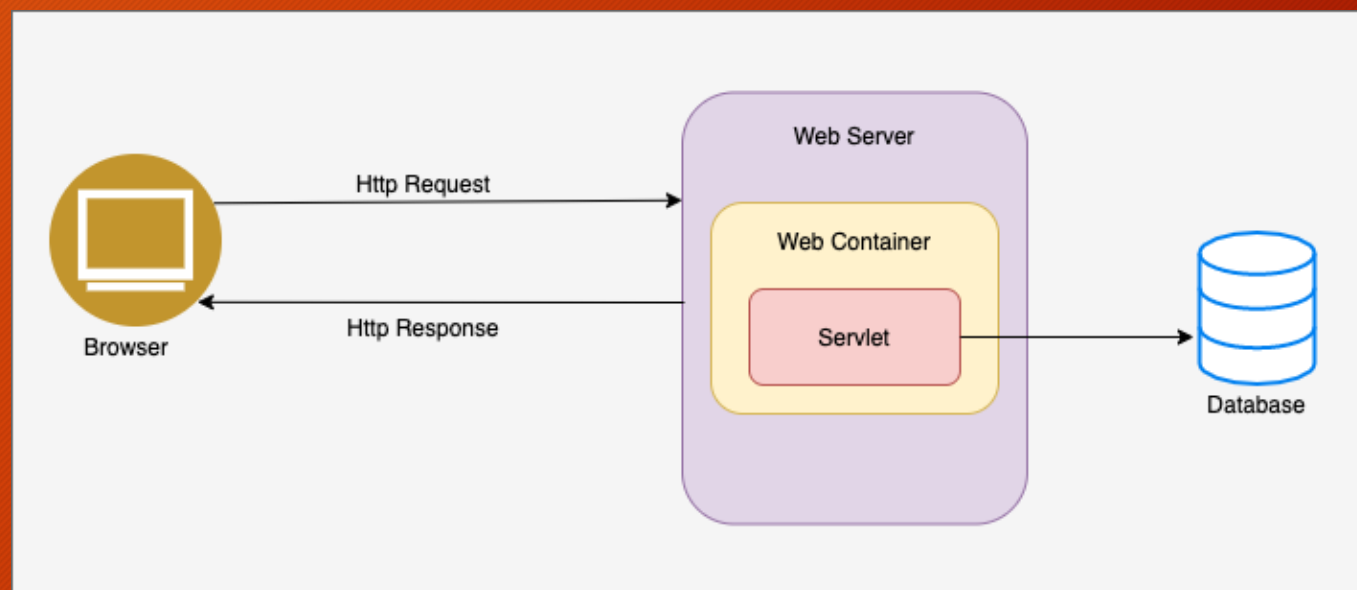# Java EE Application 1z0-900

講師:江聖榮

# Servlet

- TCP/IP如何提供WEB server(Tomcate)與Browser溝通
  - Request->Browser提出請求
  - Response->web server根據請求方式做出回應
- Servlet為java提供的 API,專門用來撰寫web server
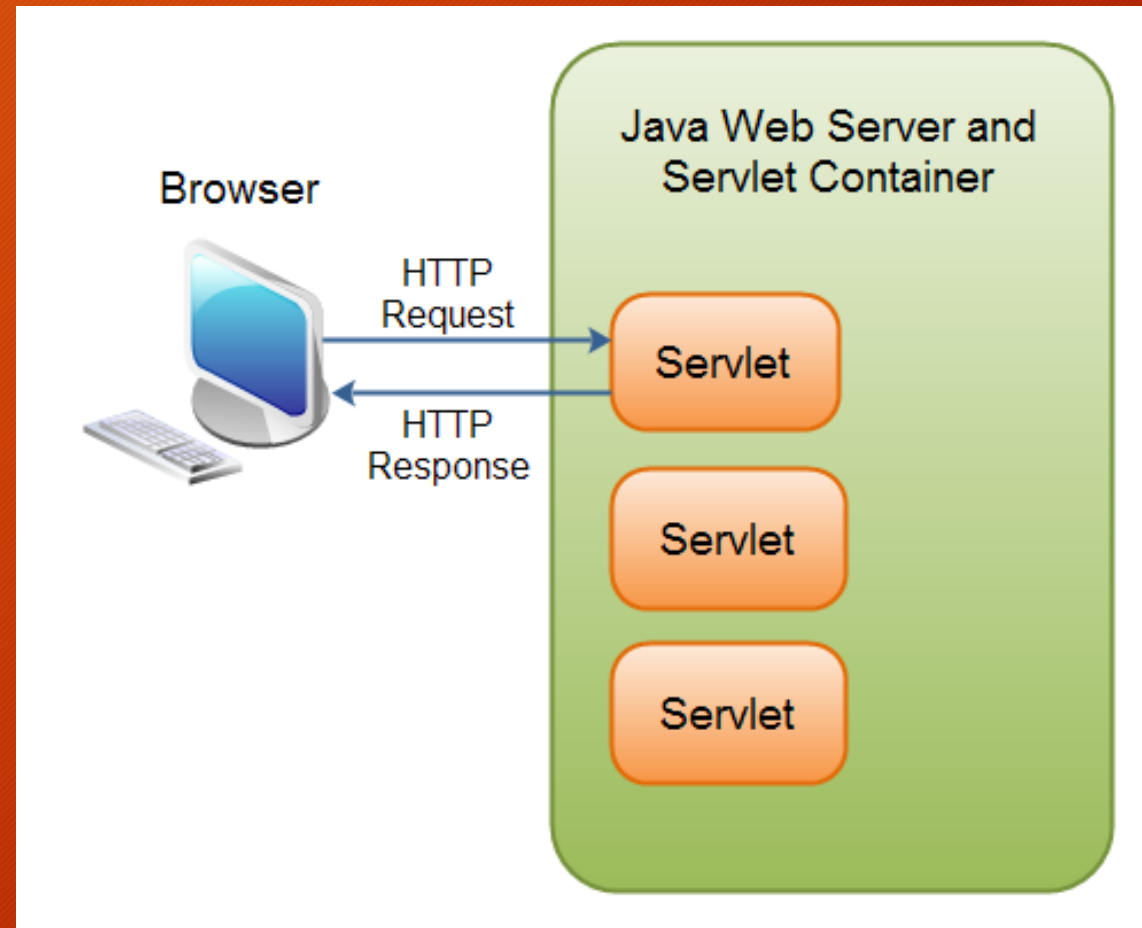  - 如何接收(request)
  - 如何回應(response)

# browser溝通使用->TCP/IP→Http協定

| HTTP Request - Headers | | |
|---|---|---|
| **Method** | **URL** | **Message Body** |
| GET | www.google.com | ——— |
| POST | www.google.com/person | |
| PATCH | www.google.com/person/id/1 | |
| PUT | | |
| DELETE | | |

# Servlet如何回應browser
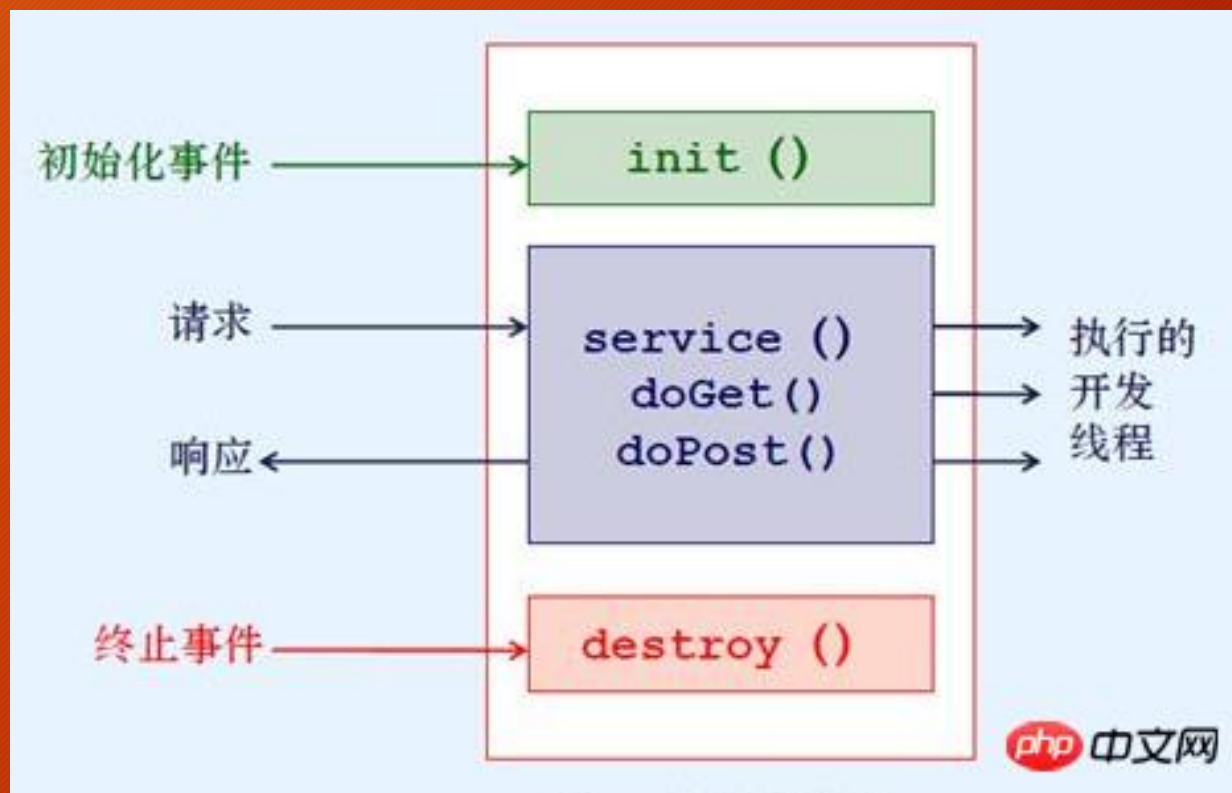
- Get->doGet()
- Post->doPost()
- Put->doPut()
- Delete->doDelete()

- Head-doHead()
- Options->doOptions()
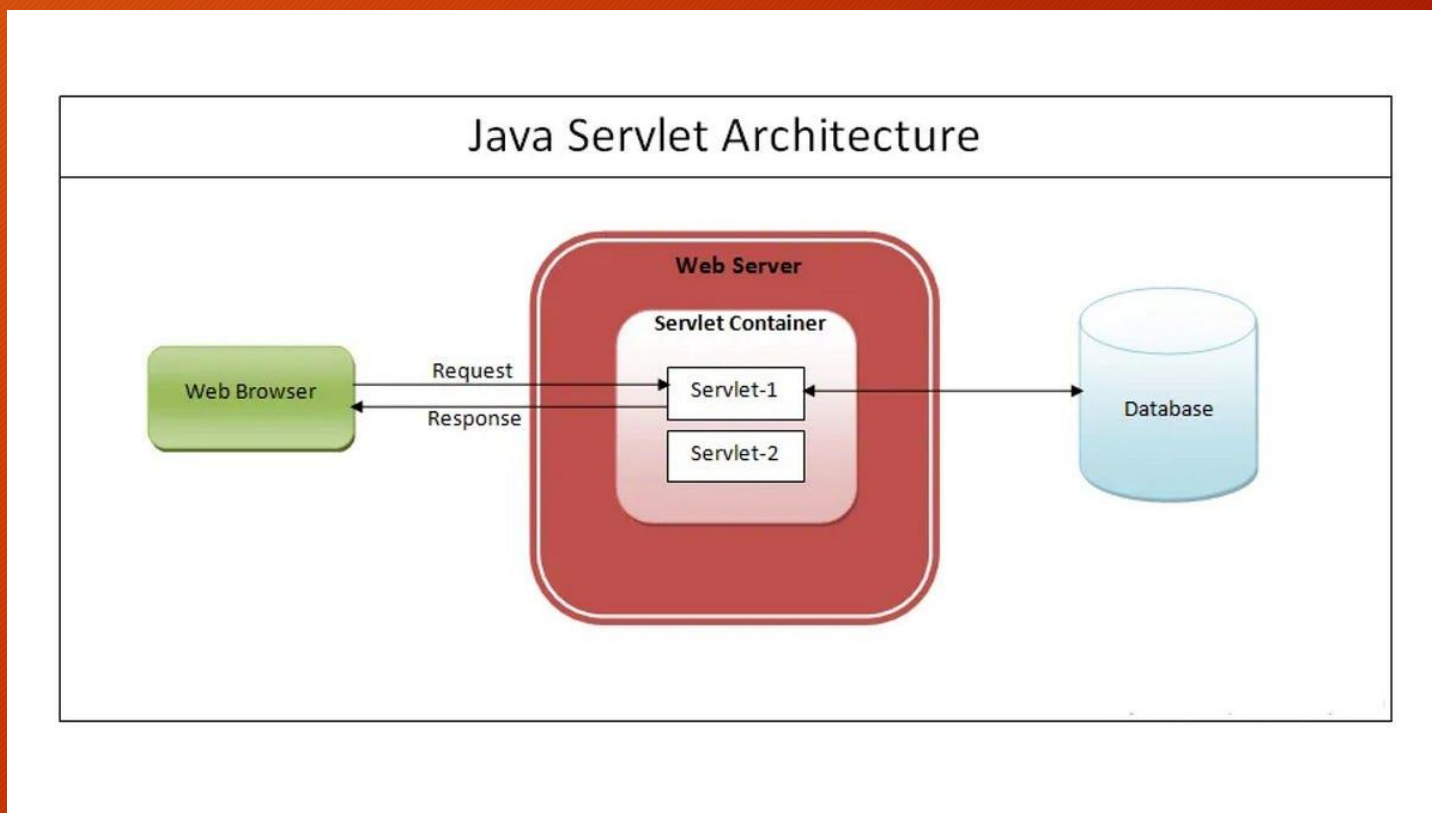- Trace->doTrace()

- Service()->http

# servlet 生命週期與架構

- @webServlet("/地址")
- Init()
- Service系列方法產生兩個
  - httpServletRequest
  - HttpServletResponse
- Destroy()

# HttpServletResponse

- 功能:回覆給browser
- 常用方法
- getWrite():PrintWriter
  - 以網頁方式回覆
- setCharacterEncoding()
  - Utf-8編碼
- setContentType()
  - 設定Html
- sendRedirect():void
  - 切換到目的頁

# httpServletRequest

- 接收browser傳遞的請求
- Form表單請求
  - 只能使用GET/POST
- 常用的接收方法
- getParameter():String
- getParameterValues():String[]
- setCharacterEncoding()
  - utf8