



PKI in Practice

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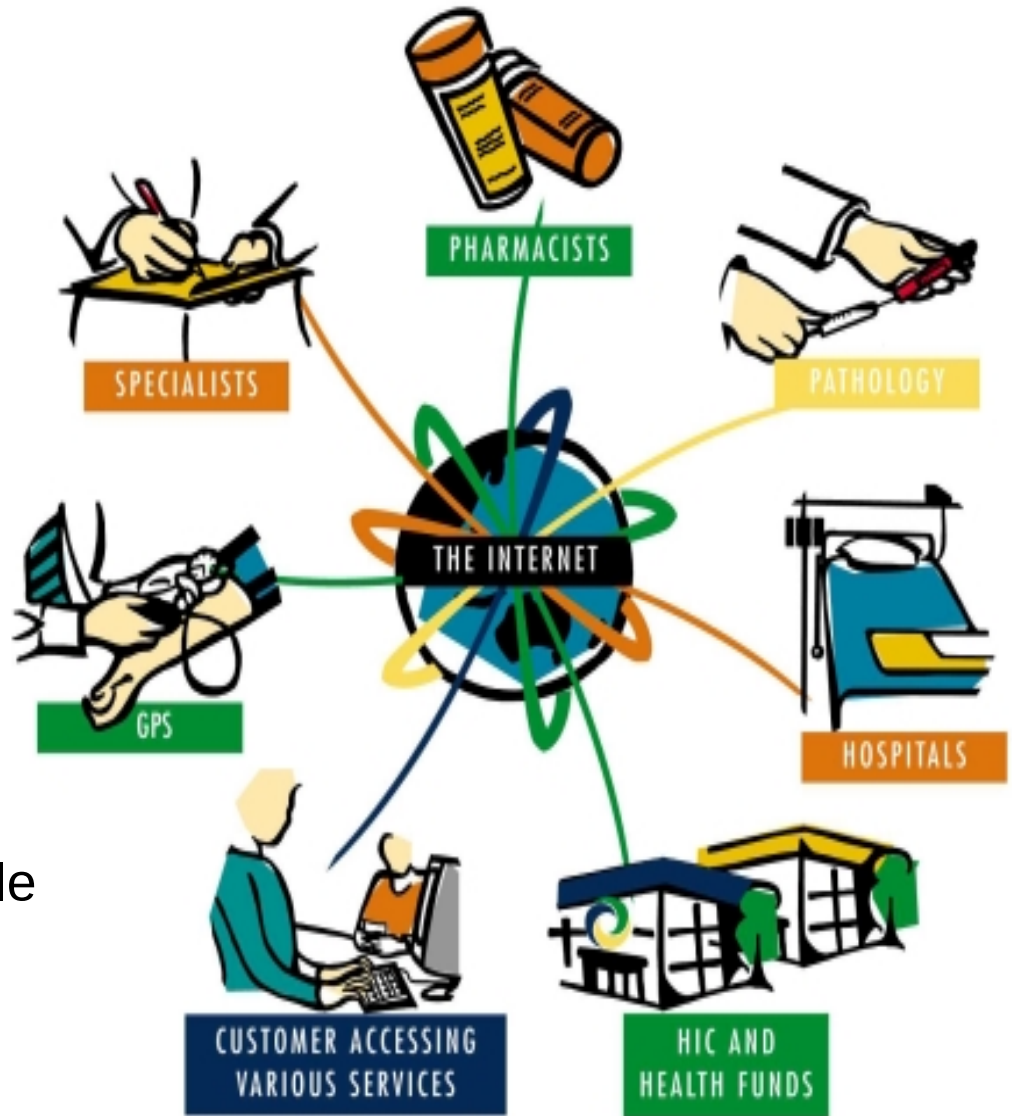
What is HIC PKI?

- 🔒 Public Key Infrastructure - or PKI - is a combination of procedures and technology providing security and confidentiality for electronic business
- 🔒 Provides the level of trust necessary for undertaking business electronically over the Internet
- 🔒 PKI provides high levels of encryption and “legal” electronic signatures on electronic documents



Why Connect the Health Sector - Health Online

- Data Quality
- Better health outcomes
- Right information available at the right time to the right person
- Cost savings



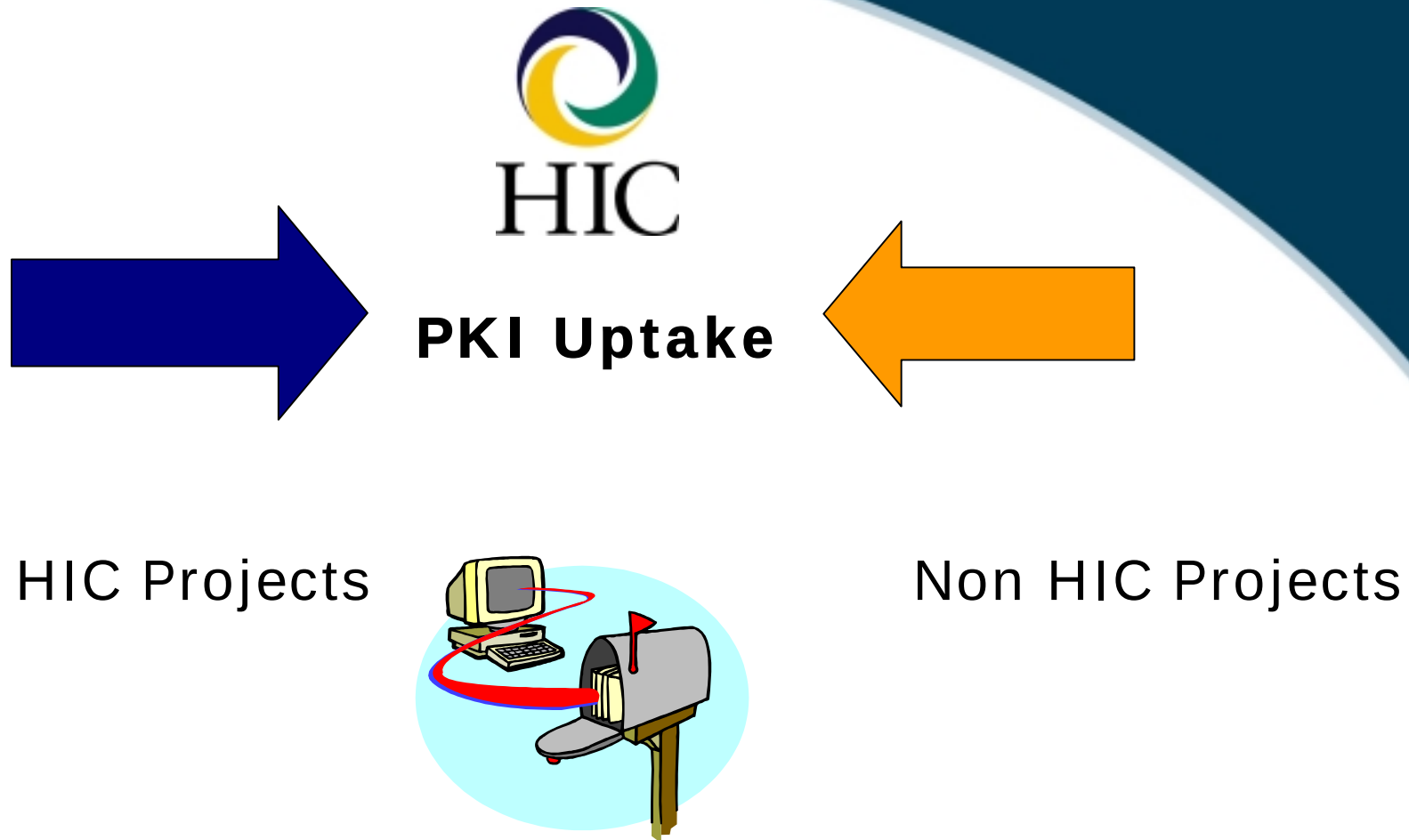
TOMORROW'S HEALTH SECTOR CONNECTIVITY

Why Should I use PKI

PKI

**GIVES USERS THE ABILITY TO COMMUNICATE
ELECTRONICALLY WITH TRUST & CONFIDENCE**

- 🔒 who sent the message (**authentication**);
- 🔒 the message content has not been altered in any way between sending and receiving (**integrity**);
- 🔒 the sender, at some later stage, cannot dispute who created and sent the message (**non-repudiation**); and
- 🔒 only the person the message is intended for can open it (**confidentiality**).



PKI enabled applications available through HIC:

- ▶ HIC Online for Medicare Claiming
- ▶ PBS Online for claim submissions and prescription assessment
- ▶ Access to the Organ Donor Register
- ▶ PBS-Authorities – enabling doctors to validate authority prescription online real-time
- ▶ Simplified Billing (Eclipse)
- ▶ Coordinated Care Trials

Australian Health Sector Projects using HIC PKI functionality

- Secure email transmission
- Secure access to information systems
- Secure transmission of referrals and reports
- Secure transmission of discharge summaries
- HealthConnect / MediConnect
- Argus - transmission of secure information
- Secure transmission of after-hours treatment information
- VIVAS - Qld
- SA Work Cover
- Medical reports for pilots for CASA
- Diabetes Register
- Radiology information exchange
- Victorian Primary Care Partnership



HIC eSignature SDK R4

- Released September 2003
- Contains eSignature V2.1(Windows)
- more features than eSignature API V1.06,
- no requirement for Java etc
- Ported to Linux & Mac OSX (Beta)



PKI Tech Support CD

- 🔒 Powerpoint presentations giving an overview of PKI
- 🔒 Preparing for PKI Installation Checklist
- 🔒 Procedures for configuring e-mail clients to use PKI
- 🔒 Answers to Frequently Asked Questions
- 🔒 Secure Token Driver installation tool
- 🔒 MailSecure plug-in utility
- 🔒 Links to Microsoft Updates



Mailsecure 4.1 for XP

- Plug-in for Outlook, Eudora, Lotus Notes
- For automated CRL checking and email associates other wise use native email
- MailSecure 3.1.1 available
(for Non Windows XP)



Thin Client Environment and tokens

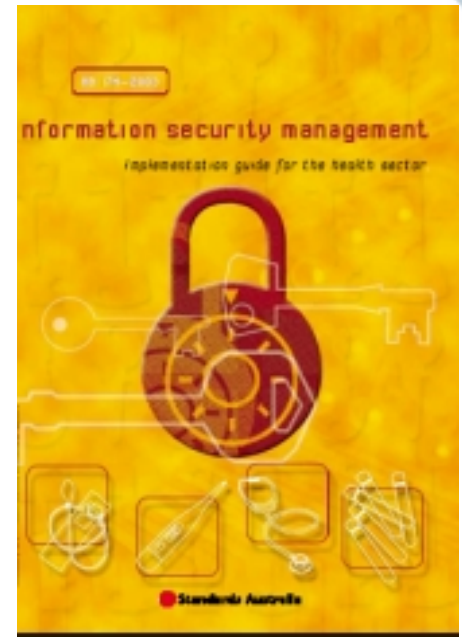
- Limitation of Microsoft Windows OS supporting hardware devices on client terminals
- **Current/Now**
 - Windows 2003 server - full remote device support
 - Windows 2000 server with Citrix now available (includes Wyse XP)

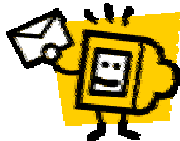
Thin Client - Gap

- Windows 2000 server - native (Terminal Services)
- NT server with or without Citrix



- ISO / TS 17090 – 1 Health Informatics Public Key Infrastructure Part 1: Framework and overview
- ISO / TS 17090 – 2 Health Informatics PKI Part 2: Certification profile
- ISO / TS 17090 – 3 Health Informatics PKI - Part 3: Policy management of certification authority
- HB 174 – Information Security Management Implementation Guide for the health sector





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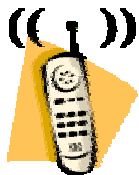
References



www.hic.gov.au/pki

www.hesa.com.au

www.govonline.gov.au (Gatekeeper)



PKI Customer Service Centre

24hours x 7 days

1300 660 035

Question Time