

Internet Engineering Task Force
Internet-Draft
Intended status: Best Current Practice
Expires: April 15, 2020

T. Sattler, Editor

October 15, 2019

Domain Inventory Report
draft-sattler-domain-inventory-report-04

Abstract

This document describes the content of a Domain Inventory Report based on the Report structure and delivered by the Reporting Repository.

Status of This Memo

This Internet-Draft is submitted in full conformance with the provisions of [BCP 78](#) and [BCP 79](#).

Internet-Drafts are working documents of the Internet Engineering Task Force (IETF). Note that other groups may also distribute working documents as Internet-Drafts. The list of current Internet-Drafts is at <https://datatracker.ietf.org/drafts/current/>.

Internet-Drafts are draft documents valid for a maximum of six months and may be updated, replaced, or obsoleted by other documents at any time. It is inappropriate to use Internet-Drafts as reference material or to cite them other than as "work in progress".

This Internet-Draft will expire on April 15, 2020.

Copyright Notice

Copyright (c) 2019 IETF Trust and the persons identified as the document authors. All rights reserved.

This document is subject to [BCP 78](#) and the IETF Trust's Legal Provisions Relating to IETF Documents (<https://trustee.ietf.org/license-info>) in effect on the date of publication of this document. Please review these documents carefully, as they describe your rights and restrictions with respect to this document. Code Components extracted from this document must include Simplified BSD License text as described in Section 4.e of the Trust Legal Provisions and are provided without warranty as described in the Simplified BSD License.

Table of Contents

- [1. Introduction](#) [2](#)
- [2. Terminology and Definitions](#) [2](#)
 - [2.1. Internationalized Domain Names](#) [3](#)
 - [2.2. Character Encoding](#) [3](#)
 - [2.3. Dates and Times](#) [3](#)
- [3. Report Headings](#) [3](#)
- [4. Unique ID](#) [3](#)
- [5. Examples](#) [3](#)
 - [5.1. Single TLD File Example](#) [3](#)
 - [5.2. Multiple TLDs File Example](#) [4](#)
- [6. IANA Considerations](#) [4](#)
- [7. Security Considerations](#) [4](#)
- [8. Implementation Status](#) [4](#)
 - [8.1. united-domains Reselling](#) [4](#)
- [9. References](#) [5](#)
 - [9.1. Normative References](#) [5](#)
 - [9.2. Informative References](#) [5](#)
- [Appendix A. Change History](#) [6](#)
 - [A.1. Change from 00 to DOMAININV 00](#) [6](#)
 - [A.2. Change from DOMAININV 00 to DOMAININV 01](#) [6](#)
 - [A.3. Change from DOMAININV 01 to DOMAININV 02](#) [6](#)
 - [A.4. Change from DOMAININV 02 to DOMAININV 03](#) [6](#)
 - [A.5. Change from DOMAININV 03 to DOMAININV 04](#) [6](#)
- [Appendix B. Acknowledgements](#) [6](#)
- [Author's Address](#) [6](#)

1. Introduction

Modern top-level domain registries provide many detailed reports and documents that their registrars require on a daily, weekly and monthly basis. These most commonly include transaction reports, as well as lists containing currently unavailable domains and current premium domain fees. These reports are critical for registrars' businesses and play an important role in accounting and operations processes as well as in sales and marketing activities. In the current set-up, registrars must download these reports from each registry's intranet differently according to each registry's document management set up.

A domain inventory comparison between the domains that are on an accreditation/account and the domain names that a registrar/reseller has in its system is therefore useful.

This document describes the content of a Domain Inventory Report based on the [[I-D.mcpherson-sattler-report-structure](#)] and delivered by the [[I-D.mcpherson-sattler-reporting-repository](#)].

2. Terminology and Definitions

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in [[RFC2119](#)] when specified in their uppercase forms.

Sattler

Expires April 15, 2020

[Page 2]

[2.1.](#) Internationalized Domain Names

MUST be as defined in [\[I-D.mcpherson-sattler-report-structure\]](#).

[2.2.](#) Character Encoding

MUST be as defined in [\[I-D.mcpherson-sattler-report-structure\]](#).

[2.3.](#) Dates and Times

MUST be as defined in [\[I-D.mcpherson-sattler-report-structure\]](#).

[3.](#) Report Headings

The first row MUST be the column headings in the following order:

TLD	It MUST contain the top-level domain name and formatted according to section 2.1 of this document.
DOMAIN	It MUST contain the domain name formatted according to section 2.1 of this document.
UPDATED	It MUST contain the date and time of the most recent domain-object modification. If the domain object has never been modified, then the date and time of domain-object creation have to be used. Formatting in both cases according to section 2.3 of this document.
ID	It MUST contain a unique ID according to section 4 of this document.

[4.](#) Unique ID

A unique ID MUST either be according to the IANA registrar IDs (<https://www.iana.org/assignments/registrar-ids/registrar-ids.xhtml>) where applicable or another unique registrar or reseller ID MUST be used.

[5.](#) Examples

[5.1.](#) Single TLD File Example

This is an example of a domain inventory report for a single top-level domain .example.

Filename: example_domain-inventory_2018-11-01.csv.gz

Sattler

Expires April 15, 2020

[Page 3]

```
TLD, DOMAIN, UPDATED, ID
example, test1.example, 2018-12-30T07:00:00Z, 1
example, test2.example, 2018-12-30T09:00:15Z, 1
example, test3.example, 2018-12-31T09:03:22Z, 1
example, xn--4gqvdy3r.example, 2018-12-31T10:18:56Z, 1
```

5.2. Multiple TLDs File Example

This is an example of a domain inventory report for multiple top-level domains from example registry.

Filename: example-registry_domain-inventory_2018-11.csv.gz

```
TLD, DOMAIN, UPDATED, ID
example1, test1.example1, 2018-12-30T07:00:00Z, 1
example2, test1.example2, 2018-12-30T09:00:15Z, 1
example3, test2.example3, 2018-12-31T09:03:22Z, 1
xn--zckzah, xn--r8jz45g.xn--zckzah, 2018-12-31T10:18:56Z, 1
```

6. IANA Considerations

This document has no IANA actions.

7. Security Considerations

The Domain Inventory Report described in this document does not provide any security services.

8. Implementation Status

Note to RFC Editor: Please remove this section and the reference to [\[RFC7942\]](#) before publication.

This section records the status of known implementations of the protocol defined by this specification at the time of posting of this Internet-Draft, and is based on a proposal described in [\[RFC7942\]](#). The description of implementations in this section is intended to assist the IETF in its decision processes in progressing drafts to RFCs. Please note that the listing of any individual implementation here does not imply endorsement by the IETF. Furthermore, no effort has been spent to verify the information presented here that was supplied by IETF contributors. This is not intended as, and must not be construed to be, a catalog of available implementations or their features. Readers are advised to note that other implementations may exist.

According to [\[RFC7942\]](#), "this will allow reviewers and working groups to assign due consideration to documents that have the benefit of running code, which may serve as evidence of valuable experimentation and feedback that have made the implemented protocols more mature. It

is up to the individual working groups to use this information as they see fit".

Sattler

Expires April 15, 2020

[Page 4]

8.1. united-domains Reselling

Organization: united-domains Reselling GmbH

Name: Reseller Reporting System

Description: Domain Reseller Platform

Level of maturity: Deployed in production.

Version compatibility: Version DOMAININV 03 is implemented.

Coverage: All aspects of this document are implemented.

Licensing: Proprietary In-House software

Contact: Tim Ettel <ettel@ud-reselling.com>

URL: <https://www.ud-reselling.com/en/>

9. References

9.1. Normative References

- [I-D.mcpherson-sattler-report-structure]
McPherson, N. and Sattler, T., "Report Structure",
<<https://datatracker.ietf.org/doc/draft-mcpherson-sattler-report-structure/>> (work in progress), January 2019
- [RFC2119] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", [BCP 14](#), [RFC 2119](#), March 1997,
<<https://www.rfc-editor.org/info/rfc2119>>.

9.2. Informative References

- [I-D.mcpherson-sattler-reporting-repository]
McPherson, N. and Sattler, T., "Reporting Repository",
<<https://datatracker.ietf.org/doc/draft-mcpherson-sattler-reporting-repository/>> (work in progress), January 2019
- [RFC7942] Sheffer, Y. and Farrel, A., "Improving Awareness of Running Code: The Implementation Status Section", [RFC 7942](#), July 2016,
<<https://www.rfc-editor.org/info/rfc7942>>.

Appendix A. Change History

A.1. Change from 00 to DOMAININV 00

Changed draft name. Registrar ID renamed to Unique ID to make the report available to resellers as well.

A.2. Change from DOMAININV 00 to DOMAININV 01

Editorial changes. Added column UPDATED. Clarified Unique ID.

A.3. Change from DOMAININV 01 to DOMAININV 02

Editorial changes.

A.4. Change from DOMAININV 02 to DOMAININV 03

Added implementation reference. Added acknowledgement.

A.5. Change from DOMAININV 03 to DOMAININV 04

Editorial changes.

Appendix B. Acknowledgements

The author wishes to thank the following persons for their feedback and suggestions (sorted alphabetically by company):

- o Neal McPherson, 1&1 IONOS
- o Tim Ettel, united-domains

Author's Address

Tobias Sattler

Email: tobias.sattler@me.com

URI: <https://tobiassattler.com>