



# Digital Certificate Service

Ken Prosser and Dale Land



- **What is the Digital Certificate Service?**
- **What is it used for?**
- **Who would use it?**
- **Current status of service**
- **Future directions**
- **How do I find more information?**

# What is the Digital Certificate Service?

**DCS is a Corporate Supply Arrangement for the provisioning of Digital Certificates**

**The service is provided and managed by OCIO  
Information Security Branch**

**The service is provided through a Managed  
Service contract with Entrust**

# What is the Digital Certificate Service?



**DCS is based on Public Key Infrastructure**

**The service is based on a tributed administration model and linked to IDIR**

**The service will include the ability for Customers to issue user certificates, hardware tokens, software and licences**

# What is a Digital Certificate?

**Contains information about an individual or entity**

**Issued by a trusted 3<sup>rd</sup> Party**

**Contains information to prove authenticity**

**Has an expiration date**

**Is able to be presented for validation**



# What is DCS used for?

Digital Certificate Services (DCS) will **transform** the data security landscape in the **BC Public Sector**.



**Enables robust authentication, identification, confidentiality, integrity, non-repudiation and trust!**

# What is DCS used for?

Digital Certificate Services (DCS) will **initially focus on provisioning User Certificates.**

**User Certificates will enable strong user authentication, secure email, file encryption, digital signing of messages and documents (non-repudiation)**



# Who would use DCS?

## Any OCIO/TS Client that:

- **Currently uses the federal digital certificate service**
- **Requires digital certificates to do **business** with Provincial and Federal counterparts**
- **Needs to enable secure communication of messages or files between multiple parties**
- **Needs to ensure high assurance identity or strong authentication (two factor) of a user**



# DCS Current Status – Dale Land

## The Service infrastructure is operational

- Test and Production environments are available
- Client software and hardware tokens are available
- Administrative and Management processes are defined
- Operational support is in place



# DCS Project Status

- **Service Provisioning is in progress**
- **Training materials and usage agreements are in final draft**
- **Final testing of application and service environment in progress**
- **Completion of Service documentation in progress**
- **Development of Service pricing in progress**

# Next steps

**Sign agreement with Justice and migrate staff to DCS**

**Sign agreement with PrimeCorp and onboard to DCS**

- **Cross-certify with Federal Bridge**
- **Requires device certificates for smartcards**

**Plan with other Ministries using  
Federal services**

**Enable proof of concept development  
environment**



# The Future!

- Kick off a **DCS development program** to address future needs (e.g. Device Certificates, Smart Cards, SSL Certificates, etc.).
- Clients wishing to explore the use of digital certificates can engage OCIO-ISB-Security Operations through Proof of Concept or **pilot projects**



# Any Questions?

We have developed a  
Frequently Asked Questions (FAQ): [Link](#).

For any inquiries, email:  
[Digital Certificate Service MTIC:EX](mailto:Digital Certificate Service MTIC:EX)