

# Bootstrapping a Simple Application

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# Overview



**Spring Initializr**

**Automatic configuration**

**Annotations**

**Profiles**



# Spring Initializr

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# Demo



**Spring Initializr**

**Project in IntelliJ**

**Launch application**

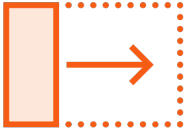


# Spring Boot CLI

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# Spring Boot CLI



**Generate a project using the CLI**



**Some developers prefer over Spring Initializr**



**Install CLI using Homebrew**



# Demo



Initialize a new project

Execute an application



# Auto Configuration in Action

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Auto-configuration is a very useful and powerful feature of Spring Boot, which takes a “convention-over-configuration” approach.



# How it Works

## Process

Finds JARs on the classpath  
and auto-configures bean

## Auto-configures

Data source for Hibernate or  
DispatcherServlet for Spring  
MVC



# Automatic Configuration



## Beans

Add your own beans, like a datasource bean

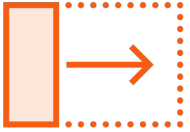


## Database Support

Default embedded database support backs away



# Auto-Configuration Insights



Start application with `--debug` switch



Add a simple property to `application.properties`



Use the Spring Boot Actuator



# Demo



Enable debug logging

Demo auto-configuration



# Annotations

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# @SpringBootApplication Annotation

## **@SpringBootConfiguration**

Replaces @Configuration and annotates a class as a configuration

## **@EnableAutoConfiguration**

Tells Spring Boot to configure beans

## **@ComponentScan**

Tells Spring Boot to scan current package and subpackages



# Spring Boot Properties

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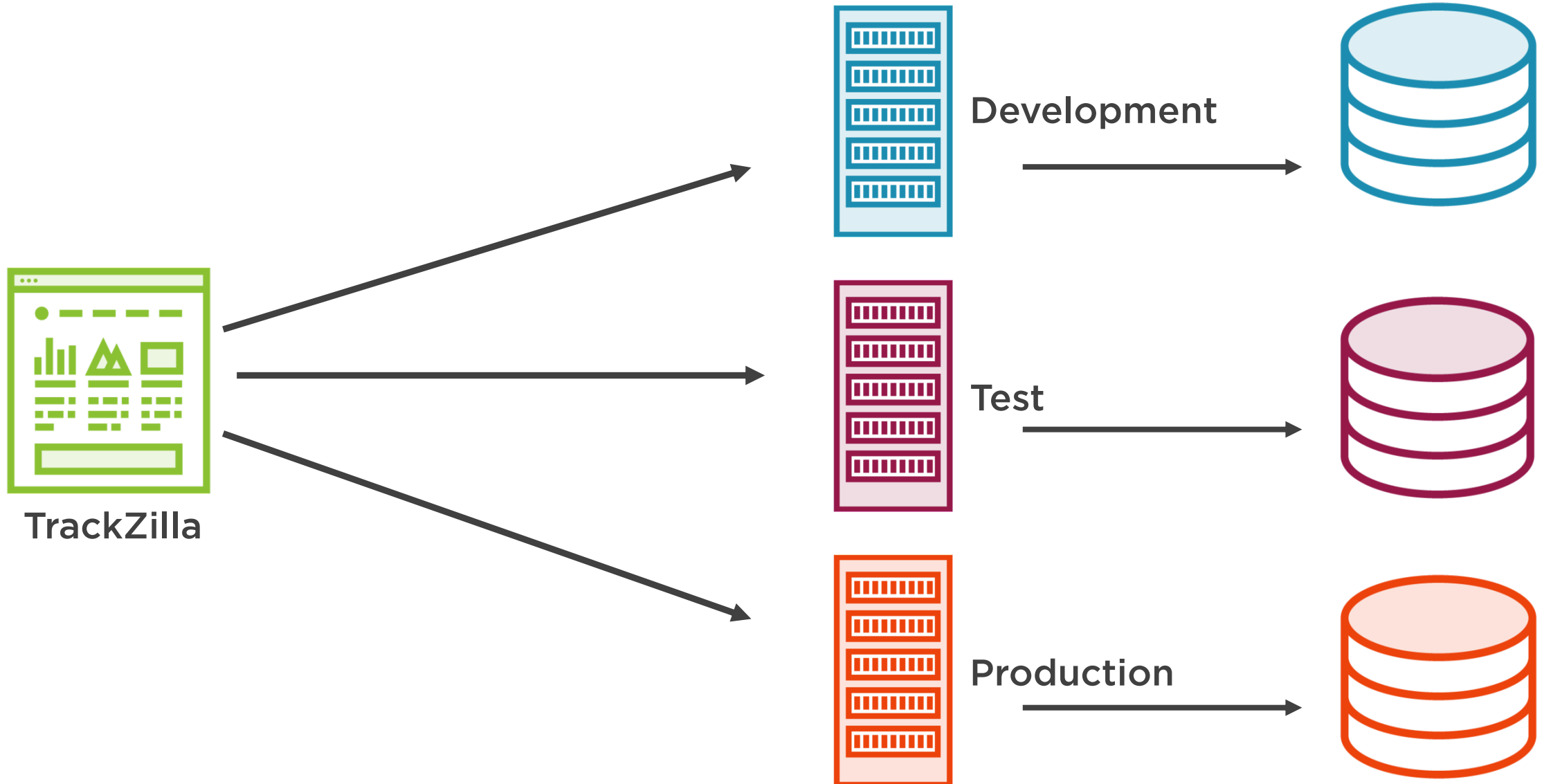


# Spring Boot Profiles

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# Different Environments



```
spring.profiles.active = dev
```

```
applications-{profile}.properties
```

```
applications-dev.properties
```

```
applications-test.properties
```

```
applications-prod.properties
```

◀ Define active profile

◀ Naming format

◀ Dev profile

◀ Test/QA profile

◀ Prod profile



# Summary



**Spring Initializr**

**Spring Boot CLI**

**Auto-configuration**

**Annotations**

- `@SpringBootApplication`

**Spring Boot profiles**

