Spring Modules

Java spring modules list

- **Spring Core Container**: This is the base module of Spring and provides spring containers (BeanFactory and ApplicationContext).[6]
- **Aspect-oriented programming**: enables implementing cross-cutting concerns.
- **Authentication and authorization**: configurable security processes that support a range of standards, protocols, tools and practices via the Spring Security sub-project (formerly *Acegi Security System for Spring*).
- **Convention over configuration**: a rapid application development solution for Spring-based enterprise applications is offered in the Spring Roo module
- **Data access**: working with relational database management systems on the Java platform using JDBC and object-relational mapping tools and with NoSQL databases
- **Inversion of control container**: configuration of application components and lifecycle management of Java objects, done mainly via dependency injection
- **Messaging**: configurative registration of message listener objects for transparent message-consumption from message queues via JMS, improvement of message sending over standard JMS APIs
- **Model–view–controller**: an HTTP- and servlet-based framework providing hooks for extension and customization for web applications and RESTful Web services.
- **Remote access framework**: configurative RPC-style marshalling of Java objects over networks supporting RMI, CORBA and HTTP-based protocols including Web services (SOAP)
- **Transaction management**: unifies several transaction

management APIs and coordinates transactions for Java objects

- **Remote management**: configurative exposure and management of Java objects for local or remote configuration via JMX
- **Testing**: support classes for writing unit tests and integration tests