

Why Destroy method does not called in the prototype scope?

In Spring Core, the reason destroy-method does not get called on prototype-scoped beans is because of how Spring manages bean lifecycles.

Singleton scope

- Spring creates the bean once per container.
- Spring manages its full lifecycle: creation → initialization → destruction.
- When the container shuts down, Spring calls the destroy()

Prototype scope

- Spring creates a new bean instance each time it is requested.
- After returning the bean to the caller, Spring does not keep track of it anymore.
- Because Spring is no longer managing that bean, it does not know when it is safe to destroy it, so:
 - destroy-method is not called automatically.