

Web Services creation by Netbeans: server and client

A) SERVER:

1. new- web application project
2. new-web service (will be the server). Add a package
3. Now you have a hello () method done
4. Create a new method concatenate() for 2 strings

insert-code - add web service operation

This is the generated code:

```
@WebMethod(operationName = "concatenate")
    public String concatenate(@WebParam(name = "a")
String a, @WebParam(name = "b") String b) {
        //TODO write your implementation code here:
        return null; // here change to return a + b;
    }
```

5. Run the project. It will compile and deploy the service into glassfish. Make sure you run THIS server project, running it from the project explorer or selecting the correct project and booting it.

B) CLIENT:

6. New web application project
7. New web service client. Select the previous server project.

8. Create a testClient class where we create the calling methods. To do so: insert-code-call web service operation. It will appear your calling method as:

```
private static String hello(java.lang.String name) {
    p1.NewWebService_Service service = new
        p1.NewWebService_Service();
    p1.NewWebService port =
        service.getNewWebServicePort();
    return port.hello(name);
}
```

9. Repeat step 8 for any method you want to call from your web service.
10. Create a main method and call your web services methods as:

```
public static void main(String[] args) {
    System.out.println(hello("world"));
    System.out.println(concatenate("world", "
big"));
}
```