



Registry Data Escrow



TECHDAY!
6 December, 2010
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Agenda

- Iron Mountain – Proven & Trusted
- Registry Data Escrow – What, Where, When, Why, How
- Upcoming Developments In Registry Data Escrow
- Other Iron Mountain Solutions For Registries
- Questions

Iron Mountain: Trusted and Tested

RESOURCES

- 20,000+ employees
- 8 underground facilities
- 7 data centers
- 1047 facilities world wide
- 37 countries – 5 continents

INFORMATION PROTECTED

- 60M tapes – 3M PC's protected
- 18+ petabytes data protected and managed
- 20,000+ servers protected
- 9.1B+ emails protected
- gTLD Data Escrow Archive for > 900 Registries and Registrars

TECHNOLOGY LEADERSHIP

- Cloud leader
- 28 patents, >47 pending
- 140,000 clients
- 1st company to escrow Registry Data (2001), and Registrar Data (2007)

Registry Data Escrow Basics

WHAT is it?

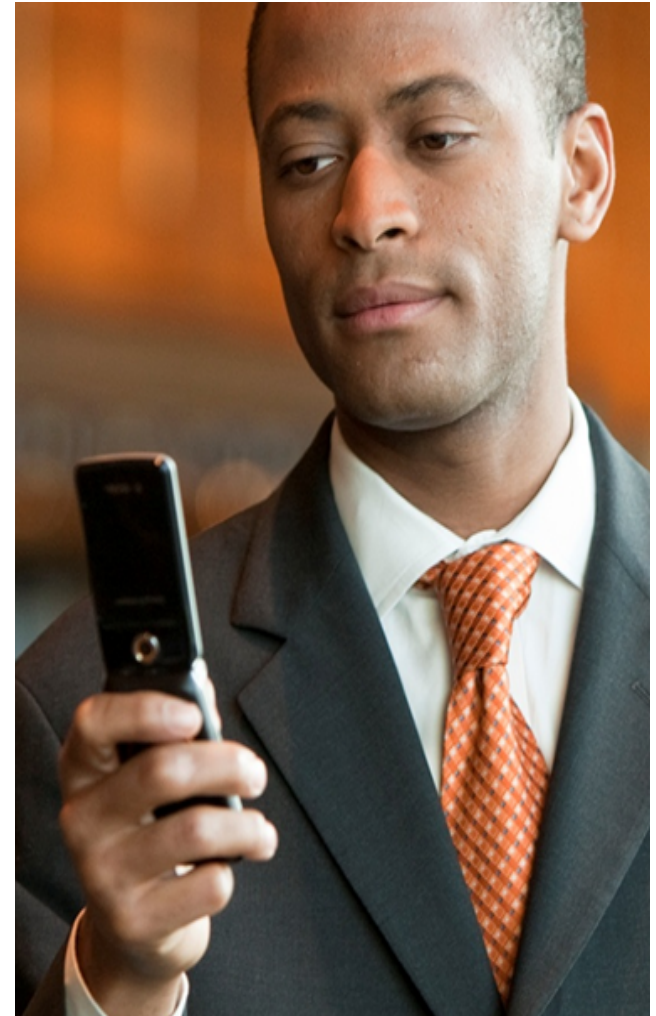
- Protection & storage of authoritative data associated with a domain name
- A trusted, neutral 3rd party holds WHOIS data in trust
- An ICANN & Industry best practice

WHY does it exist?

- To ensure domain name ownership is known in case of a registry's technical or business failure
- To comply with regulatory requirements

WHO escrows?

- gTLD Registrars
- gTLD Registries
- ccTLD Registries
- ccTLD Registrars??



Escrow Components

Three Party Contract

- Escrow Agent
- Registry (also called Depositor)
- Regulatory body (also called Beneficiary), Government, Governing Body, etc.

Registry Service Provider (*Optional*)



Escrow Agent's Role

Receive, Verify, Protect Deposited Data

- Weekly Full, Daily Incremental

Report to Beneficiary & Registry

Release Data to Beneficiary Under Specific Conditions

- Joint written instructions from Registry and Beneficiary
- Registry Agreement has expired or been terminated
- Court order
- Ceased business operations
- Unable to continue business in the ordinary course (Force Majeure)



What Data Gets Escrowed and How?

DATA

- Domain Name
- Contact Details for the Registered Name Holder
- Name Servers
- Expiry Date
- A Labels (in the case of IDNs)

FORMAT

- Per the Escrow Agreement
- Usually .CSV or .XML
- Compress & Encrypt

UPLOAD

- Weekly Full; Daily Incremental
- Via Secure FTP (sFTP)
- File is verified for format and completeness

Where Does My Data Go How Do I Know It's Safe?

It depends on the Escrow Agent

IRON MOUNTAIN

- Redundant underground 24x7 facilities located in US
 - Global Facilities Planned
 - Safe Harbor Compliant (EU Countries)
- Tape Backups in Fire Safe Vaults
- Enterprise Class sFTP & DMZ Environment
- Asymmetric Key Encryption
- Electronic measures (sFTP, encryption, etc.)
- Physical facilities meet high-security standards
- Processes developed from nearly 60 years protecting vital **records**



Why Escrow & How To Begin?

WHY?

- ✓ Solve Your Customers' Data Protection Concerns
- ✓ Ensures Registrant Data is Always Available in the Event of Registry Failure
- ✓ Secures Registrants Domain Name Ownership Rights
- ✓ Increases Registrant Loyalty Knowing you Provide Best-in-Class Protection
- ✓ Increase Consistency Across all TLDs

HOW?

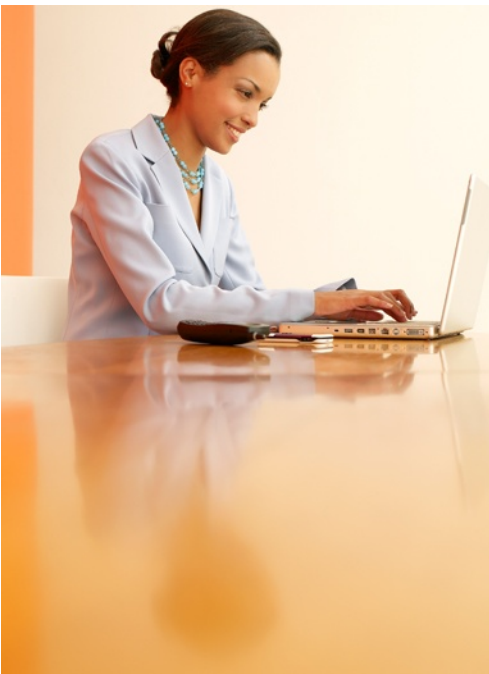
- ✓ Identify Beneficiary
- ✓ Select an Escrow Agent
- ✓ Execute 3 Party Contract
- ✓ Format Data
- ✓ Begin Submitting Escrow Deposits



Future Developments – Registry Data Escrow



- More ccTLDs Looking to Escrow
- Deposit Auditing
- New gTLD Specification and IETF
- IDNs
- DNSSEC



Thank You



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