Registry Data Escrow

TECHDAY!
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Frank Bruno
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

Frank Bruno
Mobile +1.678-849-8394
Office +1. 314-220-2345
Email frank.bruno@ironmountain.com