Outline

- TDID Background
- CA Service
- CA Hosting Service
- Digital Signing Solution
- e-Insurance Policy
TDID Background
Established in December 2000, as the first CA Service Provider.
Objectives: To deliver the world-class standard certification service.
Certified Thailand National Root CA

Certified
ISO 27001 / WebTrust for CA

Certified
FIPS 140-2 Level 3
TDID’s History

TDID was born

2000

PCC CA
20-03-2001

Certified
ISO 27001
2007

2001-2004

Certified
WebTrust
2013

2005-2008

TDID CA
12-05-2011

TBCC RCA
07-03-2016

2008-2011

Certified
WebTrust
SSL Baseline
2016

2012-2015

2016- Present

BOT CA
18-03-2011

NITMX CA
14-06-2007

TDID was born

Certified
ISO 27001
2007

Certified
WebTrust
2013

Certified
WebTrust
SSL Baseline
2016

2000

2001-2004

2005-2008

2008-2011

2012-2015

2016- Present

PCC CA
20-03-2001

NITMX CA
14-06-2007

BOT CA
18-03-2011

TBCC RCA
07-03-2016
CA Service
Certification Authority (CA)

- Personal
- Enterprise
- SSL
- Server/NW equipments
Registration Authority (RA)
- Interface between CA and end entities
- Identifies end entities
- Keep records of end entities
For Secure email

RA Model
To deliver the world-class standard CA service

- ความปลอดภัยของกุญแจส่วนตัว
- บริการเป็นไปตามมาตรฐาน CA โลก
- ระบบพร้อมให้บริการตลอดเวลา
- Browser Recognition
- การบริการสะดวกรวดเร็ว
- ระบบแจ้งเตือนก่อนใบรับรองฯหมดอายุ
- บริการ Online Certificate Renewal
- บริการ Call Center
Our Customers

Application

ระบบโอนเงิน Electronic Financial Services (EFS)
บริการหนังสือรับรองนิติบุคคล อิเล็กทรอนิกส์ผ่านธนาคาร
บริการรับ-ส่งข้อมูลรายผู้ฝากกับสถาบันคุ้มครองเงินฝาก
โครงการใบกํากับภาษี อิเล็กทรอนิกส์
ระบบรักษาความมั่นคงปลอดภัยด้วยใบรับรองสำหรับเซิฟเวอร์และเราทีเคอร์
ระบบนำส่งข้อมูลอิเล็กทรอนิกส์แบบออนไลน์ของสำนักงาน กลอต.

User

Standard Chartered
BNP PARIBAS
DBS
LH BANK
HSBC
CIMB THAI
Citibank
Bank of America
RBS
Deutsche Bank
TISCO Bank
UOB
CA Hosting Service
CA Hosting is a solution that TDID aims to serve the full CA implementation and operation management based on the standard security system infrastructure.
CA Hosting Service

Recognized CA

Enterprise User

Personal User

TDID PKI Backend

Data Center

Backup Center

ISO 27001
BUREAU VERITAS Certification

No. 2271340

Certification Authorities

WebTrust Baseline

Certification Authorities

WebTrust
Our Customers
Digital Signing Solution
Digital Signing Solution

- In-house Digital Signing with TDID PKI Product
- Outsourced Digital Signing to TDID
In- house Digital Signing with TDID PKI Product

PKI Hardware

PKI Software

SafeNet
The Foundation of Information Security
Safenet is a global leader in information security, providing complete security utilizing its encryption technologies, and offers a full spectrum of products including hardware, software and chips.
## General Purpose

- Keys always in Hardware
- High-Performance Cryptographic Processor
- Security Validated
- Ease of Integration
- FIPS 140-1 Level 2
- FIPS 140-2 Level 3
- Strong Encryption
- Easy Deployment

### Network Attached

- **Luna SA**

### PCI Card

- **Protect Server External (PSE)**
- **Luna PCI-e**

### Payment HSM

- **Luna EFT2**

### Authentication Token

- **iKey 5110**
Thai Digital ID Company is the PKI security specialist, offering services that secure critical data and providing PKI application for signing the digital signature on e-Document.
1. Start
2. Generate file
3. Get PDF files in input folder
4. Sign data with a key in HSM
5. Send signed PDF files to output folder
• Sign Digital Signature to PDF file
• Flexibility and Efficiency in dealing with multiple folders (various forms) and multiple keys (various signature)
• Customization for Fields Caption/Position arrangement
• High availability Support
• Strong Authentication by Two factors
• PKI-enabled GUI & Interactive Guided Menu/Message
• High integrity and validity with Time Stamp Server Connection Support
• Real-time Audit Logs
Thai Digital ID Company has launched digital transaction signing service to facilitate low-cost, flexible, and secure PDF document signing to the client.
Outsourced Digital Signing to TDID

1. Place file to input folder
2. Transfer data to Signing Server
3. Sign data with a key in HSM
4. Transfer data to Signing Gateway and write file to output folder
Flexible operation processing
- Batch Signing
- Online Signing

Integrated supporting features
- Report consolidation
  - Transaction report
  - Service Fee report
Highlights and Benefits

High Scalability
- Limitless number of transactions to be run under high performance computing and standard NW infrastructure.

High Availability and reliability
- 24*7*365 Service operation
- Tireless vigilance sharing between DC and DR (Tier 4)

High security of communication and transactions
- Hash transactions sent and received are always encrypted and secure under SSL communication.
- Customer’s private key is securely protected in the FIPS 140-2 Certified HSM
- Transactions are signed in the FIPS 140-2 HSM
- The service is run under ISO 27001 and WebTrust for CA environment

Benefit
- Substantial decrease in operational workload and let the clients focus their core activities/service efficiently
- Drastic reduction in cost of investment
- Long term burden free
- Professional execution and customer support
e- Insurance Policy
Current (paper) Insurance Policy System

1. Create Insurance Policy
2. Print
3. Send to customer
Create Insurance Policy

1

2 (A)

In-house Signing

2 (B)

Outsource Signing

3

Send to customer
Digital Signature
THANK YOU

Please visit us
Web: www.thaidigitalid.com
E-Mail: support@thaidigitalid.com