



Spring Core – Introduction



Presented by



Spring Framework

A software framework is a re-usable design for a software system.

Application Framework : A framework that is fit for any type of application

Ex : Stand Alone, Web, Enterprise, Persistence applications etc.

Spring is an Application Framework Developed by



Spring Framework ...

- A modular framework, i.e., spring framework is a layered architecture
 - Allows selection of components based on the need in a real time application
- Ex:
 - Modelled component – POJO, JDBC,
 - MVC components – Spring MVC
 - ORM Components – Hibernate integration
- Spring is non-invasive
- Non - Invasive – Does not force to implement the frameworks classes
- Ex : Struts is invasive – Need to use the built-in classes and overriding their methods (Action class methods) - Use everything (MVC) of Struts



Light Weight Framework

- Light Weight Framework –

- Heavy weight frameworks **depend on the classes to hook components into them**

Ex : Struts / EJB – Code is dependent on built in classes
Action, (Forces to use them)

- Light weight - Lightweight framework **does not depend on classes to hook components into them!**

Uses user defined classes and methods.



Spring Benefits

- An alternative / replacement for the Enterprise Java Bean (EJB) model
- Flexible - Programmers decide how to program.
 - Example : User will define methods in a **single controller**
 - instead of having lifecycle methods (for servlets)
- Not exclusive to Java (e.g. .NET)
- Solutions to typical coding busywork – Do not use everything of Spring



