

## 1. Check processes (sequential vs concurrent)

### Command

```
ps aux | grep 'program name'
```

### What to look for

- **1 line only** → **sequential server**
  - **Several program name lines** → **concurrent server**
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## 2. Check TCP connections to the server

### Command

```
netstat -tn | grep ':port'
```

### What to look for

- Many **ESTABLISHED** connections but only one responds → **sequential**
- Many **ESTABLISHED** connections responding → **concurrent**

(Optional, with process info)

```
netstat -tupan | grep ':port'
```

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## 3. Check traffic behavior (tcpdump)

### Command

```
tcpdump -i any -nn tcp port 8888
```

### What to look for

- Replies go **one client at a time** → **sequential**
  - Replies to **multiple clients interleaved** → **concurrent**
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## 4. Easiest test (behavior)

1. Start two clients
  2. Send data from both
- One blocks → **sequential**
  - Both respond → **concurrent**
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## One-line rule (remember this)

**One server process and serialized replies → sequential. Multiple server processes and parallel replies → concurrent.**