

Enterprise Java

Asynchronous Beans

How to Create :-

- ➡ Java with Maven -> Web Application -> Named -> Finish
- ➡ In Source Package -> new package -> named(asynch) -> new Stateless Bean -> without select Local checkmark -> named(AsynchBean) , (SynchBean)
- ➡ Then Create Servlet

What is Asynchronous Beans :-

- ➡ An asynchronous EJB allows a method to run in the background without blocking the main thread or user request. This is useful when you want to execute long-running tasks (like sending emails, generating reports, or loop processing) while still immediately responding to the user.

Meaning of Code (In Simple Words) :-

What it does?

1. When you open the URL /AsynchServlet in the browser:
 - ➡ The response **immediately shows a message in browser:**
 - ➡ Asynchronous EJB is called giving opportunity to all the methods simultaneously
 - ➡ After that, the servlet calls asynch.compute().
2. Inside compute():
 - ➡ It calls goLoopA() and goLoopB() using @Asynchronous.
 - ➡ These two methods run **in separate background threads.**
 - ➡ They print values of i and j every 1 second in the **server console**, not on browser.