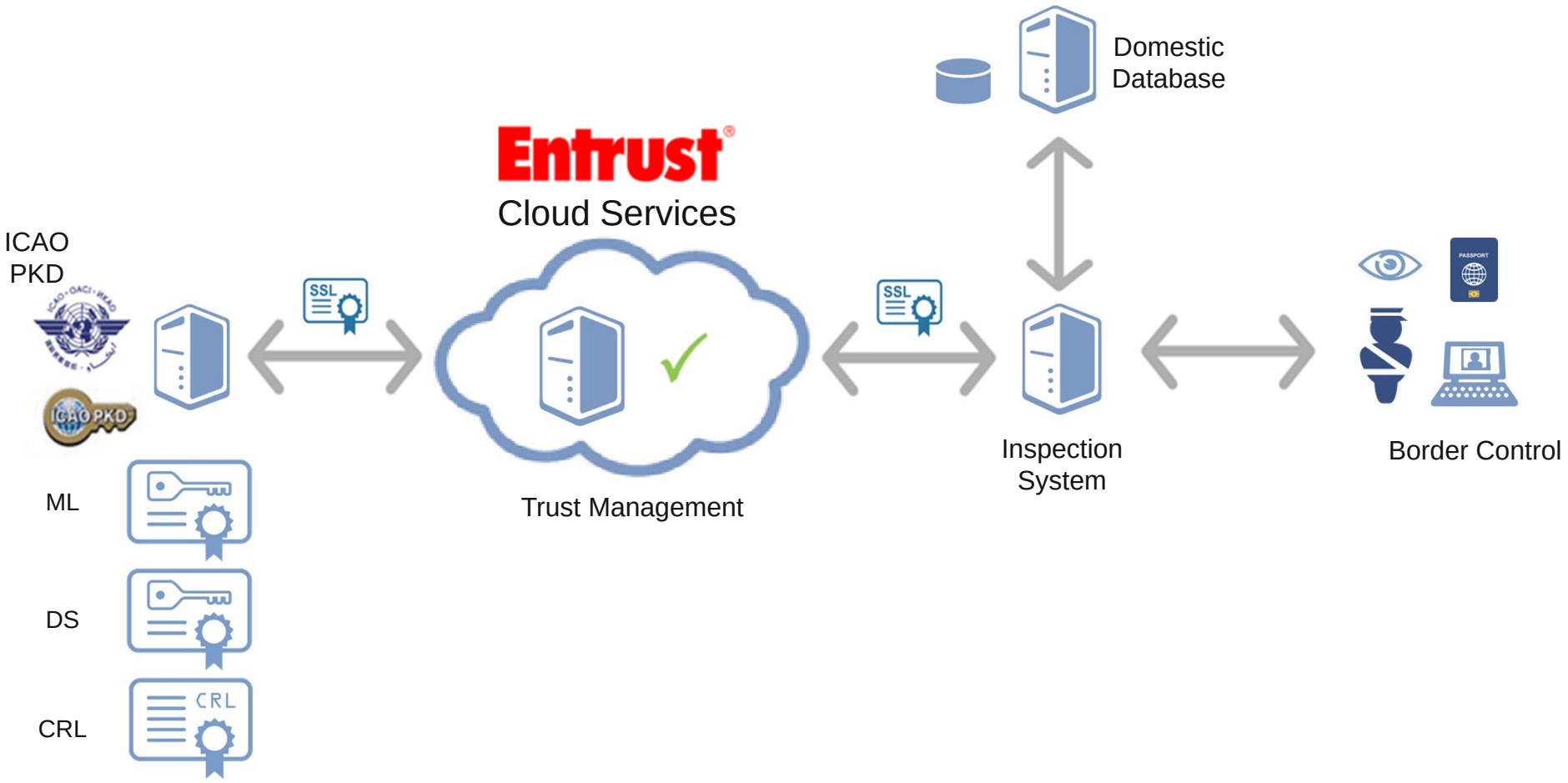
Entrust Secure Cloud CSCA with On-Premise signing (DS)



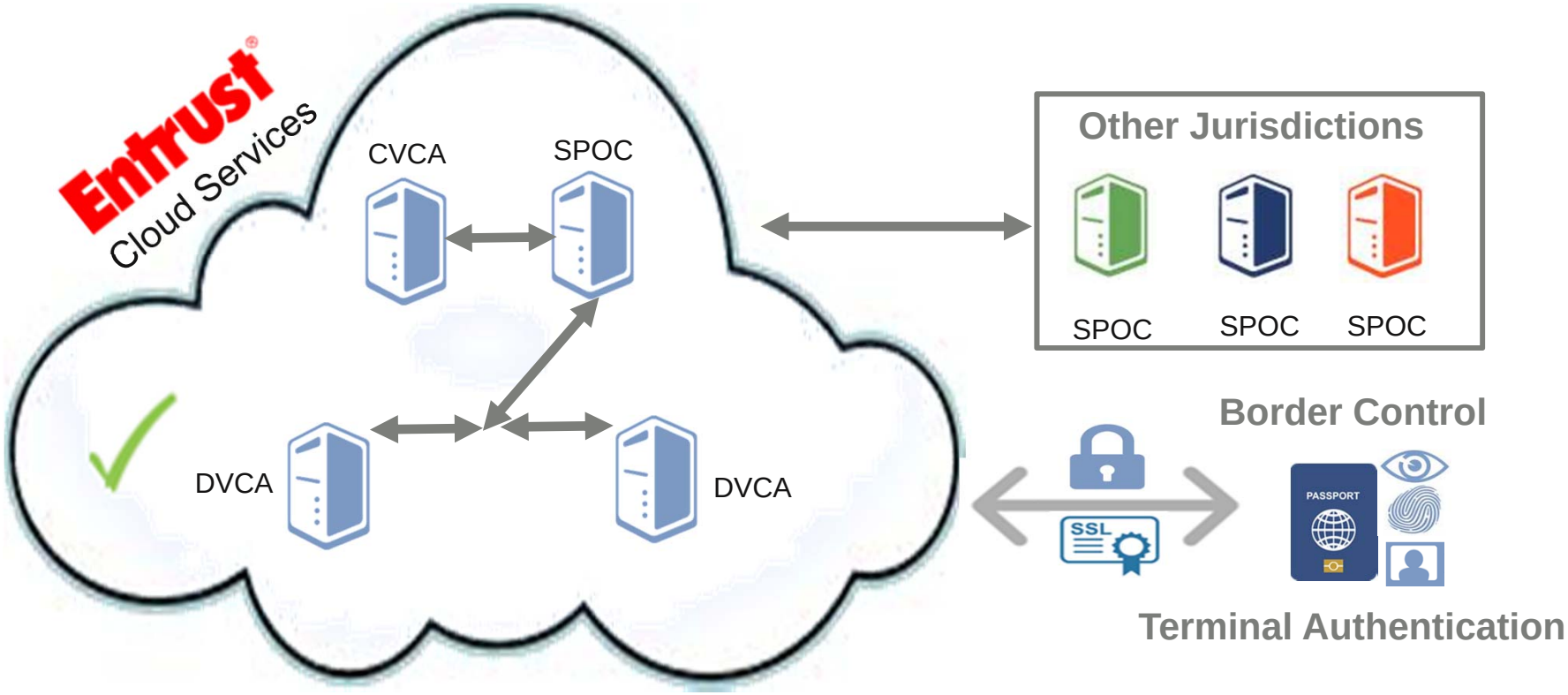
Entrust Secure Cloud CSCA With On-premise Embedded Signing



Entrust Validation Service (BAC or EAC)



Entrust Secure Cloud EAC Architecture



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THANK YOU!