The Contact Functional Area relates contact information to entities in other functional areas, including Persons and Organizations.

**Contact**

<table>
<thead>
<tr>
<th>Contact Description</th>
<th>Score</th>
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<tbody>
<tr>
<td>A Contact is a relationship between an Address and a reference. Contacts are time-variant which allow Addresses to become effective based on schedules.</td>
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<tr>
<td>Contacts have an addressee. Addressees are resources that indicate to whom or what should be contacted.</td>
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</table>

**Also known as:**

- Read Operations for Contacts:
  - Get Contacts given unique Ids
  - Get all the Contacts in a system or AddressBook
  - Get Contacts for Addresses
  - Get Contacts for Addressees
  - Query (Search) Contacts based on attribute-based query terms or keywords
  - Register for notifications Contacts have been created, updated or deleted
  - Get all current available contacts corresponding to a reference Id
  - Gets all currently available contacts for a reference and by contact genus Type

<table>
<thead>
<tr>
<th>Write Operations for Contacts:</th>
<th>Score</th>
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<tbody>
<tr>
<td>Create Contact for an Address and an Addressee</td>
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<tr>
<td>Update and Delete Contacts</td>
<td></td>
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<tr>
<td>Add an alias Id to reference an existing Contact</td>
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<tr>
<td>Organize Contacts into AddressBooks</td>
<td></td>
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</tbody>
</table>
Minimally Supported Attributes of Contacts:

- A unique and permanent identifier
- The name of the Contact
- A description of the Contact
- The type of the Contact: home, work, primary, weekend-vacation-spot, send-spam-here
- The reference or Addressee of this Contact (the resource being addressed)
- The Address of this Contact
- Effective start date and end date of this Contact
- The reason this Contact is no longer valid, if applicable

Address

An Address represents the address of a Resource. Specific breakdowns of an Address may be additionally defined but and the Address exposes a text representation.

Also known as:

- Read Operations for Address:
  - Get Addresses given unique Ids
  - Get all the Addresses in a system or AddressBook
  - Query (Search) Addresses based on attribute-based query terms or keywords
  - Register for notifications that Addresses have been created, updated or deleted

- Write Operations for Addresses:
  - Create, Update or Delete Addresses
  - Add an alias Id to reference an existing Address
  - Organize Addresses into AddressBooks

Minimally Supported Attributes of Addresses:

- A unique and permanent identifier
- The name of the Address
- A description of the Address

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- The type of the Address: email, phone, postal mail, skype, interstellar
- The resource to which this address belongs. All addresses belong to one resource but may be used for contacts among multiple other resources
- The textual representation of this address
- Further type specific breakdown of the Address, [include example]

**AddressBook**

A directory or other kind of organization for Addresses. Such a grouping serves to separate Addresses in various ways as required and to scope searches.

Also known as: Catalog, Rolodex, White Pages

- **Read Operations for AddressBooks:**
  - Get AddressBooks given unique Ids
  - Get all the AddressBooks in a system or Catalog
  - Query (Search) AddressBooks based on attribute-based query terms or keywords
  - Traverse Hierarchical relationships between AddressBooks
  - Register for notifications AddressBooks have been created, updated or deleted
  - Register for notifications that hierarchical relationships between AddressBooks have been created, updated or deleted

- **Write Operations for AddressBooks:**
  - Create, Update and Delete AddressBooks
  - Add an alias Id to reference an existing AddressBook
  - Manage Hierarchical relationships between AddressBook

**Minimally Supported Attributes of Catalogs:**

- A unique and permanent identifier.
- The name of the AddressBook
- A description of the AddressBook
- The type of the AddressBook
- The provider of this AddressBook

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<tbody>
<tr>
<td>●</td>
<td>Any available branding for this AddressBook, for example an organizational logo</td>
</tr>
<tr>
<td>●</td>
<td>Any licensing (terms of usage) associated with this AddressBook</td>
</tr>
</tbody>
</table>