



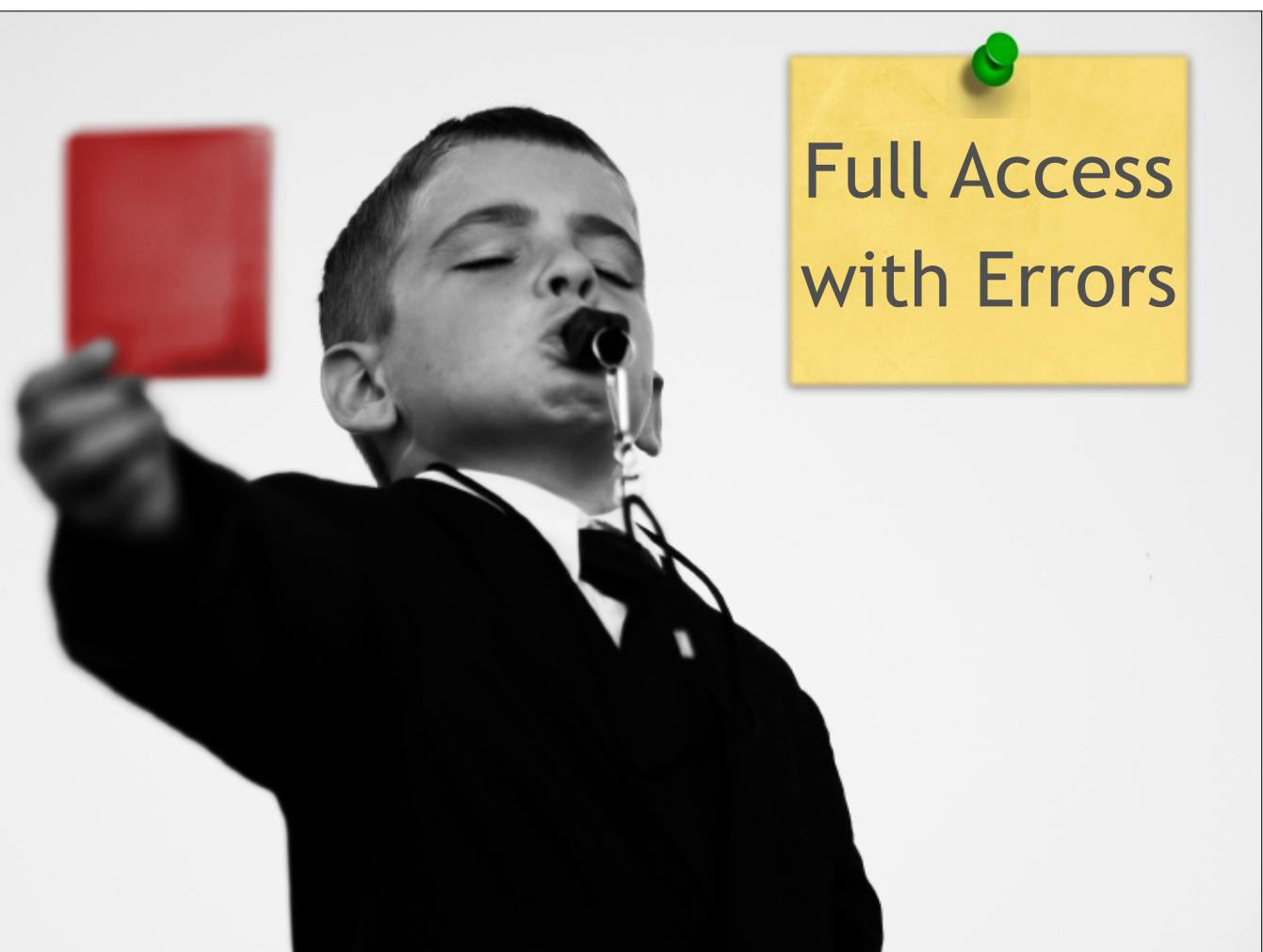
Mike Wiesner | SpringSource

GUI Security

Mike Wiesner

- Senior Consultant SpringSource Germany
- Fokus
 - Sicherheit
 - Integrationen
 - Prozesse
- Entwicklung
 - Spring Security
 - Spring Security Kerberos Extension

Ist GUI-Security wichtig?





Usability



Verborgene Informationen?





Home

Telefonliste

Raumliste

Krankheitstage Mitarbeiter

Hi mike!

Lorem ipsum dolor sit amet, consectetur
adipiscing elit. Etiam sodales mauris
justo, adipiscing hendrerit faucibus
congue ac scelerisque nec, suscipit
quis et lorem. Duis eleifend dui vita
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nostra, per inceptos himenaeos. Su
tempor vel. Vivamus dictum fermentum

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Rollenbasierte UI



JSP

```
<% if (request.isUserInRole("ROLE_ADMIN"))  
{ %>  
TOP SECRET  
<% } %>
```

```
<%@ taglib prefix="authz" uri="http://www.springframework.org/security/tags" %>
```

```
<authz:authorize ifAllGranted="ROLE_ADMIN">  
TOP SECRET  
</authz:authorize>
```



JSP

```
<% if (request.isUserInRole("RIGHT_TOPSEC"))  
{ %>  
    TOP SECRET  
<% } %>
```

```
<%@ taglib prefix="authz" uri="http://www.springframework.org/security/tags" %>  
  
<authz:authorize ifAllGranted="RIGHT_TOPSEC">  
    TOP SECRET  
</authz:authorize>
```



JSF mit ManagedBean

```
<h:outputText rendered="#{secContext.supervisor}">  
    TOP SECRET  
</h:outputText>
```

```
public class SecurityContext {  
  
    public boolean isSupervisor() {  
        FacesContext ctx = FacesContext.getCurrentInstance();  
        ExternalContext ectx = ctx.getExternalContext();  
        return ectx.isUserInRole("ROLE_SUPERVISOR");  
    }  
}
```



JSF mit eigener Komponente

```
<my:renderOnPerm perm="TOPSEC">  
    <h:outputText>TOP SECRET</h:outputText>  
</my:renderOnPerm>
```

```
<t:outputText enabledOnUserRole="TOPSEC">  
    TOP SECRET  
</t:outputText>
```

Apache
Tomahawk



Instanz-Berechtigungen



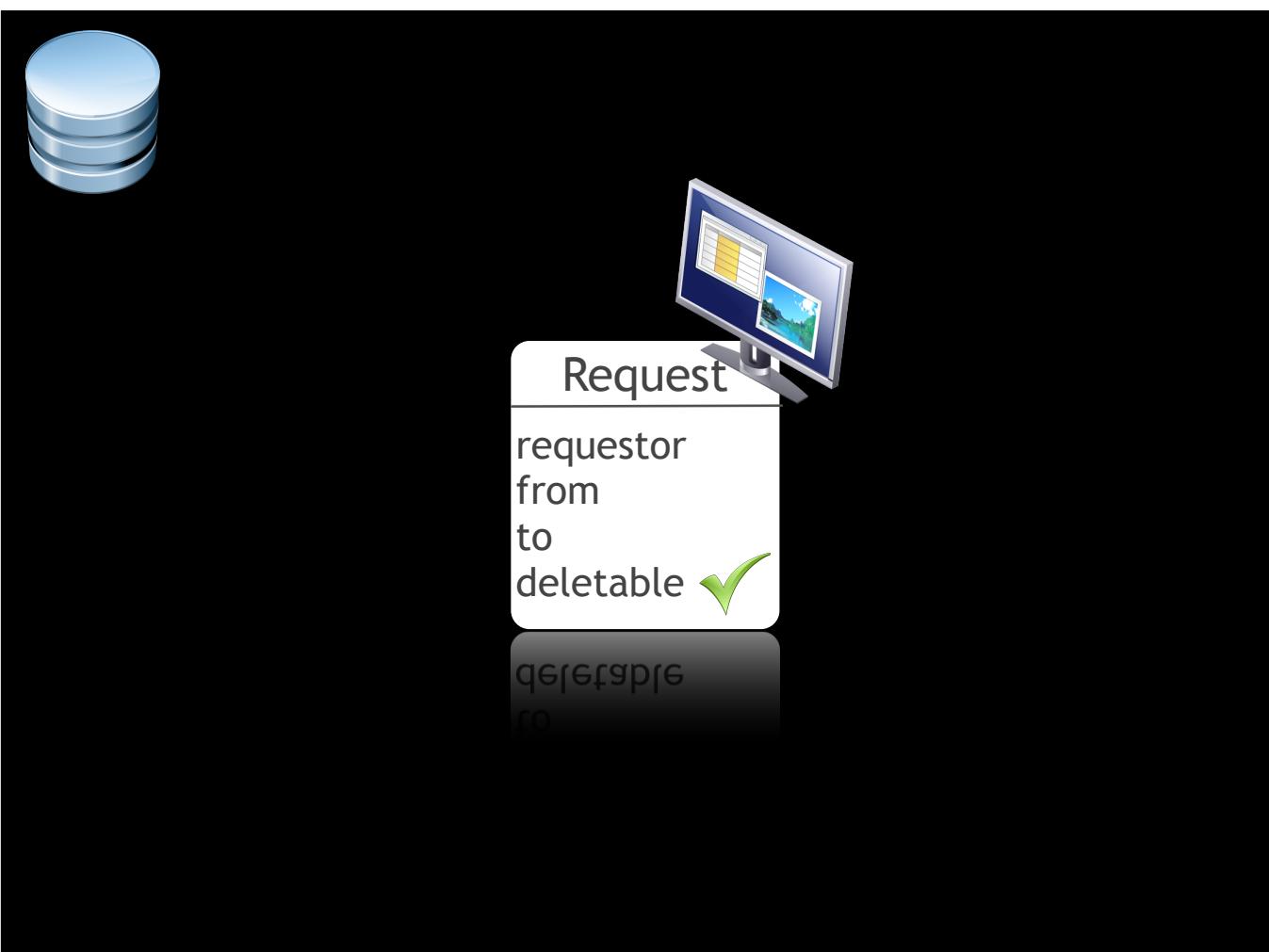
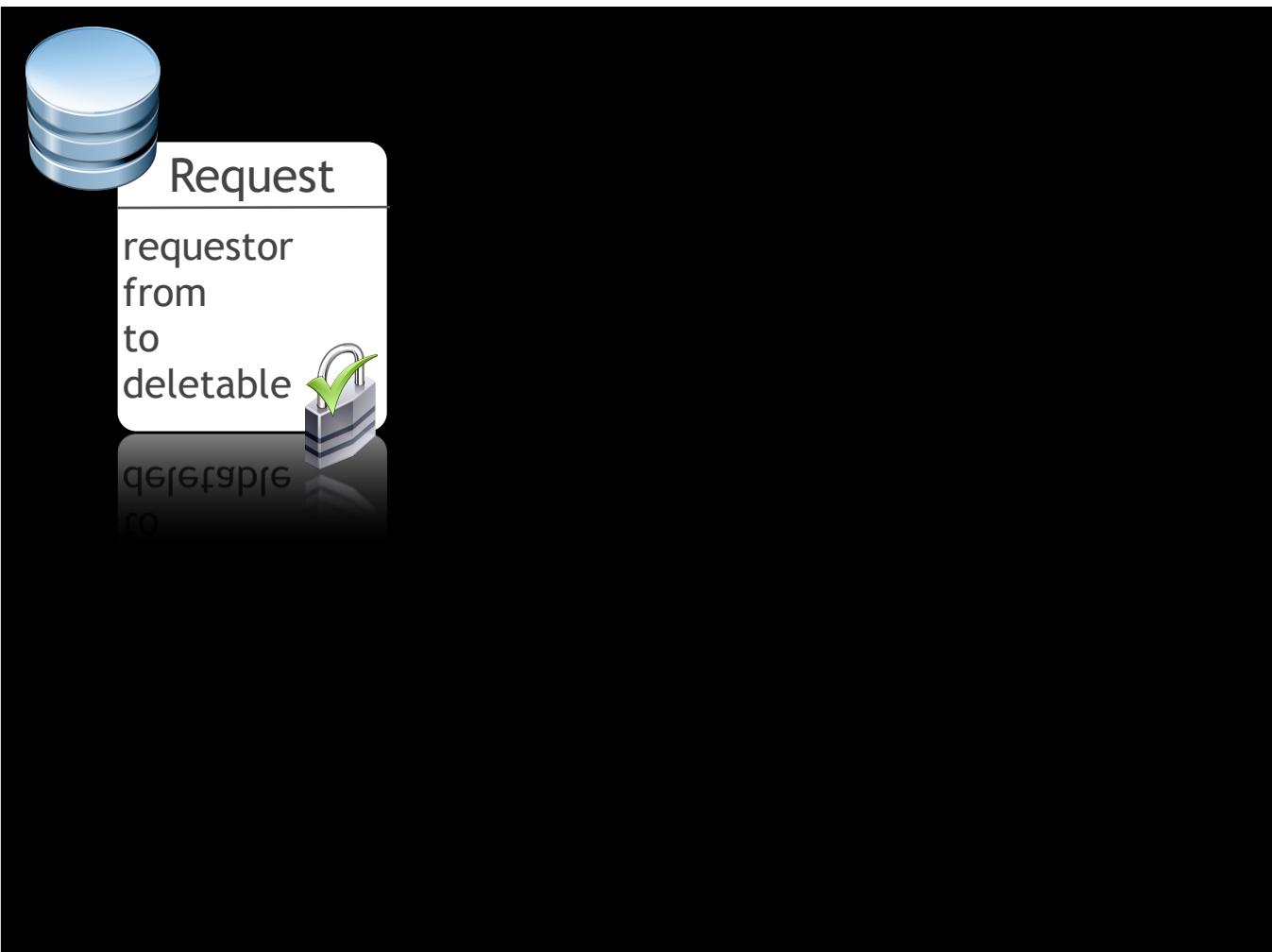
All Holiday requests

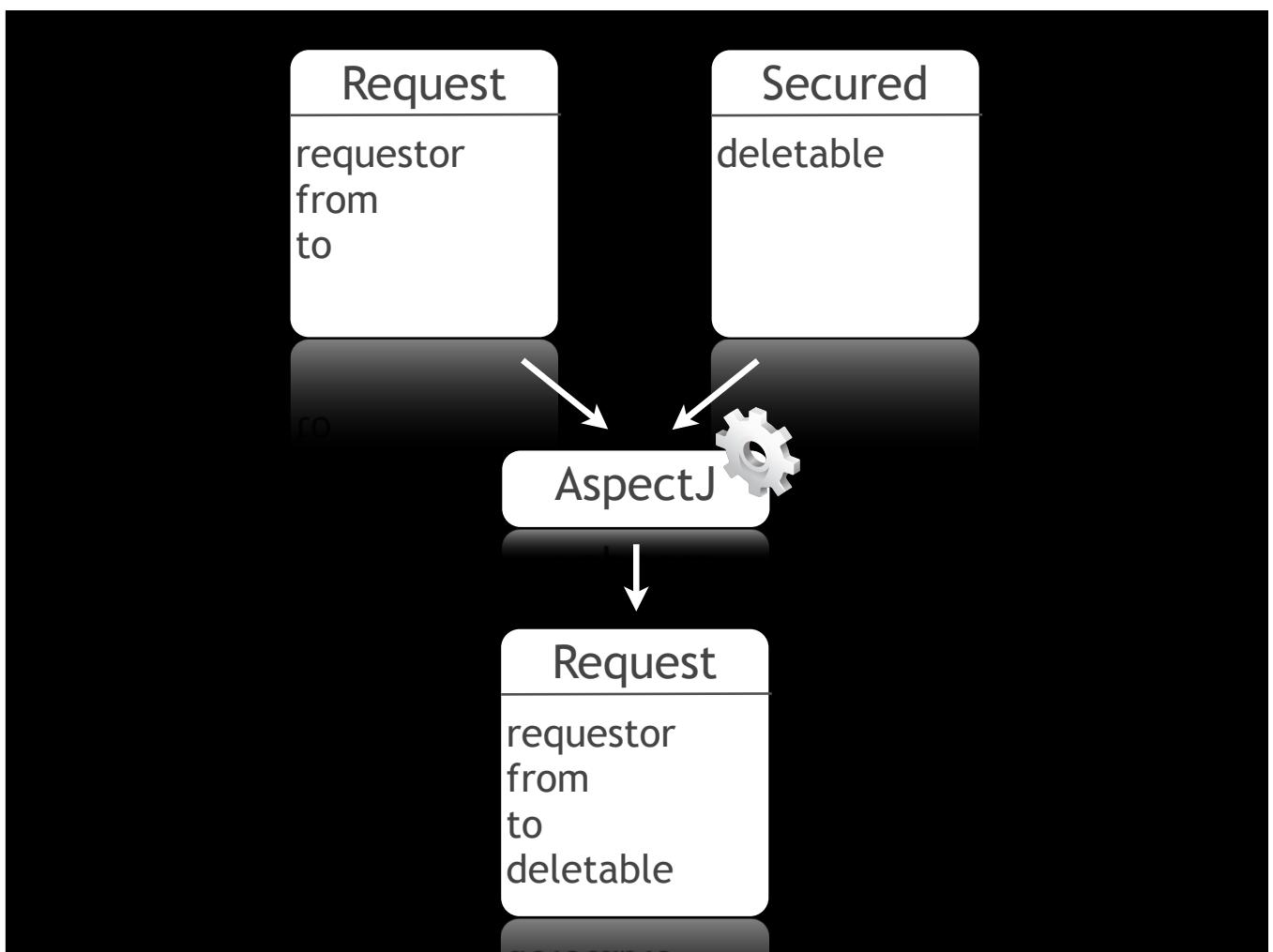
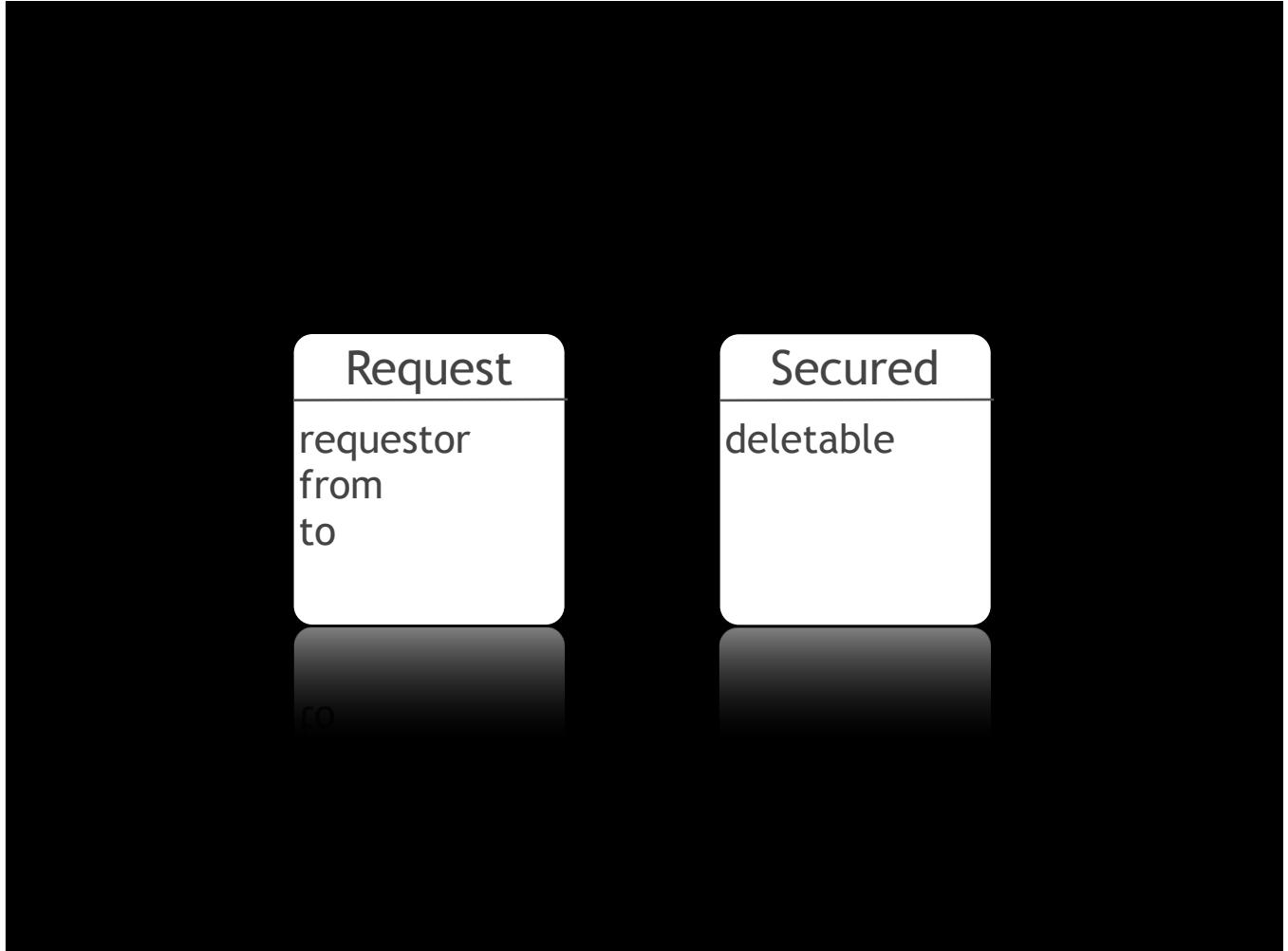
#	Requestor	Start Date	End Date	Number of days	Approved by	Cancel
2008/01	Mike Wiesner	01.08.2008	02.08.2008	2	Super Admin	Cancel
2008/01	Agim Emruli	11.08.2008	15.08.2008	5	Mike Wiesner	Cancel
2008/03	Mike Wiesner	01.09.2008	03.09.2008	3	Eberhard Wolff	Cancel
2008/02	Mike Wiesner	22.12.2008	04.01.2009	7	Eberhard Wolff	Cancel

Request

requestor
from
to
deletable

deletable
to





FAZIT

FAZIT

- GUI-Security ist wichtig
- Komponente enthält die Logik
- Rechte statt Rollen
- Instanz-Berechtigungen mit AspectJ Inter-type declarations



Mike Wiesner

mwiesner@vmware.com

www.mwiesner.com

