

# XML-RPC tutorial

## [Introduction to XML-RPC](#)

## Server

```
<shx python> from xmlrpc.server import SimpleXMLRPCServer from xmlrpc.server import SimpleXMLRPCRequestHandler
```

```
# Restrict to a particular path. class RequestHandler(SimpleXMLRPCRequestHandler):
```

```
    rpc_paths = ('/RPC2',)
```

```
# Create server with SimpleXMLRPCServer1) # Returns 2**3 = 8 print(s.add(2,3)) # Returns 5
print(s.mul(5,2)) # Returns 5*2 = 10
```

```
# Print list of available methods print(s.system.listMethods()) </shx>
```

<sup>1)</sup>

```
'localhost', 8000),
```

```
        requestHandler=RequestHandler) as server:
    server.register_introspection_functions()
```

```
# Register pow() function; this will use the value of
# pow.__name__ as the name, which is just 'pow'.
server.register_function(pow)
```

```
# Register a function under a different name
def adder_function(x, y):
    return x + y
server.register_function(adder_function, 'add')
```

```
# Register an instance; all the methods of the instance are
# published as XML-RPC methods (in this case, just 'mul').
class MyFuncs:
    def mul(self, x, y):
        return x * y
```

```
server.register_instance(MyFuncs())
```

```
# Run the server's main loop
server.serve_forever()
```

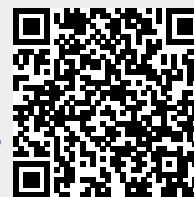
```
</shx> ===== Client ===== <shx python> import xmlrpc.client s =
xmlrpc.client.ServerProxy('http://localhost:8000') print(s.pow(2,3)
```

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