

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(cust1urls);  
Class mondayClass = Class.forName("MainClass", true, mondayLdr);
```

```
ClassLoader fridayLdr = new URLClassLoader(cust1urls);  
Class fridayClass = Class.forName("MainClass", true, fridayLdr);
```

```
mondayClass != fridayClass
```



Summary



Classloading lets applications hot load code

- Allows 24/7 operation of servers

