

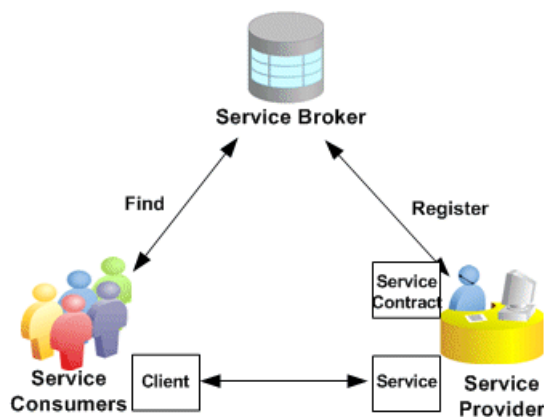
# Yellow Pages

A *service-oriented architecture* (SOA) is a style of software design where services are provided to the other components by application components, through a communication protocol over a network. The basic principles of service-oriented architecture are independent of vendors, products and technologies. A service is a discrete unit of functionality that can be accessed remotely and acted upon and updated independently, such as retrieving a credit card statement online.

Each SOA building block can play any of the three roles:

- *Service provider*: It creates a web service and provides its information to the service registry;
- *Service broker, service registry* or *service repository*: Its main functionality is to make the information regarding the web service available to any potential requester;
- *Service requester/consumer*: It locates entries in the broker registry using various find operations and then binds to the service provider in order to invoke one of its web services.

The common service-oriented architecture is illustrated in figure 1.



**Figure 1.** Service-oriented architecture

## References

- Wikipedia contributors, *Service-oriented architecture*, Wikipedia, The Free Encyclopedia, [https://en.wikipedia.org/wiki/Service-oriented\\_architecture](https://en.wikipedia.org/wiki/Service-oriented_architecture), 2018.
- Oracle, *Understanding Service Enablement*, in Oracle E-Business Suite Integrated SOA Gateway User's Guide, Release 12.1, <http://docs.huihoo.com/oracle/e-business-suite/12/doc.121/e12064/T291171T509748.htm>, 2010.