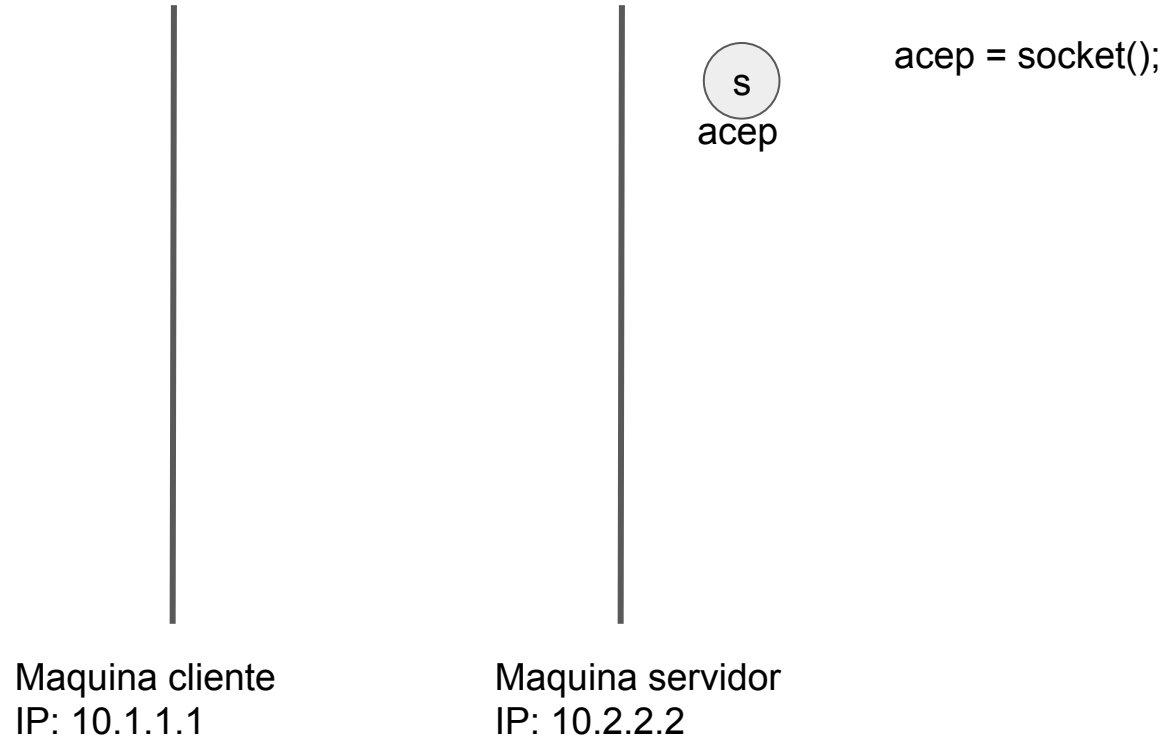


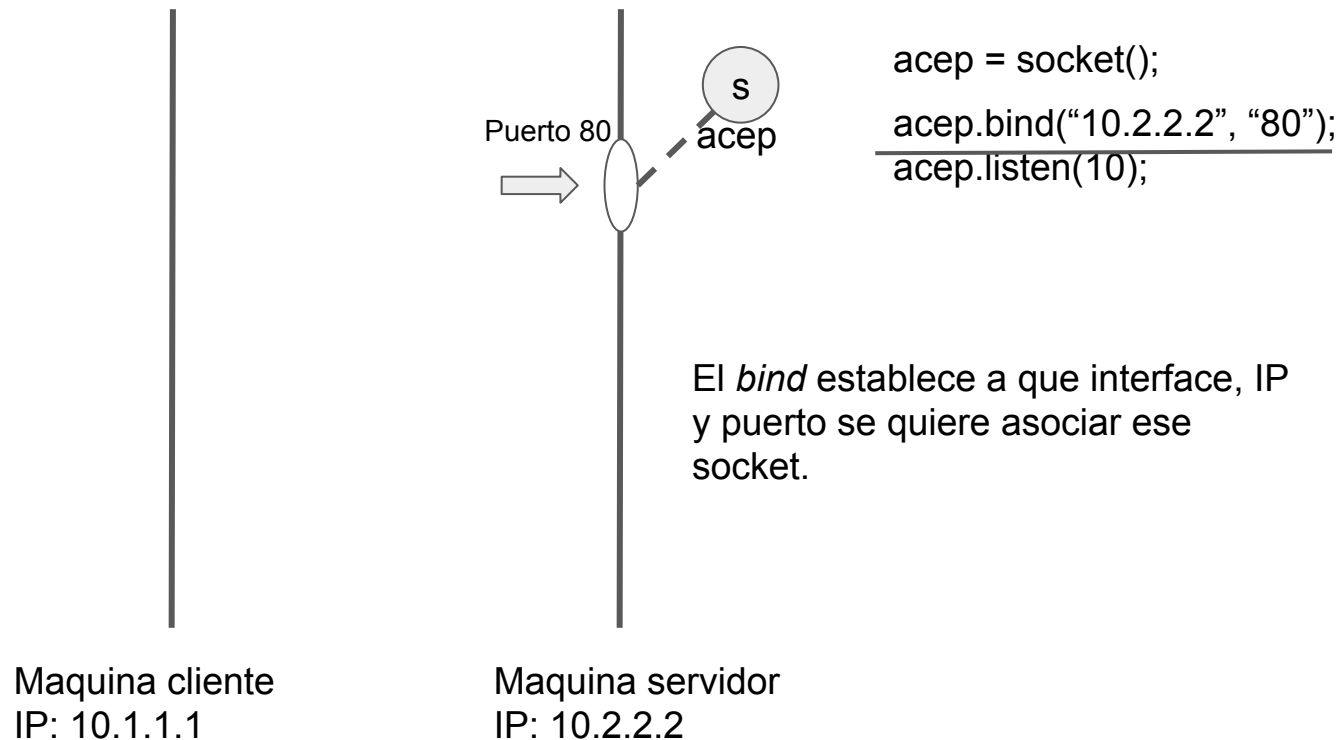
Sockets

(ULTRA DRAFT)

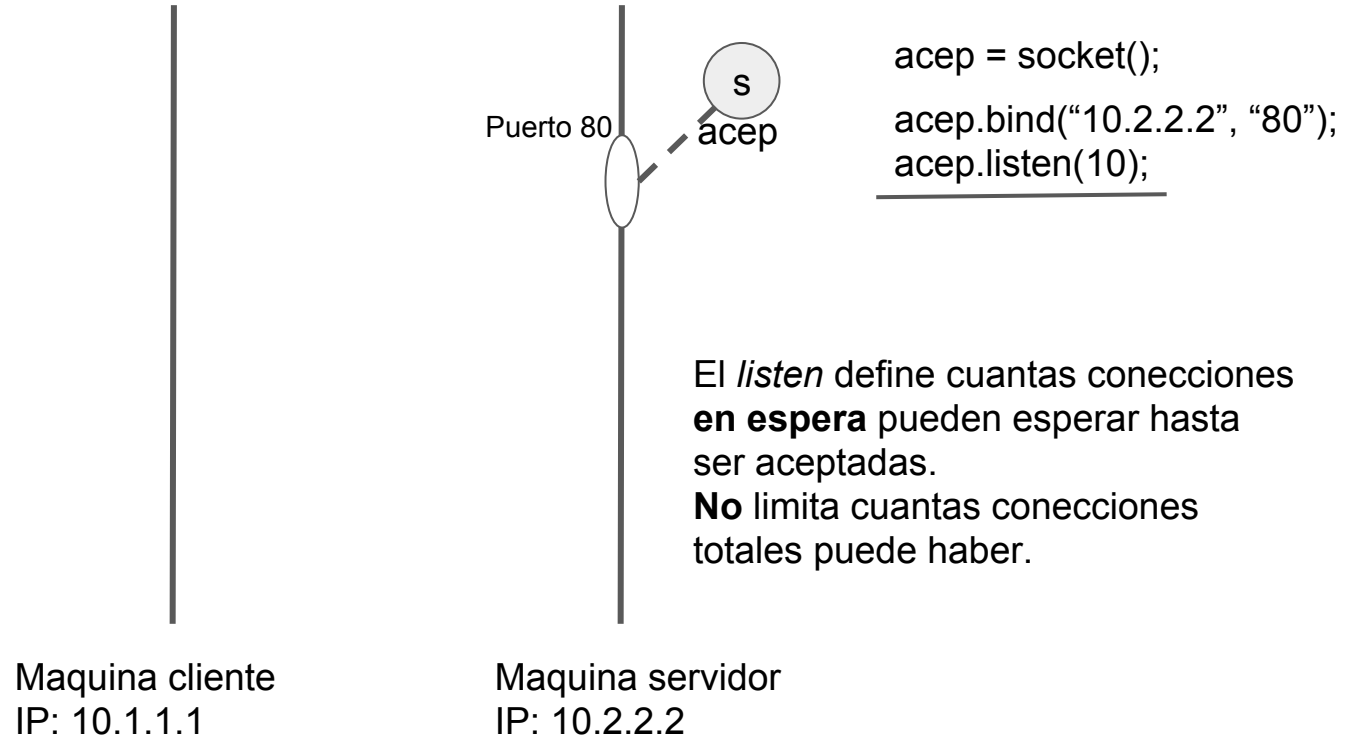
Paso a paso



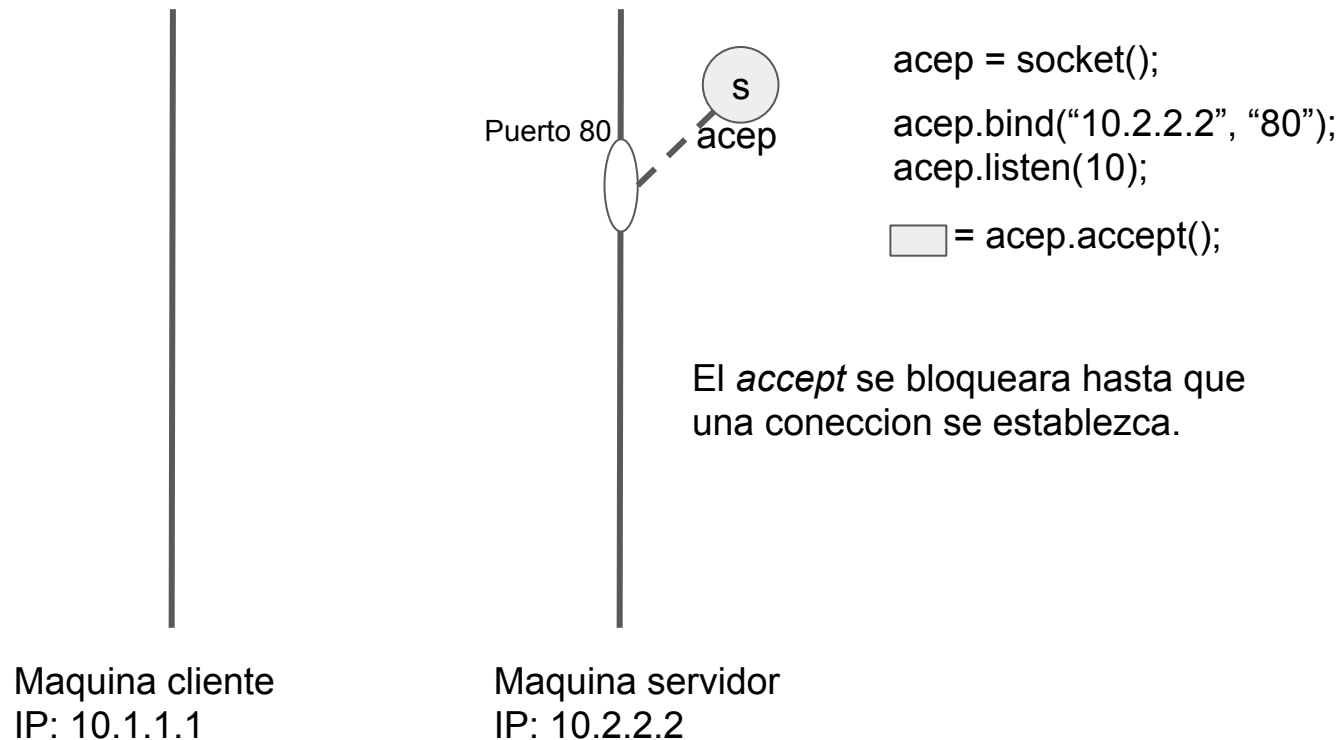
Paso a paso



Paso a paso



Paso a paso



Paso a paso

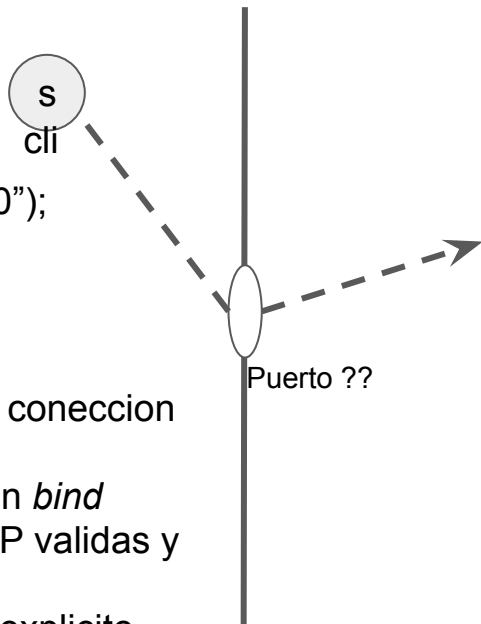
```
cli = socket();
```

```
cli.connect("10.2.2.2", "80");
```

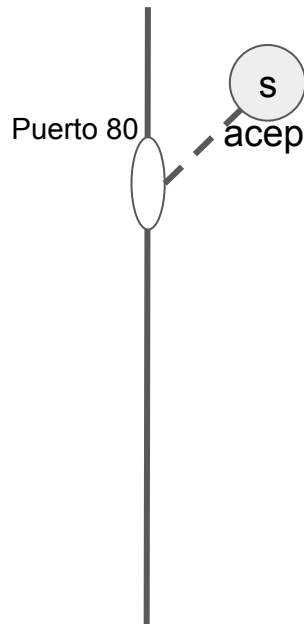
El *connect* establece una conexión a la máquina remota.

De forma implícita hace un *bind* eligiendo una interfaz e IP válidas y un puerto libre al azar.

Es posible hacer un *bind* explícito.



Maquina cliente
IP: 10.1.1.1



Maquina servidor
IP: 10.2.2.2

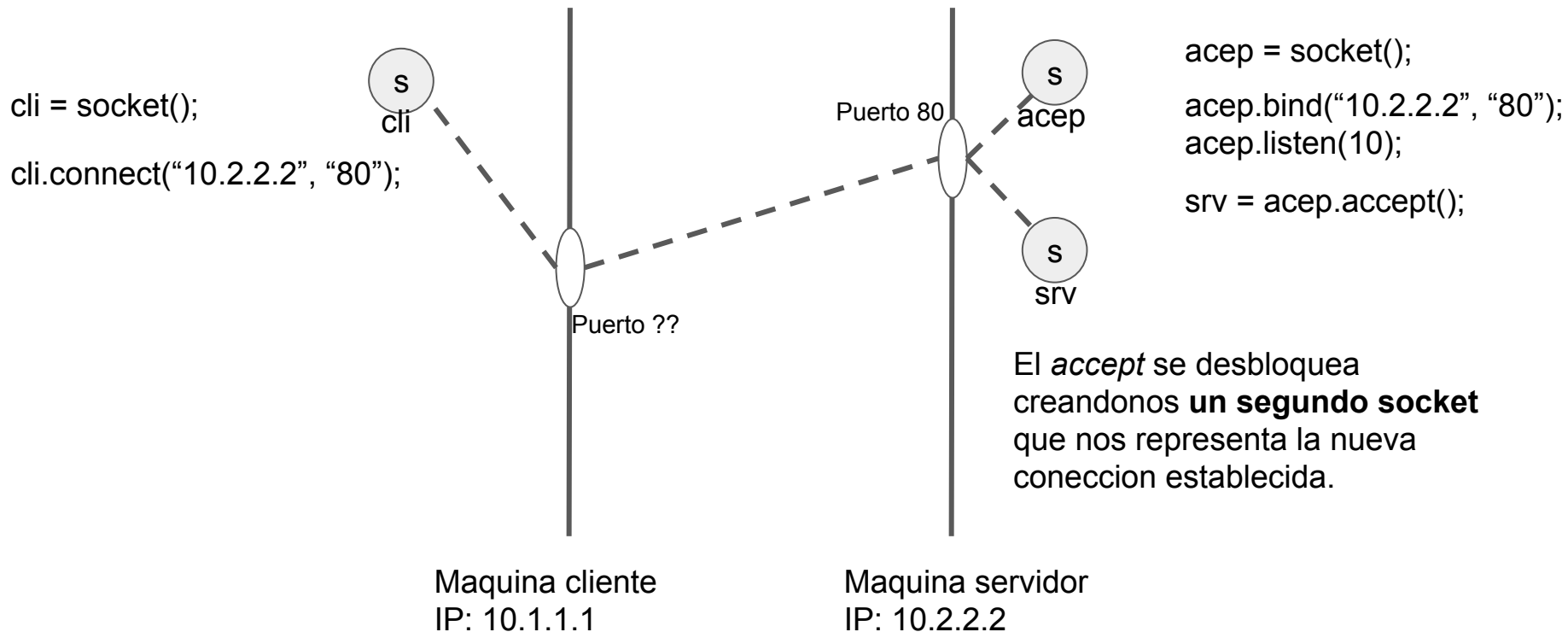
```
acep = socket();
```

```
acep.bind("10.2.2.2", "80");
```

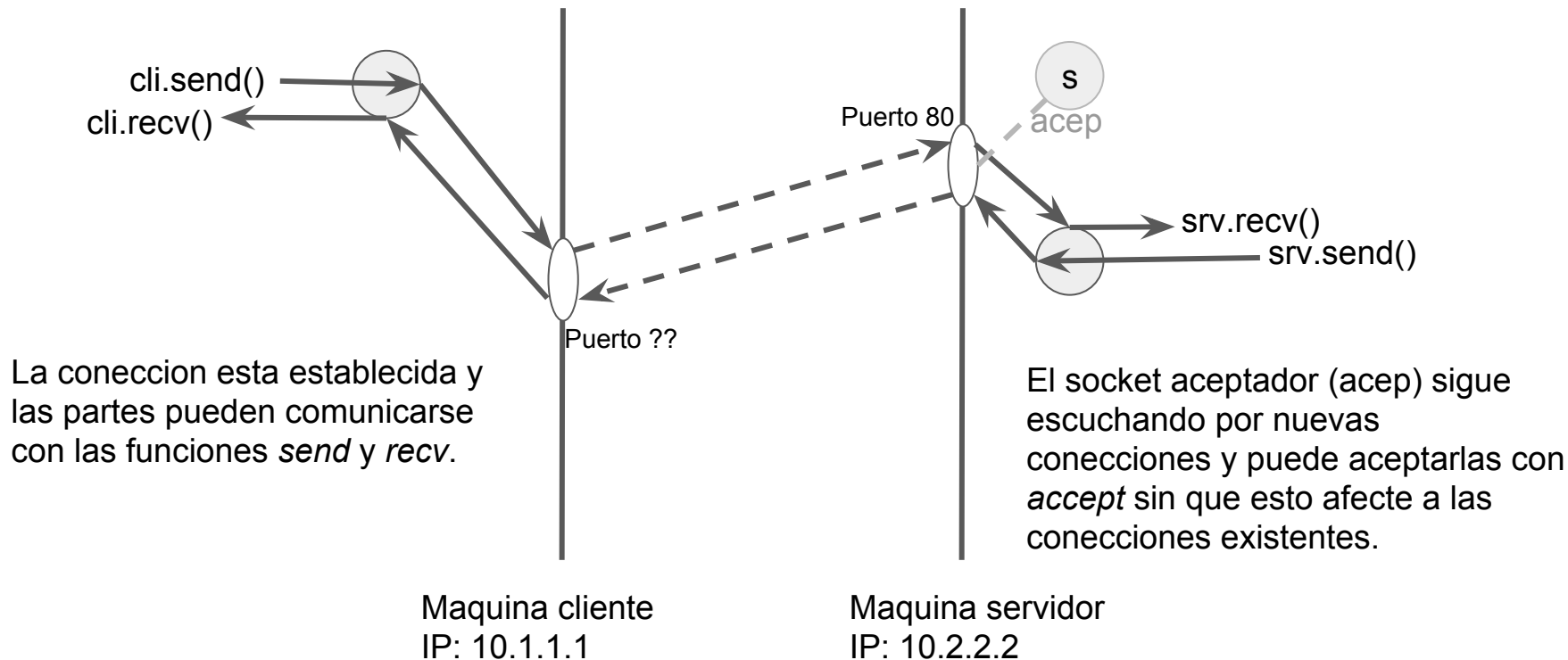
```
acep.listen(10);
```

```
□ = acep.accept();
```

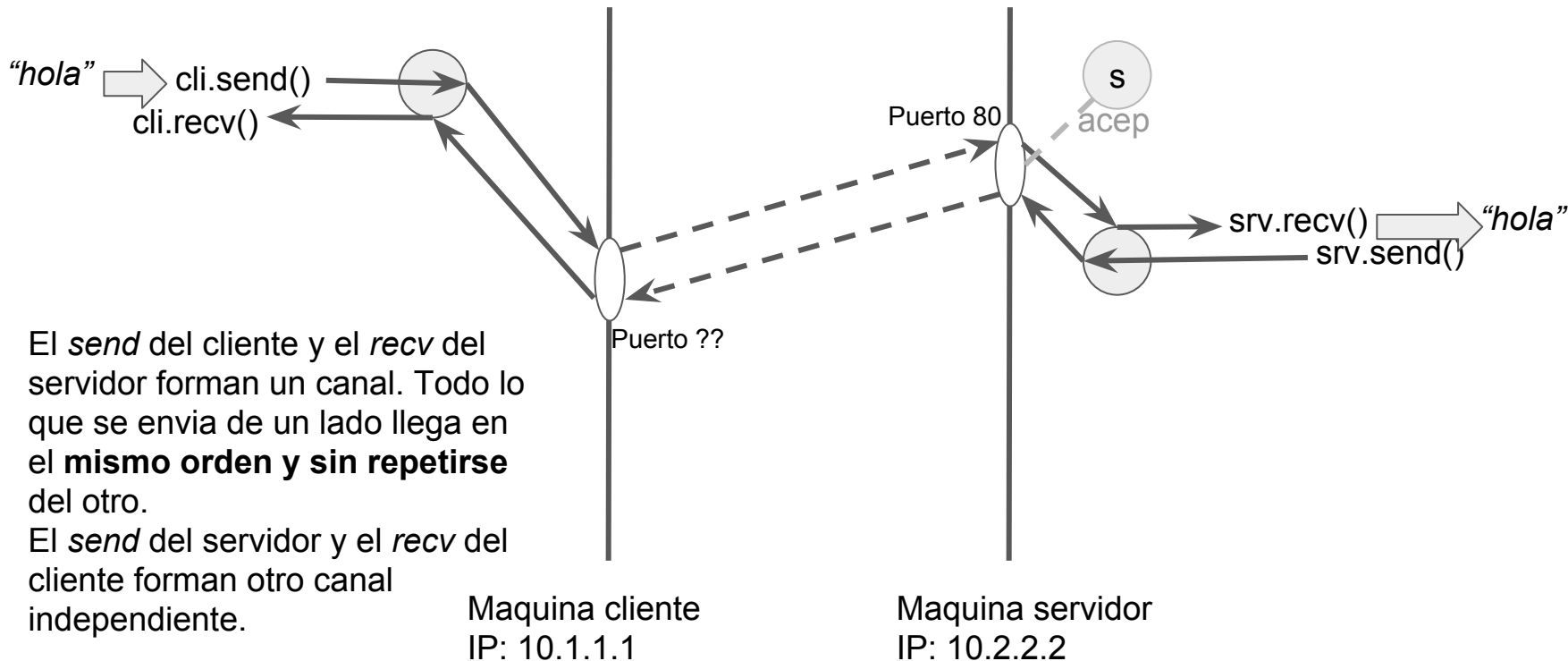
Paso a paso



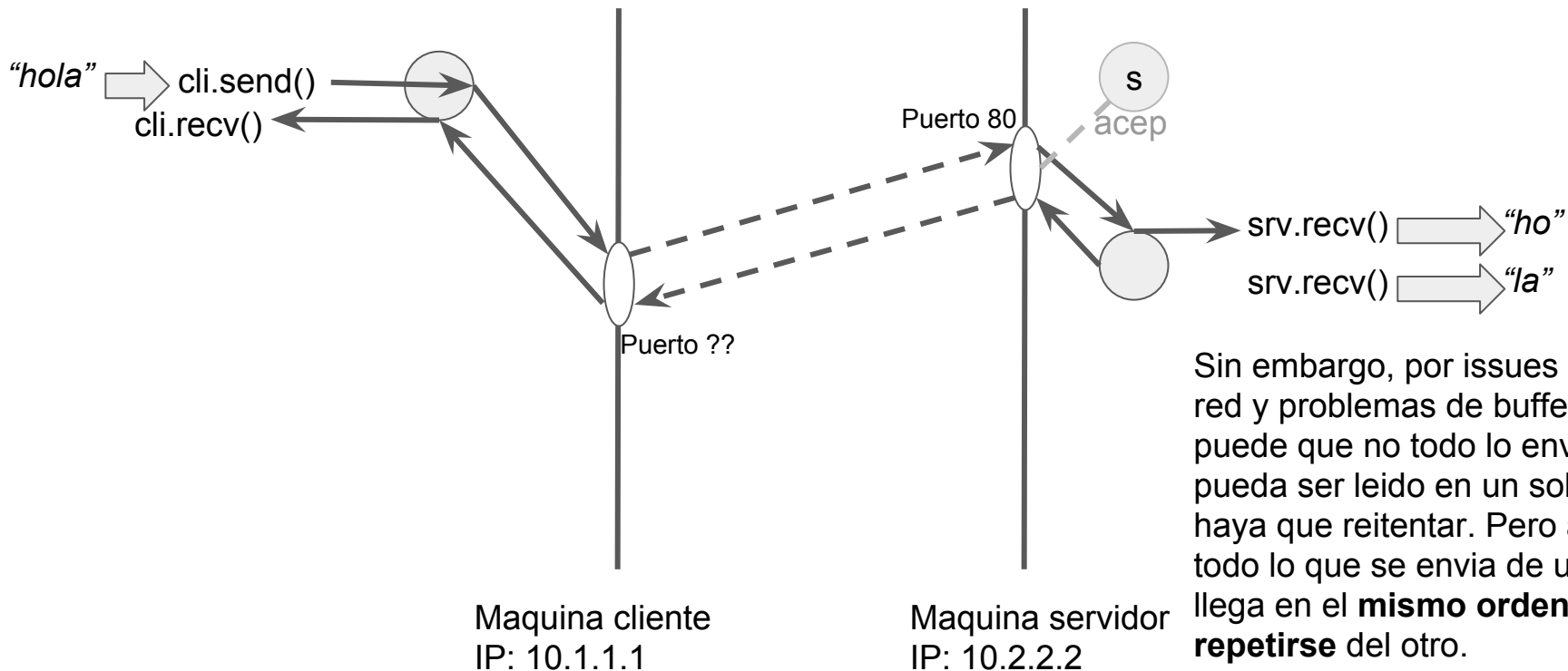
Paso a paso



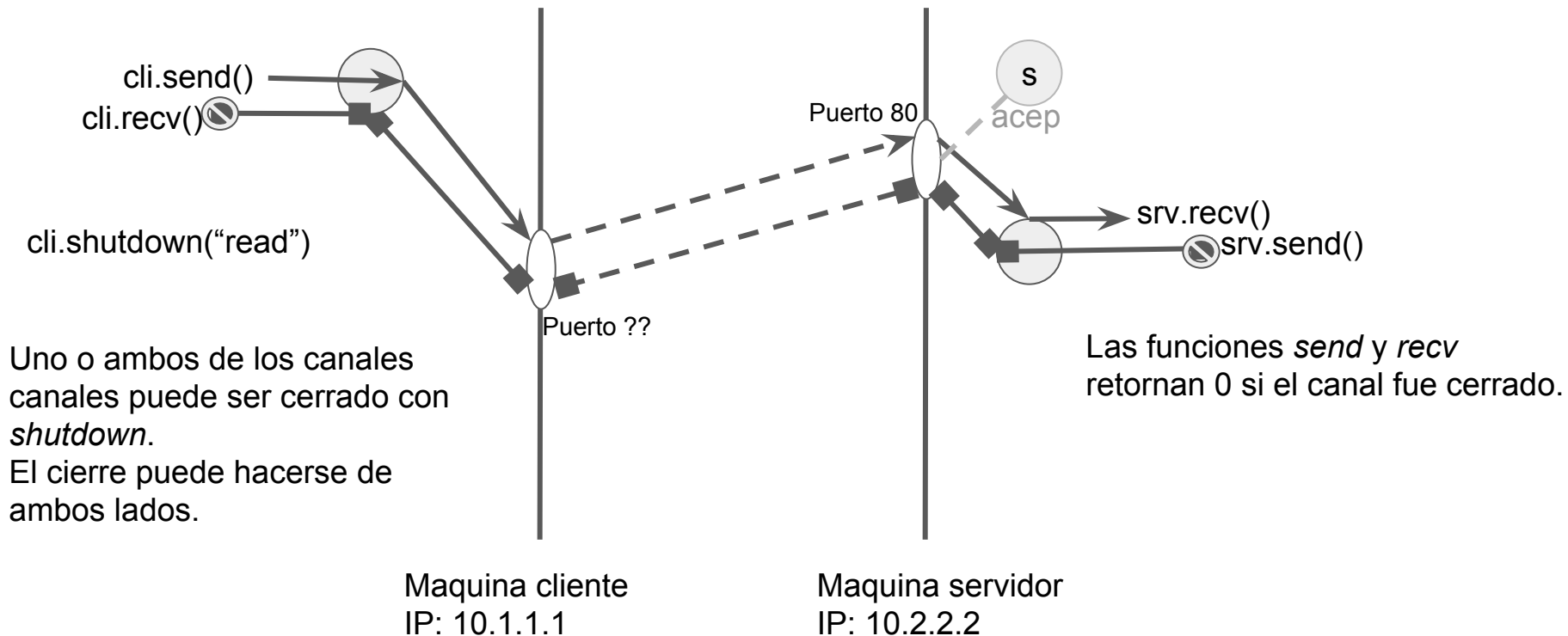
Paso a paso



Paso a paso



Paso a paso



Paso a paso

```
cli = socket();
```

```
cli.connect("10.2.2.2", "80");
```

```
cli.send / cli.recv
```

```
cli.shutdown("read-write")
```

```
cli.close()
```



Puerto 80 ??

Maquina cliente
IP: 10.1.1.1

Puerto 80



Maquina servidor
IP: 10.2.2.2

```
acep = socket();
```

```
acep.bind("10.2.2.2", "80");
```

```
acep.listen(10);
```

```
srv = acep.accept();
```

```
srv.shutdown("read-write")
```

```
srv.close()
```

Paso a paso

```
cli = socket();
```



```
cli.connect("10.2.2.2", "80");
```

```
cli.send / cli.recv
```

```
cli.shutdown("read-write")
```

```
cli.close()
```



Maquina cliente
IP: 10.1.1.1

Puerto 80



```
acep = socket();
```

```
acep.bind("10.2.2.2", "80");
```

```
acep.listen(10);
```

```
srv = acep.accept();
```

```
srv.shutdown("read-write")
```

```
srv.close()
```

```
acep.shutdown("read-write")
```

```
acep.close()
```



Maquina servidor
IP: 10.2.2.2

No hay que olvidarse de
cerrar el socket aceptador
tambien con *shutdown* y
close.