Agenda

1. Background and Status of Implementation
2. Consistent Labeling and Display of WHOIS Output for All gTLDs
3. Transition from Thin to Thick for .COM, .NET and .JOBS

- 5 min
- 15 min
- 40 min
Background and Status of Implementation
Background

  http://gnso.icann.org/en/group-activities/active/thick-WHOIS

- Policy recommendations adopted by the ICANN Board (Feb. 2014)
  http://www.icann.org/en/groups/board/documents/resolutions-07feb14-en.htm#2.c

- Two expected outcomes (policy recommendation #1)
  - Transition from thin to thick WHOIS for .COM, .NET and .JOBS
  - Consistent labeling and display for all gTLDs per Spec 3 RAA 2013

- Decoupling of implementation of the two outcomes in line with implementation considerations in PDP WG Final Report
1. The provision of thick WHOIS services, with a consistent labeling and display as per the model outlined in specification 3 of the 2013 RAA, should become a requirement for all gTLD registries, both existing and future.

2. Consideration of input provided in Public Comments before Board Resolution.

3. As part of the implementation process, a legal review of law applicable to the transition of data from a thin to thick model that has not already been considered in the EWG memo is undertaken.

Outcomes:
- Consistent labeling and display of WHOIS output for all gTLDs as per Spec 3 of 2013 RAA.
- Transition from thin to thick for .COM, .NET and .JOBS.
Milestones and Recent Activities

Transition from Thin to Thick WHOIS for .COM, .NET, .JOBS

- **Jun. 2015**: Release of Legal Review Memo (Policy Rec. #3)
- **Aug. 2015**: Initial discussion of implementation details with IRT
- **Oct. 2015 – Feb. 2016**: Discussion of implementation challenges, exploration of a gradual implementation path
- **Feb. 2016**: Scoping paper for analysis of existing registrations by Registrars

Consistent Labeling and Display of WHOIS Output for all gTLDs

- **Nov. 2014**: Impact assessment
- **Feb. 2015**: Revised impact assessment (incl. IRT feedback)
- **Jun. 2015**: Proposed reliance on RDAP for implementation of CL&D
- **Oct. 2015**: Release of draft consensus policy language for discussion
- **Dec. 2015 – Mar. 2016**: Public Comment period on proposed Consensus Policy language
Consistent Labeling and Display of WHOIS Output for All gTLDs
1. The provision of thick Registration Data Directory Services (RDDS) is required for all generic Top-Level Domain (gTLD) registries, that is the collection and display by the registry of all data associated with both the registrant of a domain name and the domain registration itself.

2. The labeling and display of all gTLD registries web-based RDDS output, must be consistent with:
   - Specification 3 of the 2013 Registrar Accreditation Agreement (RAA)
   - Advisory: Clarifications to the New gTLD Registry Agreement, Specification 4; and the 2013 Registrar Accreditation Agreement (RAA), Registration Data Directory Service (WHOIS) Specification, in particular:
     • Section I and Section II in their entirety
     • Section III, Clarifications 50, 51, and 52

3. The implementation of an RDAP service in accordance with the "RDAP Operational Profile for gTLD Registries and Registrars" is required for all gTLD registries in order to achieve consistent labeling and display in the replacement for (port-43) WHOIS
Example: Impact on New gTLD Registries RDDS (1)

<table>
<thead>
<tr>
<th>Currently</th>
<th>After Implementation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domain Name: EXAMPLE.TLD</td>
<td>Domain Name: EXAMPLE.TLD</td>
</tr>
<tr>
<td>Domain ID: D1234567-TLD</td>
<td>Registry Domain ID: D1234567-TLD</td>
</tr>
<tr>
<td>WHOIS Server: WHOIS.example.tld</td>
<td>Registrar WHOIS Server: WHOIS.example-registrar.tld</td>
</tr>
<tr>
<td>Referral URL: <a href="http://www.example.tld">http://www.example.tld</a></td>
<td>Registrar URL: <a href="http://www.example-registrar.tld">http://www.example-registrar.tld</a></td>
</tr>
<tr>
<td>Updated Date: 2009-05-29T20:13:00Z</td>
<td>Updated Date: 2009-05-29T20:13:00Z</td>
</tr>
<tr>
<td>Creation Date: 2000-10-08T00:45:00Z</td>
<td>Creation Date: 2000-10-08T00:45:00Z</td>
</tr>
<tr>
<td>Registry Expiry Date: 2010-10-08T00:44:59Z</td>
<td>Registry Expiry Date: 2010-10-08T00:44:59Z</td>
</tr>
<tr>
<td>Registrar Registration Expiration Date: 2010-10-08T00:44:59Z</td>
<td>Registrar Registration Expiration Date: 2010-10-08T00:44:59Z</td>
</tr>
<tr>
<td>Sponsoring Registrar: EXAMPLE REGISTRAR LLC</td>
<td>Registrar: EXAMPLE REGISTRAR LLC</td>
</tr>
<tr>
<td>Sponsor Registrant IANA ID: 5555555</td>
<td>Registrar IANA ID: 5555555</td>
</tr>
<tr>
<td>Registrar Abuse Contact Email: <a href="mailto:email@registrar.tld">email@registrar.tld</a></td>
<td>Registrar Abuse Contact Email: <a href="mailto:email@registrar.tld">email@registrar.tld</a></td>
</tr>
<tr>
<td>Registrar Abuse Contact Phone: +1.12355551234</td>
<td>Registrar Abuse Contact Phone: +1.12355551234</td>
</tr>
<tr>
<td>Reseller: EXAMPLE RESELLER1</td>
<td>Reseller: EXAMPLE RESELLER1</td>
</tr>
<tr>
<td>Domain Status: clientDeleteProhibited</td>
<td>Domain Status: clientDeleteProhibited</td>
</tr>
<tr>
<td>Domain Status: clientRenewProhibited</td>
<td>Domain Status: clientRenewProhibited</td>
</tr>
<tr>
<td>Domain Status: clientTransferProhibited</td>
<td>Domain Status: clientTransferProhibited</td>
</tr>
<tr>
<td>Domain Status: serverUpdateProhibited</td>
<td>Domain Status: serverUpdateProhibited</td>
</tr>
<tr>
<td>Registrant ID: 5372808-ERL</td>
<td>Registry Registrant ID: 5372808-ERL</td>
</tr>
<tr>
<td>Registrant Name: EXAMPLE REGISTRANT</td>
<td>Registrant Name: EXAMPLE REGISTRANT</td>
</tr>
<tr>
<td>Registrant Organization: EXAMPLE ORGANIZATION</td>
<td>Registrant Organization: EXAMPLE ORGANIZATION</td>
</tr>
<tr>
<td>Registrant Street: 123 EXAMPLE STREET</td>
<td>Registrant Street: 123 EXAMPLE STREET</td>
</tr>
<tr>
<td>Registrant City: ANYTOWN</td>
<td>Registrant City: ANYTOWN</td>
</tr>
<tr>
<td>Registrant State/Province: AP</td>
<td>Registrant State/Province: AP</td>
</tr>
<tr>
<td>Registrant Postal Code: A1A1A1</td>
<td>Registrant Postal Code: A1A1A1</td>
</tr>
<tr>
<td>Registrant Country: EX</td>
<td>Registrant Country: EX</td>
</tr>
<tr>
<td>Registrant Phone: +1.55555551212</td>
<td>Registrant Phone: +1.55555551212</td>
</tr>
<tr>
<td>Registrant Phone Ext: 1234</td>
<td>Registrant Phone Ext: 1234</td>
</tr>
<tr>
<td>Registrant Fax: +1.55555551213</td>
<td>Registrant Fax: +1.55555551213</td>
</tr>
<tr>
<td>Registrant Fax Ext: 4321</td>
<td>Registrant Fax Ext: 4321</td>
</tr>
<tr>
<td>Registrant Email: <a href="mailto:EMAIL@EXAMPLE.TLD">EMAIL@EXAMPLE.TLD</a></td>
<td>Registrant Email: <a href="mailto:EMAIL@EXAMPLE.TLD">EMAIL@EXAMPLE.TLD</a></td>
</tr>
</tbody>
</table>
### Example: Impact on New gTLD Registries RDDS (2)

<table>
<thead>
<tr>
<th>Currently</th>
<th>After Implementation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admin ID: 5372809-ERL</td>
<td>Registry Admin ID: 5372809-ERL</td>
</tr>
<tr>
<td>Admin Name: EXAMPLE REGISTRANT ADMINISTRATIVE</td>
<td>Admin Name: EXAMPLE REGISTRANT ADMINISTRATIVE</td>
</tr>
<tr>
<td>Admin Organization: EXAMPLE REGISTRANT ORGANIZATION</td>
<td>Admin Organization: EXAMPLE REGISTRANT ORGANIZATION</td>
</tr>
<tr>
<td>Admin Street: 123 EXAMPLE STREET</td>
<td>Admin Street: 123 EXAMPLE STREET</td>
</tr>
<tr>
<td>Admin City: ANYTOWN</td>
<td>Admin City: ANYTOWN</td>
</tr>
<tr>
<td>Admin State/Province: AP</td>
<td>Admin State/Province: AP</td>
</tr>
<tr>
<td>Admin Postal Code: A1A1A1</td>
<td>Admin Postal Code: A1A1A1</td>
</tr>
<tr>
<td>Admin Country: EX</td>
<td>Admin Country: AA</td>
</tr>
<tr>
<td>Admin Phone: +1.5555551212</td>
<td>Admin Phone: +1.5555551212</td>
</tr>
<tr>
<td>Admin Phone Ext: 1234</td>
<td>Admin Phone Ext: 1234</td>
</tr>
<tr>
<td>Admin Fax: +1.5555551213</td>
<td>Admin Fax: +1.5555551213</td>
</tr>
<tr>
<td>Admin Fax Ext:</td>
<td>Admin Fax Ext:</td>
</tr>
<tr>
<td>Admin Email: <a href="mailto:EMAIL@EXAMPLE.TLD">EMAIL@EXAMPLE.TLD</a></td>
<td>Admin Email: <a href="mailto:EMAIL@EXAMPLE.TLD">EMAIL@EXAMPLE.TLD</a></td>
</tr>
<tr>
<td>Tech ID: 5372811-ERL</td>
<td>Registry Tech ID: 5372811-ERL</td>
</tr>
<tr>
<td>Tech Name: EXAMPLE REGISTRAR TECHNICAL</td>
<td>Tech Name: EXAMPLE REGISTRAR TECHNICAL</td>
</tr>
<tr>
<td>Tech Organization: EXAMPLE REGISTRAR LLC</td>
<td>Tech Organization: EXAMPLE REGISTRAR LLC</td>
</tr>
<tr>
<td>Tech Street: 123 EXAMPLE STREET</td>
<td>Tech Street: 123 EXAMPLE STREET</td>
</tr>
<tr>
<td>Tech City: ANYTOWN</td>
<td>Tech City: ANYTOWN</td>
</tr>
<tr>
<td>Tech State/Province: AP</td>
<td>Tech State/Province: AP</td>
</tr>
<tr>
<td>Tech Postal Code: A1A1A1</td>
<td>Tech Postal Code: A1A1A1</td>
</tr>
<tr>
<td>Tech Country: EX</td>
<td>Tech Country: AA</td>
</tr>
<tr>
<td>Tech Phone: +1.1235551234</td>
<td>Tech Phone: +1.1235551234</td>
</tr>
<tr>
<td>Tech Phone Ext: 1234</td>
<td>Tech Phone Ext: 1234</td>
</tr>
<tr>
<td>Tech Fax: +1.5555551213</td>
<td>Tech Fax: +1.5555551213</td>
</tr>
<tr>
<td>Tech Fax Ext: 93</td>
<td>Tech Fax Ext: 93</td>
</tr>
<tr>
<td>Tech Email: <a href="mailto:EMAIL@EXAMPLE.TLD">EMAIL@EXAMPLE.TLD</a></td>
<td>Tech Email: <a href="mailto:EMAIL@EXAMPLE.TLD">EMAIL@EXAMPLE.TLD</a></td>
</tr>
<tr>
<td>Name Server: NS01.EXAMPLEREGISTRAR.TLD</td>
<td>Name Server: NS01.EXAMPLEREGISTRAR.TLD</td>
</tr>
<tr>
<td>Name Server: NS02.EXAMPLEREGISTRAR.TLD</td>
<td>Name Server: NS02.EXAMPLEREGISTRAR.TLD</td>
</tr>
<tr>
<td>DNSSEC: signedDelegation</td>
<td>DNSSEC: signedDelegation</td>
</tr>
<tr>
<td>DNSSEC: unsigned</td>
<td>DNSSEC: unsigned</td>
</tr>
</tbody>
</table>


>>> Last update of WHOIS database: 2009-05-29T20:15:00Z <<<
Proposed Phased Implementation - Updated

Phase 1
Effective Date: [minimum 6 months from publishing of Consensus Policy]
All gTLDs, excluding .COM, .NET and .JOBS, are required to display a Registration Data Directory Services (RDDS) output compliant with this Consensus Policy, with the exception of Registrar Registration Expiration Date and Reseller information.

Phase 2
Effective Date: [180 days after publication at the IETF of the relevant EPP Extensions]
All gTLDs, excluding .COM, .NET and .JOBS, are required to display a Registration Data Directory Services (RDDS) output fully compliant with this Consensus Policy.

Phase 3
Effective Date: [Minimum 12 months from public of Consensus Policy]
All gTLDs, including .COM, .NET and .JOBS, are required to provide a thick Registration Data Directory Services (RDDS) fully compliant with this Consensus Policy.
Community Input to date

- **Registry and Registrar Expiration Dates**
  - Displaying Registrar Registration Expiration Date in registries RDDS output may create confusion/concerns among registrants and users
  - Concerns with cost/benefit of implementation

- **Interpretation of CL&D Policy Recommendation**
  - New fields in RDDS output seen as not aligned with policy
  - Consistency of RDDS output deemed achieved already through the Whois Clarification Advisory
  - Registry concerns with contractual reference to advisory and RAA

- **Relation of CL&D Implementation with Technical Standards**
  - Reliance on RDAP Operational Profile seen as premature and out of scope
  - EPP extensions should be defined prior to setting implementation timeline

- **Time Taken to Implement**
  - Concern with pace of implementation
  - Concern that implementation of CL&D is delaying the transition
Reminder of Rationale for CL&D Proposal

- **Benefits of Displaying Additional Fields in Registries RDDS Output**
  - Response consistency
  - Accessibility of registration data

- **Interpretation of CL&D Policy Recommendation**
  - Staff proposed that “consistent labeling and display” be understood as requiring the consistent display of all the required RDDS output fields (Revised Impact Assessment, Feb. 2015)

- **Synchronization of CL&D and RDAP**
  - Avoiding duplication of effort in terms of systems development
  - RDAP Op. Profile seen as an opportunity to further the consistency of RDDS outputs
  - Implementation of RDAP to serve as basis for Web RDDS output
Next Steps

 Further Discussion

  - RDAP Session, Monday 7 March 2016 13:30-14:45 UTC, in Toubkal

  - Public Comment Period
    Closing on 18 March 2016
    Summary & analysis of Public Comment due by 1 April 2016

 Finalization of Consensus Policy Language

  - April-June 2016:
    - Staff and IRT to discuss Public Comments summary & analysis
    - Revision of proposed Consensus Policy as appropriate

  - 31 July 2016: Target date for publication of CL&D Consensus Policy
Current Timeline Assumptions

- RDAP Operational Profile shared with contracted parties for input
  - Public Comments
    - Legal Notices
  - Implementation of RDAP by Registries and Registrars

- Draft Policy Language
  - Public Comments
  - Policy Effective Date Announcement

- Thick WHOIS Consistent Labeling & Display
  - CL&D Low Impact Implementation (Phase 1)
  - CL&D EPP Extension Development
    - CL&D High Impact Impl. (Phase 2)
Transition from thin to thick for .COM, .NET and .JOBS
Implementation Path under Discussion

- 2 parallel tracks, each with their own timeline:
  - New registrations (created after Policy Effective Date)
  - Existing registrations

Open items relevant to both tracks:

- **Contact Address & Phone fields requirements in .COM/.NET (when thick)**
  - Topic raised on mailing list, discussed by IRT in 11 Feb. meeting
  - Not required in current Registry Operator proposal
  - Would be required as a consequence of CL&D

- **Billing Contact requirement in .COM/.NET/.JOBS (when thick)**
  - Topic raised on the mailing list, not discussed by IRT members yet
  - Would not be required as a consequence of CL&D
Transition of New Registrations

Milestones Proposal:

- Finalization of thick WHOIS Policy
- Registries to make system changes
- Registrar notification of changes
- Introduction of optional thick (contact support) in OT&E
- Introduction of optional thick (contact support) in production
- Registrar notification/transition period
- Cutover to required thick (contacts) for new registrations in OT&E
- Cutover to required thick (contacts) for new registrations in production

Recent Discussion of Timeline by IRT members:

- 12 months minimum from introduction of optional OT&E to cutover
  + Additional time depending on specifics of registry systems changes and other implementation details
- Need for a firm date of implementation
Transition of New Registrations

Next Steps

- Registries to provide overview of system changes
  Proposed target: April 2016

- Registries and registrars to agree on detailed timeline
  Proposed target: May 2016
Transition of Existing Registrations

Analysis of Existing Data (Scoping Paper)

- **Objective**
  - Identify and quantify challenges with transitioning of registration data
  - Inform the definition of the implementation plan in terms of:
    - Requirements
    - Timeline to completion of transition
    - Supporting measures as needed

- **Scope**
  - 10-20 registrars managing amounts of .COM, .NET and .JOBS registrations
  - Testing representative data samples against the registries’ systems requirements and all applicable contractual provisions

- **Findings to determine types and prevalence of potential challenges** such as:
  - Missing data
  - Incompatible data format
  - Incomplete data
  - Inability to contact registrant based on current data record
Transition of Existing Registrations

Next Steps and Expected Timeline

- Discussion of the analysis with registrars during ICANN 55 Registrar Stakeholder Group Meeting
  Tuesday 8 March 2016 at 11:00 UTC in

- Clarification of scope and Terms of Reference: 18 March 2016
- Deadline for recruitment of volunteer registrars: 1 April 2016
- Sharing of initial findings among volunteers: 20 April 2016
- Discussion of findings and conclusions: 12 May 2016
- Final Data Analysis Report: 2 June 2016

- Development of Implementation Plan: June/July 2016
Current Timeline Assumptions

- **ICANN 54**
  - RDAP Operational Profile shared with contracted parties for input
  - Public Comments
  - Legal Notices

- **ICANN 55 (A)**
  - Draft Policy Language
  - Public Comments

- **ICANN 56 (B)**
  - Policy Effective Date Announcement

- **ICANN 57 (C)**
  - Implementation of RDAP by Registries and Registrars

- **ICANN 58 (A)**
  - CL&D Low Impact Implementation (Phase 1)
  - CL&D EPP Extension Development

- **ICANN 59 (B)**
  - CL&D High Impact Impl. (Phase 2)

- **ICANN 60 (C)**
  - Transition from thin to thick for .COM, .NET & .JOBS
  - Design of implementation Plan (with Experts From Affected Parties)

- **ICANN 59 (A)**
  - Data Analysis (Existing Registrations)
  - Public Comments

- **ICANN 58 (B)**
  - Policy Effective Date Announcement

- **ICANN 57 (C)**
  - Implementation of Transition by Affected Parties
Thank You and Questions
Reach us at:
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gplus.to/icann
facebook.com/icannorg
weibo.com/ICANNorg
linkedin.com/company/icann
flickr.com/photos/icann
youtube.com/user/icannnews
slideshare.net/icannpresentations