

Hot Deployment



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Overview

- Classloaders give us the ability to reload classes dynamically
 - Can ship new code to the application without having to unload the application

Hot Deployment

- Hot deployment is redeployment of changed classes
 - works just like side by side deployment
 - on temporal axis instead of spatial axis
- Hot deployment lets server stay up
 - needed in 24/7 deployment scenarios
 - possible to replace code piecemeal

Hot Deployment

```
ClassLoader mondayLdr = new URLClassLoader(custlurls);  
Class mondayClass = Class.forName("MainClass", true, mondayLdr);
```

```
ClassLoader fridayLdr = new URLClassLoader(custlurls);  
Class fridayClass = Class.forName("MainClass", true, fridayLdr);
```

```
mondayClass != fridayClass
```

Summary

- Classloading lets applications hot load code
 - Allows 24/7 operation of servers