Service provider/consumer notation cheat sheet
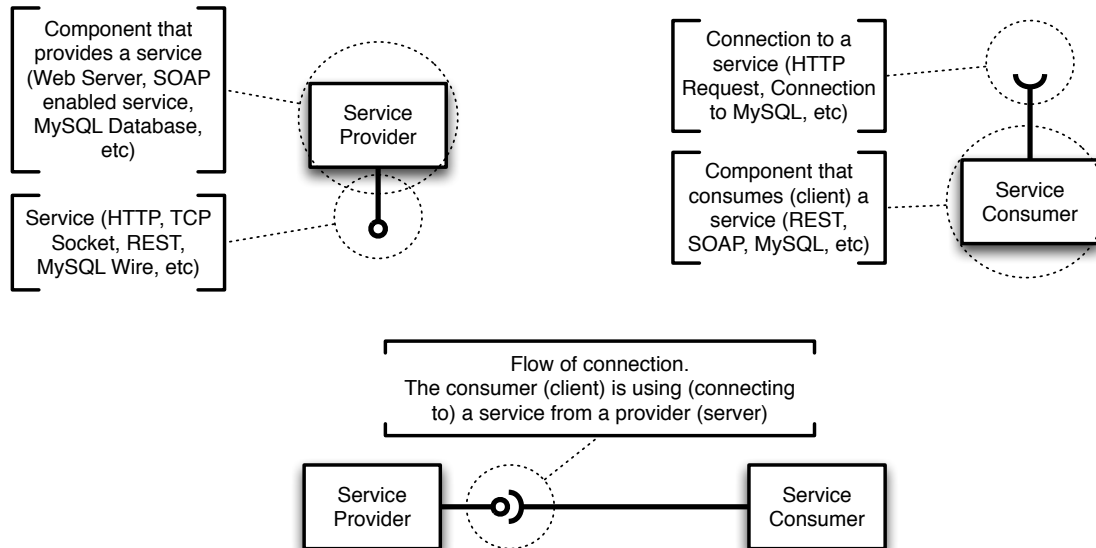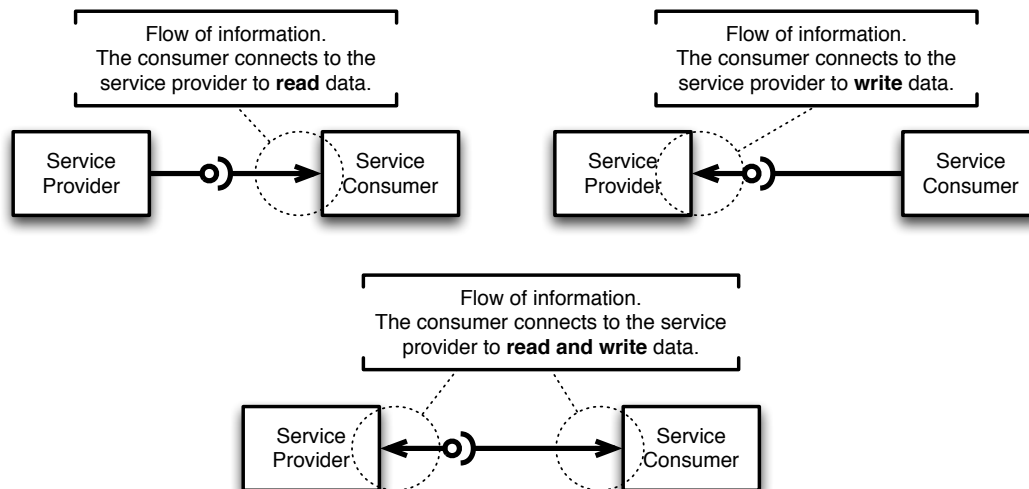(Don't hesitate to ask Charle if you have any more questions)
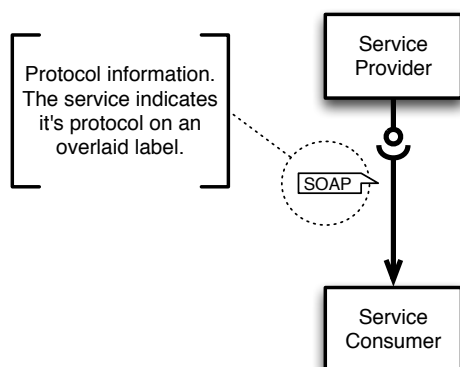
Direction of connections

Component that provides a service (Web Server, SOAP enabled service, MySQL Database, etc) — **Service Provider**

Service (HTTP, TCP Socket, REST, MySQL Wire, etc)

Connection to a service (HTTP Request, Connection to MySQL, etc)

Component that consumes (client) a service (REST, SOAP, MySQL, etc) — **Service Consumer**

Flow of connection.
The consumer (client) is using (connecting to) a service from a provider (server)

Service Provider ——○)—— **Service Consumer**

Flow of information

Flow of information.
The consumer connects to the service provider to **read** data.

Service Provider ——○)——▶ **Service Consumer**

Flow of information.
The consumer connects to the service provider to **write** data.

Service Provider ◀——(○—— **Service Consumer**

Flow of information.
The consumer connects to the service provider to **read and write** data.

Service Provider ◀——(○——▶ **Service Consumer**

Protocol information

Protocol information. The service indicates it's protocol on an overlaid label.

Service Provider

SOAP

Service Consumer

Exchanged entities

Service Provider

Data entity exchanged.

UserInfo

Service Consumer