RDAP Database Design

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## Database Diagram



## Table Details

### Table: RDAP\_AUTNUM

Comment: Represent Autonomous System Number (autnum).

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | AS\_ID | unique |  |
| IDX\_AS\_END\_AUTNUM | END\_AUTNUM, START\_AUTNUM |  |  |
| UK\_AS\_HANDLE | HANDLE | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **AS\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| HANDLE | varchar(100) | No |  |  | Registry-unique identifiers of a referenced object. Should be ASCII and '-'/'\_'. |
| START\_AUTNUM | bigint(10) | No | 0 |  | The starting number in the block of autonomous system numbers |
| END\_AUTNUM | bigint(10) | No |  |  | The ending number in the block of autonomous system numbers |
| NAME | varchar(255) | Yes | <NULL> |  | An identifier assigned to the autnum registration by the registration holder |
| TYPE | varchar(255) | Yes | <NULL> |  | A string containing an RIR-specific classification of a autnum |
| COUNTRY | varchar(255) | Yes | <NULL> |  | A string containing the name of the 2 character country code of a autnum |
| LANG | varchar(64) | Yes | <NULL> |  | Language Identifier, e.g: "en" |
| PORT43 | varchar(4096) | Yes | <NULL> |  | Port 43 WHOIS Server |
| CUSTOM\_PROPERTIES | mediumtext | Yes |  |  | Custom properties key-value, JSON format. For example: {"customKey1":"value1","customKey2":"value2" } |

### Table: RDAP\_AUTNUM\_REDIRECT

Comment: autnum redirect table.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | AS\_REDIRECT\_ID | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **AS\_REDIRECT\_ID** | int(11) unsigned | No | <auto\_increment> |  | Primary key |
| START\_AUTNUM | int(11) unsigned | No | 0 |  | The starting number in the block of autonomous system numbers |
| END\_AUTNUM | int(11) unsigned | No | 0 |  | The ending number in the block of autonomous system numbers |
| REDIRECT\_URL | varchar(4096) | No |  |  | Url for redirect |

### Table: RDAP\_AUTNUM\_STATUS

Comment: status of an autnum, reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-10.2.1>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | AS\_STATUS\_ID | unique |  |
| IDX\_STATUS\_AS\_ID | AS\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **AS\_STATUS\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| AS\_ID | int(10) | No |  |  | Table RDAP\_AUTNUM’s primary key |
| STATUS | varchar(20) | No |  |  | Autnum Status. |

### Table: RDAP\_CONFORMANCE

Comment: Rdap conformance which provides a hint as to the specifications used in the construction of the response. Reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-5.1>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | CONFORMANCE\_ID | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **CONFORMANCE\_ID** | int(10) unsigned | No |  |  | Primary Key |
| RDAP\_CONFORMANCE | varchar(2048) | No |  |  | e.g:  ["rdap\_level\_0"] |

### Table: RDAP\_DOMAIN

Comment: Represents a DNS name and point of delegation. Reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-6.3>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | DOMAIN\_ID | unique |  |
| IDX\_DOMAIN\_LDH\_NAME | LDH\_NAME |  |  |
| IDX\_DOMAIN\_UNICODE\_NAME | UNICODE\_NAME |  |  |
| UK\_DOMAIN\_HANDLE | HANDLE | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **DOMAIN\_ID** | int(10) | No | <auto\_increment> |  | Primary Key |
| HANDLE | varchar(100) | No |  |  | Registry-unique identifiers of a referenced object. Should be ASCII and '-'/'\_'. |
| LDH\_NAME | varchar(255) | No |  |  | Punycode name of domain. Can't contain the last '.' of a domain. Must be lowercased |
| UNICODE\_NAME | varchar(1024) | Yes | <NULL> |  | Unicode name of a domain. This is field is identical with ldh name if it is an ASCII domain |
| PORT43 | varchar(4096) | Yes | <NULL> |  | Port 43 WHOIS Server |
| LANG | varchar(64) | Yes | <NULL> |  | Language Identifier, e.g: "en" |
| TYPE | varchar(10) | Yes | dnr |  | Domain type:   dnr: dnr domain  rir: rir domain |
| NETWORK\_ID | int(10) | Yes | <NULL> |  | Network id |
| CUSTOM\_PROPERTIES | mediumtext | Yes |  |  | Custom properties key-value, JSON format. For example: {"customKey1":"value1","customKey2":"value2" } |

### Table: RDAP\_DOMAIN\_REDIRECT

Comment: domain redirect table.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | RDAP\_DOMAIN\_REDIRECT\_ID | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **RDAP\_DOMAIN\_REDIRECT\_ID** | int(11) unsigned | No | <auto\_increment> |  | Primary Key |
| REDIRECT\_TLD | varchar(255) | No |  |  | Redirect tld |
| REDIRECT\_URL | varchar(4096) | No |  |  | Url for redirect |

### Table: RDAP\_DOMAIN\_STATUS

Comment: status of a domain, reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-10.2.1>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | DOMAIN\_STATUS\_ID | unique |  |
| IDX\_DOMAIN\_ID | DOMAIN\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **DOMAIN\_STATUS\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| DOMAIN\_ID | int(10) | No |  |  | Table RDAP\_DOMAIN’s primary key |
| STATUS | varchar(20) | No |  |  | Domain status |

### Table: RDAP\_DSDATA

Comment: Ds data for domain DNSSEC.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | DSDATA\_ID | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **DSDATA\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| KEY\_TAG | int(5) | No |  |  | The key tag field of a DNS DS record as specified by RFC 4034 |
| ALGORITHM | int(3) | No |  |  | The algorithm field of a DNS DS record as described by RFC 4034 |
| DIGEST | varchar(2048) | Yes | <NULL> |  | The digest field of a DNS DS record as specified by RFC 4034 |
| DIGEST\_TYPE | int(3) | No |  |  | The digest type field of a DNS DS record as specified by RFC 4034 |

### Table: RDAP\_ENTITY

Comment: Represents the information of organizations, corporations, governments, non-profits, clubs, individual persons and informal groups of people.Reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-6.1>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | ENTITY\_ID | unique |  |
| IDX\_ENTITY\_FN | FN |  |  |
| UK\_ENTITY\_HANDLE | HANDLE | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **ENTITY\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| HANDLE | varchar(100) | Yes | <NULL> |  | Registry-unique identifiers of a referenced object. Should be ASCII and '-'/'\_'. |
| KIND | varchar(255) | Yes | <NULL> |  | <http://tools.ietf.org/html/rfc6350#section-6.1.4> |
| FN | varchar(255) | Yes | <NULL> |  | Entity name |
| EMAIL | varchar(255) | Yes | <NULL> |  | Email |
| TITLE | varchar(255) | Yes | <NULL> |  | <http://tools.ietf.org/html/rfc6350#section-6.6.1> |
| ORG | varchar(255) | Yes | <NULL> |  | Org |
| URL | varchar(4096) | Yes | <NULL> |  | <http://tools.ietf.org/html/rfc6350#section-6.7.8> |
| PORT43 | varchar(4096) | Yes | <NULL> |  | Port 43 WHOIS Server |
| LANG | varchar(64) | Yes | <NULL> |  | Language Identifier, e.g: "en" |
| CUSTOM\_PROPERTIES | mediumtext | Yes |  |  | Custom properties key-value, JSON format. For example: {"customKey1":"value1","customKey2":"value2" } |

### Table: RDAP\_ENTITY\_STATUS

Comment: status of entity, reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-10.2.1>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | ENTITY\_STATUS\_ID | unique |  |
| IDX\_STATUS\_ENTITY\_ID | ENTITY\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **ENTITY\_STATUS\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| ENTITY\_ID | int(10) | No |  |  | Table RDAP\_ENTITY’s primary key |
| STATUS | varchar(20) | No |  |  | Entity Status. |

### Table: RDAP\_ERRORMESSAGE

Comment:Error message. Reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-7>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | ERROR\_ID | unique |  |
| UK\_ERROR\_CODE | ERROR\_CODE | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **ERROR\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| ERROR\_CODE | int(10) | No |  |  | Error code |
| TITLE | varchar(100) | Yes | <NULL> |  | Error description’s title |
| DESCRIPTION | varchar(1024) | No |  |  | Error Description |
| LANG | varchar(64) | Yes | <NULL> |  | Language Identifier, e.g: "en" |

### Table: RDAP\_EVENT

Comment: Events that have occurred on an instance of an object class, reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-5.5>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | EVENT\_ID | unique |  |
| IDX\_EVENT\_ACTOR | EVENT\_ACTOR |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **EVENT\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| EVENT\_ACTION | varchar(255) | Yes | <NULL> |  | A string denoting the reason for the event |
| EVENT\_ACTOR | varchar(255) | Yes | <NULL> |  | Denoting the actor responsible for the event |
| EVENT\_DATE | datetime | Yes | <NULL> |  | Event UTC date time. Format example: 2015-01-01T01:01:01Z |

### Table: RDAP\_IDENTITY\_ACL

Comment: define Access Control Entry.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | ID | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **ID** | int(10) | No | <auto\_increment> |  | Primary key |
| OBJECT\_TYPE | varchar(64) | No |  |  | object type:  domain,nameServer,entity,autnum,ip, event,link,publicId,help, remark, notice, variant,secureDns, dsData, keyData |
| OBJECT\_ID | int(10) | No |  |  | Object id |
| ROLE\_ID | int(10) | No |  |  | Role id |

### Table: RDAP\_IDENTITY\_ROLE

Comment: role of users.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | ROLE\_ID | unique |  |
| ROLE\_NAME | ROLE\_NAME | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **ROLE\_ID** | int(10) | No |  |  | Primary key |
| ROLE\_NAME | varchar(255) | No |  |  | Role name |

### Table: RDAP\_IDENTITY\_USER

Comment: User information.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | USER\_ID | unique |  |
| USER\_NAME | USER\_NAME | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **USER\_ID** | int(10) | No |  |  | Primary key |
| USER\_NAME | varchar(255) | No |  |  | User name |
| USER\_PWD | varchar(32) | No |  |  | User password |

### Table: RDAP\_IDENTITY\_USER\_REL\_ROLE

Comment: define relation between User and Role.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | ID | unique |  |
| USER\_ID | USER\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **ID** | int(10) | No | <auto\_increment> |  | Primary key |
| USER\_ID | int(10) | No |  |  | User id |
| ROLE\_ID | int(10) | No |  |  | Role id |

### Table: RDAP\_IP

Comment: IP network registrations for RIRs. Reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-6.4>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | IP\_ID | unique |  |
| UK\_IP\_HANDLE | HANDLE | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **IP\_ID** | int(10) | No | <auto\_increment> |  | Primary Key |
| HANDLE | varchar(100) | No |  |  | Registry-unique identifiers of a referenced object. Should be ASCII and '-'/'\_'. |
| ENDADDRESS | varbinary(16) | No |  |  | The ending number in the block of network |
| STARTADDRESS | varbinary(16) | No |  |  | The starting number in the block of network |
| VERSION | varchar(2) | No |  |  | not null, value: v4/v6 |
| NAME | varchar(255) | Yes | <NULL> |  | An identifier assigned to the network registration by the registration holder |
| TYPE | varchar(255) | Yes | <NULL> |  | A string containing an RIR-specific classification of the network |
| COUNTRY | varchar(255) | Yes | <NULL> |  | A string containing the two-character country code of the network |
| PARENT\_HANDLE | varchar(255) | Yes | <NULL> |  | Parent network of this network registration |
| LANG | varchar(64) | Yes | <NULL> |  | Language Identifier, e.g: "en" |
| PORT43 | varchar(4096) | Yes | <NULL> |  | Port 43 WHOIS Server |
| CIDR | varchar(255) | Yes | <NULL> |  | Formatted network used to generate self link for query. http://tools.ietf.org/html/rfc4632. e.g: 92.168.99.0/24 |
| CUSTOM\_PROPERTIES | mediumtext | Yes |  |  | Custom properties key-value, JSON format. For example: {"customKey1":"value1","customKey2":"value2" } |

### Table: RDAP\_IP\_REDIRECT

Comment: IP redirect table.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | RDAP\_IP\_REDIRECT\_ID | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **RDAP\_IP\_REDIRECT\_ID** | int(11) unsigned | No | <auto\_increment> |  | Primary key |
| ENDADDRESS | varbinary(16) | No |  |  | The ending number in the block of network |
| STARTADDRESS | varbinary(16) | No |  |  | The starting number in the block of network |
| REDIRECT\_URL | varchar(4096) | No |  |  | Url for redirect  <http://tools.ietf.org/html/rfc6350#section-6.7.8> |
| VERSION | varchar(2) | No |  |  | Ip version:  v4  v6 |

### Table: RDAP\_IP\_STATUS

Comment: status of IP Network object, reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-10.2.1>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | IP\_STATUS\_ID | unique |  |
| IDX\_IP\_STATUS\_IP\_ID | IP\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **IP\_STATUS\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| IP\_ID | int(10) | No |  |  | Table RDAP\_IP’s primary key |
| STATUS | varchar(20) | No |  |  | Ip Status |

### Table: RDAP\_KEYDATA

Comment: Key data for domain DNSSEC.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | KEYDATA\_ID | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **KEYDATA\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| FLAGS | int(3) | No |  |  | The flags field value in the DNSKEY record as specified by RFC 4034 |
| PROTOCOL | int(1) | No |  |  | The protocol field value of the DNSKEY record as specified by RFC 4034 |
| PUBLIC\_KEY | varchar(2048) | Yes | <NULL> |  | The public key in the DNSKEY record as specified by RFC 4034 |
| ALGORITHM | int(3) | No |  |  | The algorithm field of a DNSKEY record as specified by RFC 4034 |

### Table: RDAP\_LINK

Comment: Signify links to other resources on the Internet. The relationship of these links is defined by the IANA registry described by [RFC5988]. Reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-5.2>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | LINK\_ID | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **LINK\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| VALUE | varchar(2048) | Yes | <NULL> |  | e.g: "http://example.com/context\_uri" |
| REL | varchar(255) | Yes | <NULL> |  | e.g: "self" |
| HREF | varchar(2048) | Yes | <NULL> |  | e.g: "http://example.com/target\_uri" |
| MEDIA | varchar(255) | Yes | <NULL> |  | e.g: "screen" |
| TYPE | varchar(255) | Yes | <NULL> |  | e.g: "application/json" |
| TITLE | varchar(255) | Yes | <NULL> |  | <http://tools.ietf.org/html/rfc5988#section-5> |

### Table: RDAP\_LINK\_HREFLANG

Comment: href of link.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | HREFLANG\_ID | unique |  |
| IDX\_LINK\_HREFLANG\_LINK\_ID | LINK\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **HREFLANG\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| LINK\_ID | int(10) | No |  |  | Link id |
| HREFLANG | varchar(64) | Yes | <NULL> |  | Language Identifier, e.g: "en" |

### Table: RDAP\_NAMESERVER

Comment: Represents information regarding DNS name servers used in both forward and reverse DNS. Reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-6.2>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | NAMESERVER\_ID | unique |  |
| IDX\_NAMESERVER\_LDH\_NAME | LDH\_NAME |  |  |
| IDX\_NAMESERVER\_UNICODE\_NAME | UNICODE\_NAME |  |  |
| UK\_NAMESERVER\_HANDLE | HANDLE | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **NAMESERVER\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| HANDLE | varchar(100) | Yes | <NULL> |  | Registry-unique identifiers of a referenced object. Should be ASCII and '-'/'\_'. |
| LDH\_NAME | varchar(255) | No |  |  | Puny name of nameserver. Can't contain last '.' of domain. Must be lowercased. |
| UNICODE\_NAME | varchar(1024) | Yes | <NULL> |  | This field is identical with ldhName if it is an ASCII nameserver |
| PORT43 | varchar(4096) | Yes | <NULL> |  | Port 43 WHOIS Server |
| LANG | varchar(64) | Yes | <NULL> |  | Language Identifier, e.g: "en" |
| CUSTOM\_PROPERTIES | mediumtext | Yes |  |  | Custom properties key-value, JSON format. For example: {"customKey1":"value1","customKey2":"value2" } |

### Table: RDAP\_NAMESERVER\_IP

Comment: IP of a nameserver, reference to<http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-6.2>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | NAMESERVER\_IP\_ID | unique |  |
| IDX\_NAMESERVER\_IP\_NAMESERVER\_ID | NAMESERVER\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **NAMESERVER\_IP\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| NAMESERVER\_ID | int(10) | No |  |  | Table RDAP\_NAMESERVER’s primary key |
| IP | varbinary(16) | No |  |  | The number of network |
| VERSION | varchar(2) | No |  |  | Ip version:  v4  v6 |

### Table: RDAP\_NAMESERVER\_STATUS

Comment: nameserver status, reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-10.2.1>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | NAMESERVER\_STATUS\_ID | unique |  |
| IDX\_NAMESERVER\_STATUS\_NAMESERVER\_ID | NAMESERVER\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **NAMESERVER\_STATUS\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| NAMESERVER\_ID | int(10) | No |  |  | Table RDAP\_NAMESERVER’s primary key |
| STATUS | varchar(20) | No |  |  | Nameserver Status |

### Table: RDAP\_NOTICE

Comment: table for the "notices", "help" and "remarks", reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-5.3>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | NOTICE\_ID | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **NOTICE\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| TYPE | varchar(6) | No |  |  | Notice type:  notice  remark  help |
| TITLE | varchar(255) | Yes | <NULL> |  | Title |
| REASON\_TYPE | varchar(100) | Yes | <NULL> |  | Reason type |
| REASON\_TYPE\_SHORT\_NAME | varchar(50) | Yes | <NULL> |  | Reason type short name |

### Table: RDAP\_NOTICE\_DESCRIPTION

Comment: Description for notice, reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-5.3>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | NOTICE\_DESC\_ID | unique |  |
| IDX\_NOTICE\_DESCRIPTION\_NOTICE\_ID | NOTICE\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **NOTICE\_DESC\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| NOTICE\_ID | int(10) | No |  |  | Table RDAP\_NOTICE’s primary key |
| DESCRIPTION | varchar(2048) | No |  |  | Notice Description |

### Table: RDAP\_POLICY

Comment: entries in this table will not be shown in query response.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | Id | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **Id** | int(11) | No | <auto\_increment> |  | Primary key |
| OBJECT\_TYPE | varchar(255) | No |  |  | Object type:  domain,nameServer,entity,autnum,ip, event,link,publicId,help, remark, notice, variant,secureDns, dsData, keyData |
| HIDE\_COLUMN | varchar(255) | No |  |  | Hide column name |

### Table: RDAP\_PUBLICID

Comment: The publicid maps a public identifier to a registration object, reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-5.8>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | PUBLIC\_ID | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **PUBLIC\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| IDENTIFIER | varchar(255) | Yes | <NULL> |  | A public identifier |
| TYPE | varchar(255) | Yes | <NULL> |  | A string denoting the type of public identifier |

### Table: RDAP\_SECUREDNS

Comment: secure DNS information about domains.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | SECUREDNS\_ID | unique |  |
| IDX\_SECUREDNS\_DOMAIN\_ID | DOMAIN\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **SECUREDNS\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| ZONE\_SIGNED | tinyint(1) | Yes | <NULL> |  | 1: if the zone has been signed  0:otherwise. |
| DELEGATION\_SIGNED | tinyint(1) | No |  |  | 1: if there are DS records in the parent  0:otherwise. |
| MAX\_SIGLIFE | int(11) | Yes | <NULL> |  | The signature life time in seconds to be used when creating the RRSIG DS record |
| DOMAIN\_ID | int(10) | No |  |  | Domain id |

### Table: RDAP\_VARIANT

Comment:table for domain’s Internationalized Domain Names (IDNs), reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#page-26>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | VARIANT\_ID | unique |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **VARIANT\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| LDH\_NAME | varchar(255) | No |  |  | Variant's ldhName.Can't contain last '.' of domain. Must be lowercased. |
| UNICODE\_NAME | varchar(1024) | No |  |  | Variant's unicodeName |
| IDNTABLE | varchar(255) | Yes | <NULL> |  | The name of the IDN table of codepoints |

### Table: RDAP\_VCARD\_ADR

Comment: Entity address. Reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-6.1>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | ADR\_ID | unique |  |
| IDX\_ADR\_ENTITY\_ID | ENTITY\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **ADR\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| POST\_BOX | varchar(255) | Yes | <NULL> |  | Postbox |
| EXT\_ADR | varchar(255) | Yes | <NULL> |  | The extended address |
| STREET | varchar(255) | Yes | <NULL> |  | Street address |
| CITY | varchar(255) | Yes | <NULL> |  | City |
| SP | varchar(255) | Yes | <NULL> |  | The region. e.g:state or province |
| POSTAL\_CODE | varchar(255) | Yes | <NULL> |  | Postal code |
| COUNTRY | varchar(255) | Yes | <NULL> |  | A string containing the name of the 2 character country code |
| ENTITY\_ID | int(10) | No |  |  | Entity id |
| TYPE | varchar(255) | Yes | <NULL> |  | http://tools.ietf.org/html/rfc6350#section-5.6 |
| PREF | int(3) | Yes | <NULL> |  | Preference. <http://tools.ietf.org/html/rfc6350#section-5.3> |

### Table: RDAP\_VCARD\_TEL

Comment: Entity telephone, reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#section-6.1>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | TEL\_ID | unique |  |
| IDX\_TEL\_ENTITY\_ID | ENTITY\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **TEL\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| TYPE | varchar(255) | Yes | <NULL> |  | Type |
| GLOBAL\_NUMBER | varchar(255) | Yes | <NULL> |  | Global number |
| EXT\_NUMBER | varchar(255) | Yes | <NULL> |  | The extended number |
| ENTITY\_ID | int(10) | No |  |  | Entity id |
| PREF | int(3) | Yes | <NULL> |  | Preference. <http://tools.ietf.org/html/rfc6350#section-5.3> |

### Table: REL\_DOMAIN\_NAMESERVER

Comment: define relationship between domain and its nameserver.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | REL\_DOMAIN\_NS\_ID | unique |  |
| IDX\_REL\_DOMAIN\_NAMESERVER\_DOMAIN\_ID | DOMAIN\_ID |  |  |
| IDX\_REL\_DOMAIN\_NAMESERVER\_NAMESERVER\_ID | NAMESERVER\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **REL\_DOMAIN\_NS\_ID** | bigint(12) unsigned | No | <auto\_increment> |  | Primary key |
| DOMAIN\_ID | int(10) | No |  |  | Domain id |
| NAMESERVER\_ID | int(10) | No |  |  | Nameserver id |

### Table: REL\_DOMAIN\_VARIANT

Comment: define relationship between domain and its variants.

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | REL\_VARIANT\_ID | unique |  |
| IDX\_REL\_DOMAIN\_VARIANT\_DOMAIN\_ID | DOMAIN\_ID |  |  |
| IDX\_REL\_DOMAIN\_VARIANT\_VARIANT\_ID | VARIANT\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **REL\_VARIANT\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| DOMAIN\_ID | int(10) | No |  |  | Domain id |
| VARIANT\_TYPE | varchar(255) | Yes | <NULL> |  | Variant type |
| VARIANT\_ID | int(10) | No |  |  | Variant id |

### Table: REL\_ENTITY\_REGISTRATION

Comment: define relationship between an entity and the registration object (Entity, Domain, IP network, Autnum and Nameserver)

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | REL\_ENTITY\_ID | unique |  |
| IDX\_REL\_ENTITY\_ENTITY\_ID | ENTITY\_ID |  |  |
| IDX\_REL\_ENTITY\_REL\_ID | REL\_ID, REL\_OBJECT\_TYPE |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **REL\_ENTITY\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| REL\_ID | int(10) | No |  |  | Relationship id |
| REL\_OBJECT\_TYPE | varchar(16) | No |  |  | Relation object type:  domain,nameServer,entity,autnum,ip |
| ENTITY\_ID | int(10) | No |  |  | Entity id |
| ENTITY\_ROLE | varchar(255) | Yes | <NULL> |  | Entity role |

### Table: REL\_EVENT\_REGISTRATION

Comment: define relationship between Event and the registration object (Entity, Domain, IP network, Autnum and Nameserver)

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | REL\_EVENT\_ID | unique |  |
| IDX\_REL\_EVENT\_EVENT\_ID | EVENT\_ID |  |  |
| IDX\_REL\_EVENT\_REL\_ID | REL\_ID, REL\_OBJECT\_TYPE |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **REL\_EVENT\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| REL\_ID | int(10) | No |  |  | Relationship id |
| REL\_OBJECT\_TYPE | varchar(16) | Yes | <NULL> |  | Relation object type  domain,nameServer,entity,autnum,ip  event,remark/notice,help,dsData,keyData |
| EVENT\_ID | int(10) | No |  |  | Event id |

### Table: REL\_LINK\_OBJECT

Comment: define relationship between Link and registration object (Entity, Domain, IP network, Autnum, Nameserver, Remark, Notice .etc)

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | REL\_LINK\_ID | unique |  |
| IDX\_REL\_LINK\_LINK\_ID | LINK\_ID |  |  |
| IDX\_REL\_LINK\_REL\_ID | REL\_ID, REL\_OBJECT\_TYPE |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **REL\_LINK\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| REL\_ID | int(10) | No |  |  | Relationship id |
| REL\_OBJECT\_TYPE | varchar(16) | No |  |  | Relation object type:  domain,nameServer,entity,autnum,ip  event,remark/notice,help,dsData,keyData |
| LINK\_ID | int(10) | No |  |  | Link id |

### Table: REL\_NOTICE\_REGISTRATION

Comment: define relationship between remark and registration object (Entity, Domain, IP network, Autnum and Nameserver)

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | REL\_NOTICE\_ID | unique |  |
| IDX\_REL\_NOTICE\_NOTICE\_ID | NOTICE\_ID |  |  |
| IDX\_REL\_NOTICE\_REL\_ID | REL\_ID, REL\_OBJECT\_TYPE |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **REL\_NOTICE\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| REL\_ID | int(10) | No |  |  | Relationship id |
| REL\_OBJECT\_TYPE | varchar(16) | No |  |  | object type  domain, autnum, nameServer, ip, entity |
| NOTICE\_ID | int(10) | No |  |  | Notice id |

### Table: REL\_PUBLICID\_REGISTRATION

Comment: define relationship between PublicID and some registration object (Entity, Domain, IP network, Autnum and Nameserver)

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | REL\_PUBLICID\_ID | unique |  |
| IDX\_REL\_PUBLICID\_PUBLIC\_ID | PUBLIC\_ID |  |  |
| IDX\_REL\_PUBLICID\_REL\_ID | REL\_ID, REL\_OBJECT\_TYPE |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **REL\_PUBLICID\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| REL\_ID | int(10) | No |  |  | Relationship id |
| REL\_OBJECT\_TYPE | varchar(16) | No |  |  | Relation object type:  domain, entity |
| PUBLIC\_ID | int(10) | No |  |  | Table RDAP\_PUBLICID’s primary key |

### Table: REL\_SECUREDNS\_DSKEY

Comment: define relationship between securedns and dsdata or keydata. Reference to <http://tools.ietf.org/html/draft-ietf-weirds-json-response-06#appendix-D>

#### Keys:

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Extras | Comment |
| **Primary Key** | REL\_SECUREDNS\_ID | unique |  |
| IDX\_REL\_SECUREDNS\_REL\_ID | REL\_ID, REL\_DSKEY\_TYPE |  |  |
| IDX\_REL\_SECUREDNS\_SECUREDNS\_ID | SECUREDNS\_ID |  |  |

#### Fields:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Type | NULL | Default | Extras | Comment |
| **REL\_SECUREDNS\_ID** | int(10) | No | <auto\_increment> |  | Primary key |
| SECUREDNS\_ID | int(10) | No |  |  | secureDns id |
| REL\_DSKEY\_TYPE | varchar(16) | Yes | <NULL> |  | Relation dskey type:  keyData  dsData |
| REL\_ID | int(10) | No |  |  | Relationship id |