Open Questions on the Search function for RDAP

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- #1 What should be the search function?
- #2 How should we document the search function?

#1 What should be the search function?

- #1.1 What query types should be searchable?
  - Solution 1: To clearly specify all the search types from the query types of RDAP
    - Domain? (Handle? Name? Others?)
    - Nameserver? (Handle? Name? Others?)
    - Entity? (ID? Name? Email? Others?)
    - IP? (Handle? Name? Others?)
    - AS? (Handle? Name? Others?)
  - Solution 2: Do not specify which query type may be searchable but define a syntax to describe the search types in RDAP protocols. Let RDAP server providers decide which query type may be searchable.
  - Solution 3: Mix solution 1 with solution 2

#1 What should be the search function?

- #1.2 What features should be considered?
  - Wildcard? (Prefix, Postfix or Infix match?)
  - Boolean? (and, or, not)
  - Paging?
  - Response Limit?
  - Ordering? (Date, Name)
  - I18N? (Unicode and IDN partial matching?)

#1 What should be the search function?

- #1.3 How to define path segments for search?
  - Solution 1: domains/?name=exampl*.com defined by hollenbeck-weirds-rdap-search-02
  - Solution 2: search/?domain=exampl*.com defined by zhou-weirds-rdap-restful-search-00
  - Solution 3: To create another new one?

#1 What should be the search function?

- #1.4 What response format should be used for search?
  - Search level ?
  - Multiple Results ?
  - Paging ? (Total Page Number, Current Page Number)
  - Response Limit ?
  - Ordering ?
  - Error ?

#2 How to document the search function?

- Option1: One separated search document which covers all the issues of search
- Option2: Merging all the search function into all related RDAP documents (Query, Response, others?)
- Option3: Merging the basic search function into all related RDAP documents, drafting one separated search document to cover the advanced search function

Any Comments?

Thanks!