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DRIP Information Agent (DIA) RDAP Interface

Abstract

This document defines the RDAP interface behaviors for clients to lookup information from a DRIP Information Agent (DIA).

Status of This Memo

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1. Introduction

The DIA is one of the required components in a DIME for it to fulfill the role of lookup of additional information around DRIP Entity Tags (DETs). A standardized interface is needed for this to avoid interoperability issues between vendors supporting DRIP and the various logical components of the DIME.

Per [[drip-detim](#)] the DIA MUST use:

Registration Data Access Protocol (RDAP) ([[RFC7480](#)], [[RFC9082](#)] and [[RFC9083](#)]) as the selected protocol to provide policy driven differentiated access for queries of information.

This document is the definition of this interface and its behavior; specifically between the DIA and client looking up information using the DET as a key. A snapshot of the OpenAPI specification is in [Appendix A](#) at the time of this documents publishing; with a URI to access an updated specification.

2. Terminology

2.1. Required Terminology

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "NOT RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in BCP 14 [[RFC2119](#)] [[RFC8174](#)] when, and only when, they appear in all capitals, as shown here.

3. References

3.1. Normative References

[[drip-detim](#)] Wiethuechter, A., Card, S. W., Moskowitz, R., and J. Reid, "DRIP Entity Tag (DET) Identity Management Architecture", Work in Progress, Internet-Draft, draft-wiethuechter-drip-detim-arch-00, 27 September 2022, <<https://www.ietf.org/archive/id/draft-wiethuechter-drip-detim-arch-00.txt>>.

[[RFC2119](#)] Bradner, S., "Key words for use in RFCs to Indicate Requirement Levels", BCP 14, RFC 2119, DOI 10.17487/RFC2119, March 1997, <<https://www.rfc-editor.org/info/rfc2119>>.

[RFC8174]

Leiba, B., "Ambiguity of Uppercase vs Lowercase in RFC 2119 Key Words", BCP 14, RFC 8174, DOI 10.17487/RFC8174, May 2017, <<https://www.rfc-editor.org/info/rfc8174>>.

[RFC9153]

Card, S., Ed., Wiethuechter, A., Moskowitz, R., and A. Gurtov, "Drone Remote Identification Protocol (DRIP) Requirements and Terminology", RFC 9153, DOI 10.17487/RFC9153, February 2022, <<https://www.rfc-editor.org/info/rfc9153>>.

3.2. Informative References

[RFC7480]

Newton, A., Ellacott, B., and N. Kong, "HTTP Usage in the Registration Data Access Protocol (RDAP)", STD 95, RFC 7480, DOI 10.17487/RFC7480, March 2015, <<https://www.rfc-editor.org/info/rfc7480>>.

[RFC9082]

Hollenbeck, S. and A. Newton, "Registration Data Access Protocol (RDAP) Query Format", STD 95, RFC 9082, DOI 10.17487/RFC9082, June 2021, <<https://www.rfc-editor.org/info/rfc9082>>.

[RFC9083]

Hollenbeck, S. and A. Newton, "JSON Responses for the Registration Data Access Protocol (RDAP)", STD 95, RFC 9083, DOI 10.17487/RFC9083, June 2021, <<https://www.rfc-editor.org/info/rfc9083>>.

Appendix A. OpenAPI Specification

TODO

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