

The RDAP protocol allows you to query for **Domain**, **Nameserver**, and **Entities** using:

1. Lookup: Query for an exact match, e.g. a domain lookup for nic.com returns information if nic.com exists.
2. Basic Search: Includes additional search options based on the selected query type. Also supports the wildcard '\*', which returns all matches of the query-string with 0+ additional characters, e.g. domain basic search for nic\*.com would return nic.com, nica.com, nicc.com, etc.

Note: As per RFC7483 [section 4.1](#), asterisk has a special meaning: Partial string searching uses the asterisk ('\*', US-ASCII value 0x002A) character to match zero or more trailing characters. However, this conflicts with the allowed set of characters for an entity handle [which includes asterisk]. Our implementation resolves this conflict by utilizing the RFC7483 meaning for asterisk in basic search.

The data is limited to .net and .com domains hosted by One.com. The responses for Queries are JSON formatted. The UI can be accessed by using the base URL at <http://rdap.one.com/rdap/v1/>. To get the RDAP response you can choose to use the **Browser Bar** OR a **Command Line Tool (curl command)**:

- Type <http://rdap.one.com:80/rdap/v1/domain/{sample-domain}> - to receive RDAP Response on domain
- Type <http://rdap.one.com:80/rdap/v1/domains?name={partial-text-pattern}> - to receive a list of domains matching the pattern
- Type <http://rdap.one.com:80/rdap/v1/entity/{entity-handle}> - to receive RDAP Response on the entity
- Type <http://rdap.one.com:80/rdap/v1/entities?handle={partial-text-pattern}> - to receive a list of entities matching the pattern
- Type <http://rdap.one.com:80/rdap/v1/nameserver/{nameserver-name}> - to receive RDAP Response on a nameserver
- Type <http://rdap.one.com:80/rdap/v1/nameservers?name={partial-text-pattern}> - to receive a list of nameservers matching the pattern
- Type <http://rdap.one.com:80/rdap/v1/help> - to receive RDAP help