





# DNSSEC in .au

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# AusRegistry

- Located in Melbourne, Australia
  - Involved in Domain Name Industry since 1999
  - ICANN Accredited Registrar since 2000
  - .au Registry Operator since 2002
- Domain Name Registry Services
  - Registry Systems and Software Provider
  - Consultancy Services
  - Our software and consultancy services have been used by several other TLDs including some soon to be IDN enabled ccTLDs

# DNSSEC for Domain Name Registries

- Can be broken into two parts:
  - DNSSEC signing your zone(s)
  - Enabling Registrants to publish DS records in the zone(s)
- Proceeding independently of each other
- Both are required, to have a fully functional, useful implementation of DNSSEC in .au

# Current Work

# DNSSEC signing the .au, and the 2LD zones

- Experimentation & Research
- Key management
  - Tools
  - HSMs
- Key rollover policies
- Dynamic updating

# Enabling Registrants to publish DS records in the 2LD zone files

- Experimentation & Research
- IETF EPP DNSSEC Extensions
- Other Registrar Interface Effects
- Registry Portal
- Registrar Toolkits
- Sending DS records in dynamic updates

# Next Steps

## Plan from here...

- Complete research into HSMs
- Sign off from auDA on management policies
- Registrar education campaign(s)
- Government and ISP campaign(s)
- Public Education campaign(s)
- Publish signed version of zones on alternative servers (Q3 - 2009)
- Go-Live (Q4 - 2009)

# Quick Demo



