Trust in a dotcom world

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Outline

- **Context**
  - how much do we understand?
- **Challenges**
  - what should we be addressing?
A metaphor

- Enterprises as walled cities

Much of our understanding is built on this metaphor
Keeping out

• Or letting in?
Intranets begin to strain, so does our understanding.

Expansion

trade

empire
Complexity

Any-to-any
Marketplaces

Does a different topology help?
Portals

Does mediated access help?
Solutions

- Empire
  - VPN
  - firewalls
  - anti-virus
  - intrusion
  - authentication

- Trade
  - credentials
  - PKI
  - payment

Are we focusing in the right area?
Challenges

• So what issues should we be addressing?
• Claims (a view from HP labs)
  – focus on trade (rather than just empire)
    • key role of marketplaces and portals
  – integrate: end-to-end, top-to-bottom
  – package our understanding
Challenge - platforms

• Improve our foundations
  – trusted platforms
    • www.trustedpc.org
  – trusted OS
    • better separation of concerns
Challenge - passports

• How do we make certificates/credentials
  – pervasive?
  – inter-operable?
  – light-weight?
• Is this just about identity?
Challenge - P and P

Privacy

Policing, protection
Challenge - contracts

How do we integrate with business processes?

contract

bid and offers

service negotiation

contract enforcement
Challenge - global

Global interaction yet different social norms different laws

A cross-discipline, cross-border approach essential
CERIAS provides a forum in which such challenges can be shared, worked on collaboratively, insights gained and new paradigms established.

- So what are your challenges?