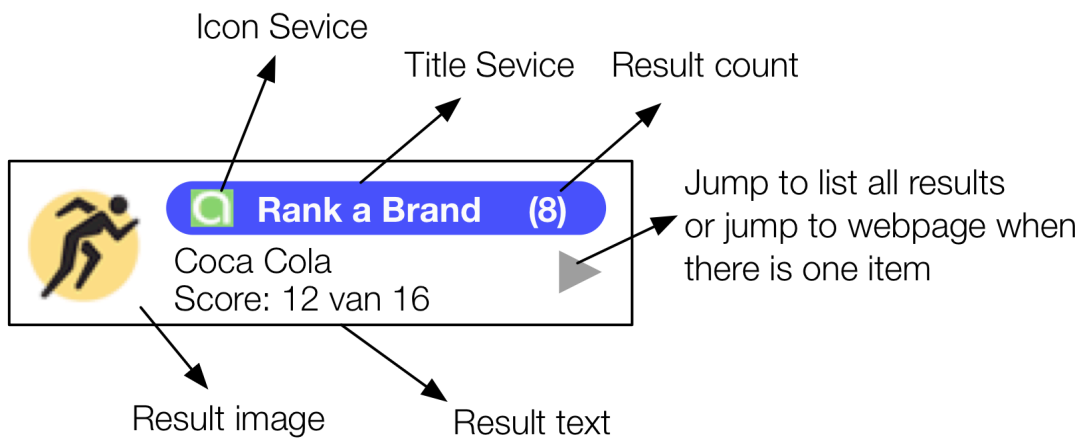




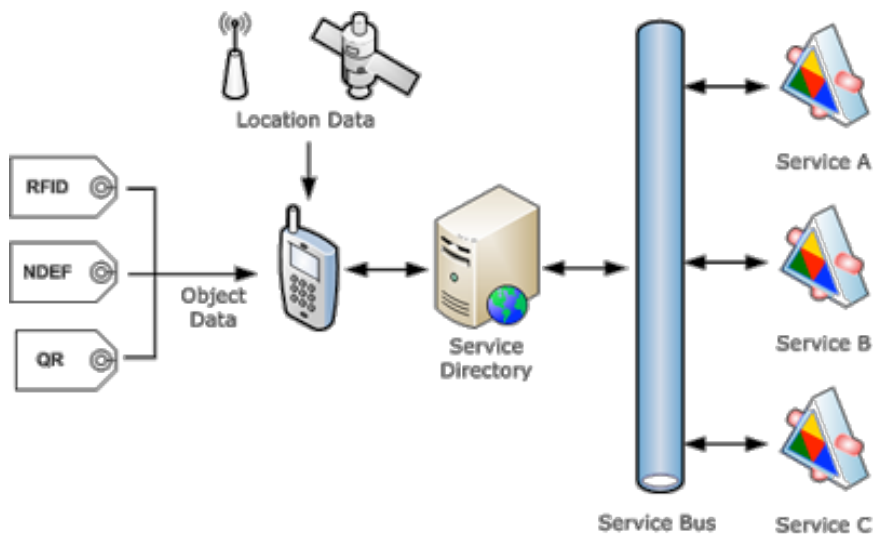
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What is a service?

A service displays information in the Mobi.Scan application about a product or an object. The information is shown in the following format:



A service that is registered in the Service Directory is available in the service list of the application. A user can select services to display information about objects or products. In order to retrieve data about an object, the service directory sends the request to the specified service. This request is a simple HTTP-GET request. The data return in a RSS format.



More information about the technology behind the Service Directory can be found at: <http://www.mobiubiq.org/technology.html>

Add a Service

Everyone can add new services and make them available in the Mobi.Scan client. For this functionality the service needs to be registered in the Service Directory.

Request

The Service Directory sends a HTTP-GET request to the registered URI of the service. The following parameters are passed on:

- **tagUri**. The barcode number or the encoded text in a QR barcode (e.g. 9780131422469). This is the URI for the Service Directory.
- **tagTitle** (optional). Name of the product.
- **manufacturer** (optional). Company that produced the product or the company that registered the barcode.
- **longitude** (optional). Current coordinates if available.
- **latitude** (optional). Current coordinates if available.

All parameters are URL encoded.

Response

The service returns results in a RSS 2.0 format. Here is an example of a response:

```
<rss version="2.0">
<channel>
  <title>Title of the service</title>
  <link>http://mobiubiq.org</link>
  <description>Description of the service</description>
  <image />
  <item>
    <title>Item 1</title>
    <link>http://test</link>
    <description />
    <enclosure url="" length="0" type="image/png" />
  </item>
  <item>
    <title>Item 2</title>
    <link>http://test</link>
```

```

        <description />
        <enclosure url="" length="0" type="image/png" />
    </item>
</channel>
</rss>

```

The following elements and attributes are included in the RSS 2.0 response:

Channel			
	Title		Title of the services. This title is not displayed on the phone. Instead the title entered when registering the service is displayed.
	Link		Link is not used in the Mobi.Scan client.
	Description		Description is not used in Mobi.Scan. Instead the description entered when registering the service is displayed.
	Image		Not in use.
	Item		Result of a request. A maximum of 20 items are displayed.
		Title	Text of the result.
		Link	Link to a webpage with more information. Webpage can be opened from Mobi.Scan client.
		Description	Not in use.
		Enclosure	URL to result image. Can be empty. Length can be 0 if there is an image. Type is the Mime type but does not have to be filled in here.

Registering service

To make a server available in the Mobi.Scan client the service needs to be registered in the Service Directory. To get access to the Service Directory you need an account. You can request an account by sending an e-mail to info@mobiubiq.org.

The following information needs to be provided to register a service:

Title	Title of the service. The title is displayed in the service list on the mobile phone.
Description	Short description of the service. The description is displayed in the service list on the mobile phone.
URI	The endpoint of the Service.
Icon	Image in png format 16 x 16 px

