



Erfahrungen mit Portlets

Dipl. phys. Arne v.Irmer

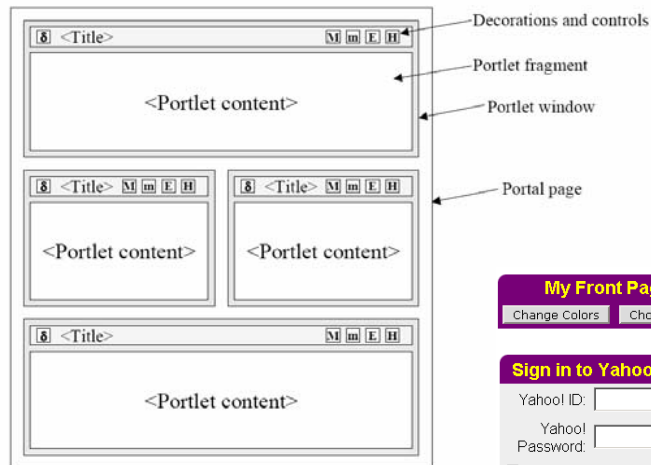
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Was sind Portlets?

Figure 4-1 Elements of a Portal Page

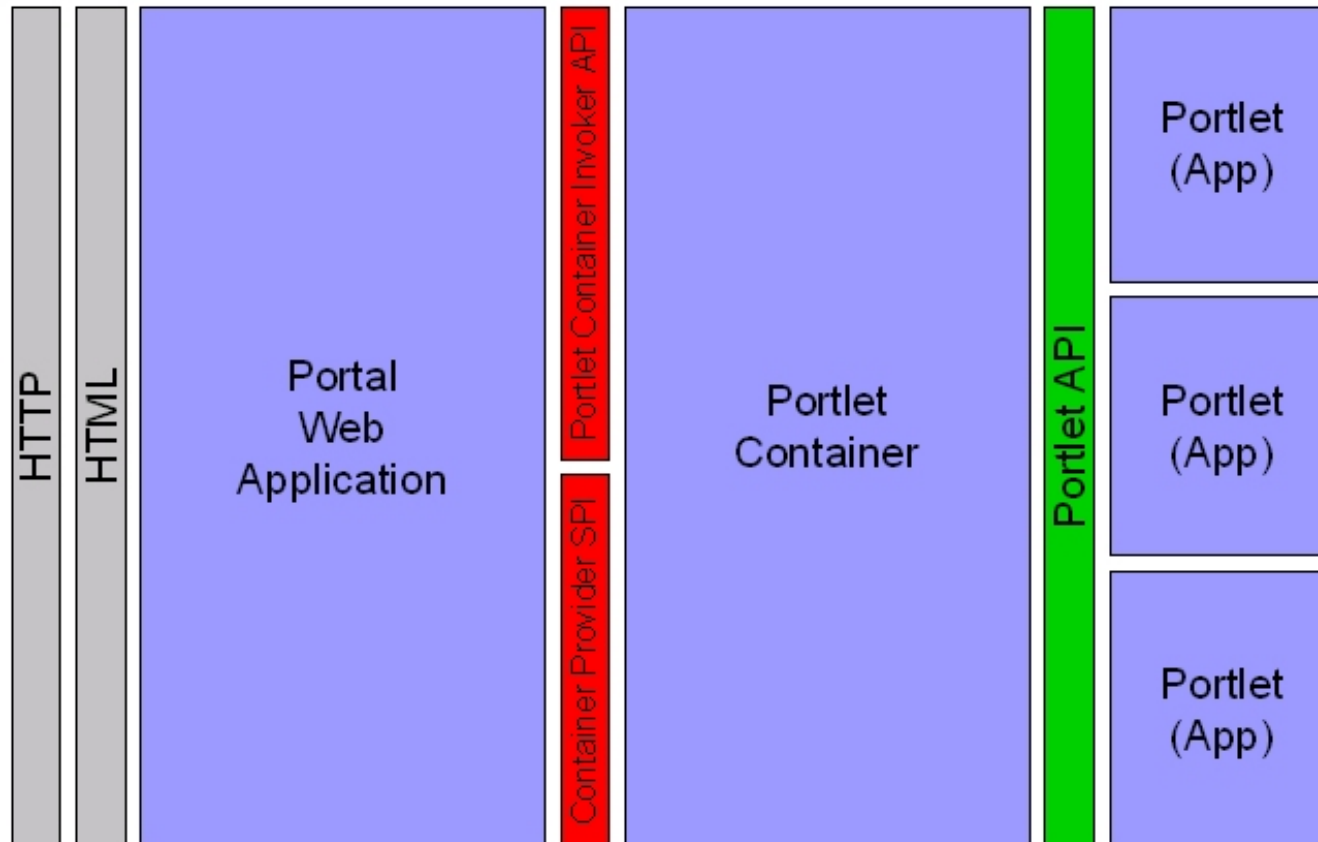


The screenshot shows a 'My Front Page' interface. At the top right, it displays 'thursday - aug 26'. Below the header are navigation links: 'Change Colors', 'Choose Content', 'Change Layout', and 'Add/Delete Pages'. A 'Back to School' banner is visible. The main content area includes a 'Sign in to Yahoo!' section with input fields for 'Yahoo! ID' and 'Yahoo! Password', and a 'Remember my ID & Password' checkbox. Below this is a 'Need help signing in?' link. A 'Free Personalized Content' section offers a 'Sign Up Now!' button. A 'Lead Photo' section features a news item: 'Iraq's Sistani Arrives in Najaf; 45 Killed in Attacks'. A 'My Front Page Headlines' section provides a link to 'Latest news, results, photos and more'. A 'Top Stories from AP' section lists news items like 'Iraq's Top Shiite Cleric Arrives in Najaf'. A 'Weather' section shows forecasts for Chicago, London, and New York.





Architektur



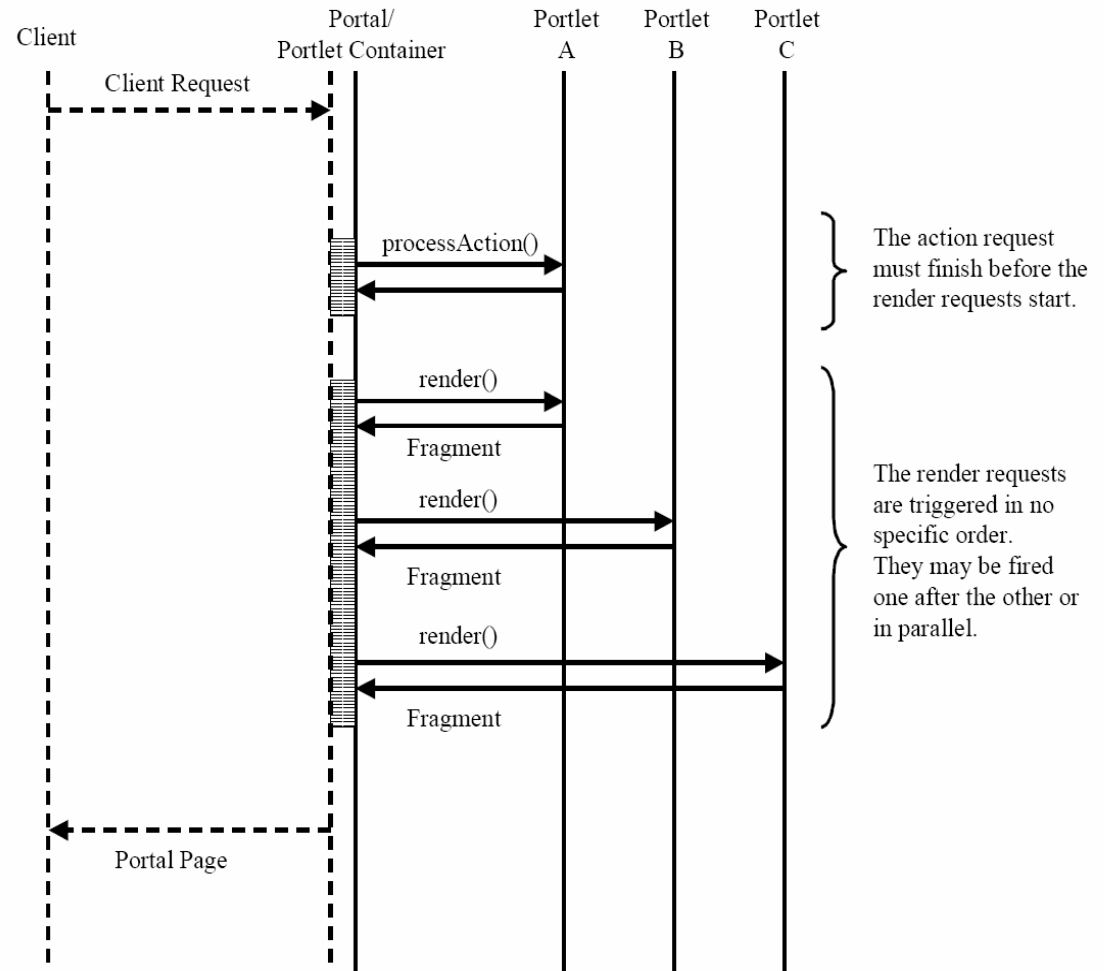
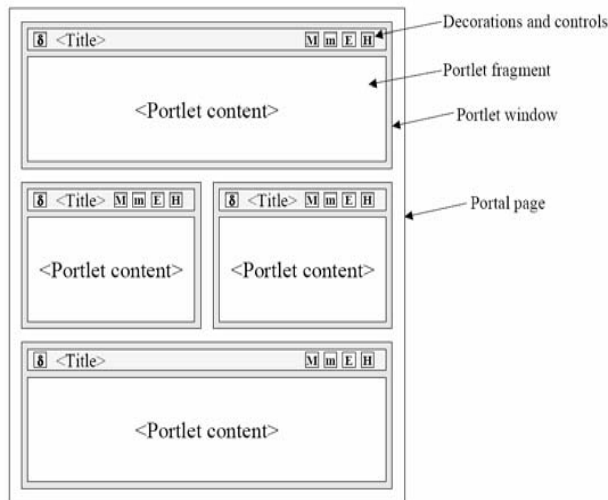
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Ablauf

Figure 5-1 Request Handling Sequence

Figure 4-1 Elements of a Portal Page





Events statt doPost/doGet

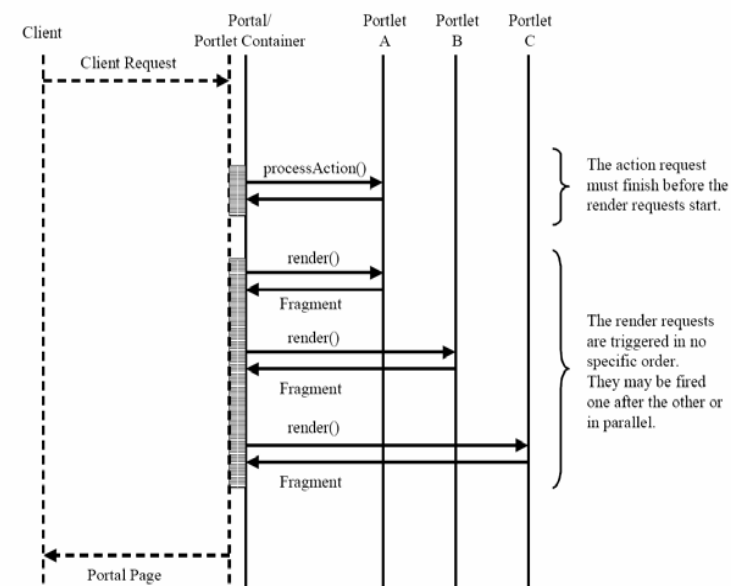
Implementieren von GenericPortlet

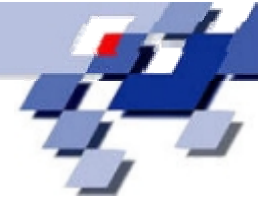
```

...
public void init() throws PortletException
public void processAction (ActionRequest request, ActionResponse response)
protected void doDispatch (RenderRequest request, RenderResponse response)

protected void doView (RenderRequest request, RenderResponse response)
protected void doEdit (RenderRequest request, RenderResponse response)
protected void doHelp (RenderRequest request, RenderResponse response)
protected void doView (RenderRequest request, RenderResponse response)
...

```



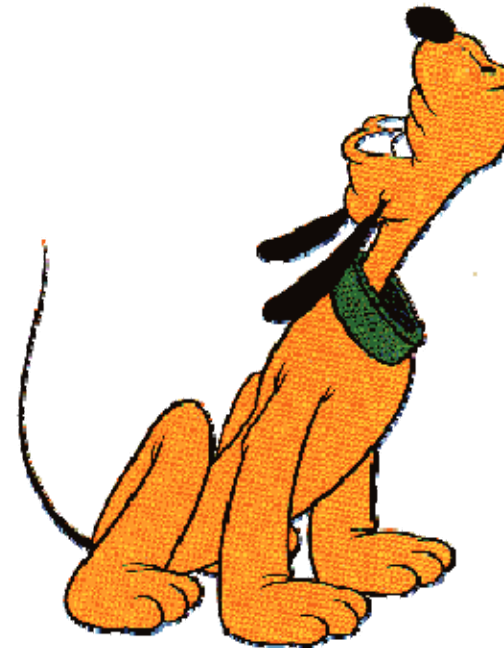


Pluto



<http://portals.apache.org/pluto/>

- + Referenzimplementierung
- + Zertifiziert JSR-168 kompatibel
- + Nur ein portlet-Container
- Nicht performanceoptimiert
- Nicht stabil
- Nicht vollständig (!)





Interportletkommunikation

Kommunikation über Attribute (teilen der Session)

```
PortletSession session = request.getSession(true);
```

```
session.setAttribute("home.url",url,PortletSession.APPLICATION_SCOPE);  
session.setAttribute("bkg.color","RED",PortletSession.PORTLET_SCOPE);
```

Aber: Bei Pluto müssen beide Portlets im selben Context sein.
Crosscontext funktioniert nicht.

Zukunft:

WSRP

(Web Services for Remote Portlet)

Content für Portlets

Portlets haben keine HEAD-Section.

Ausschließliche Verwendung von Portlet-CSS.
Keine Definition von eigenen Styles möglich

Keine Metadaten in der Ausgabe

URLs in Portlets müssen auf den Portlet-Container umgelenkt werden.

Externe Inhalte parsen.

```
PortletURL url = response.createActionURL();
```

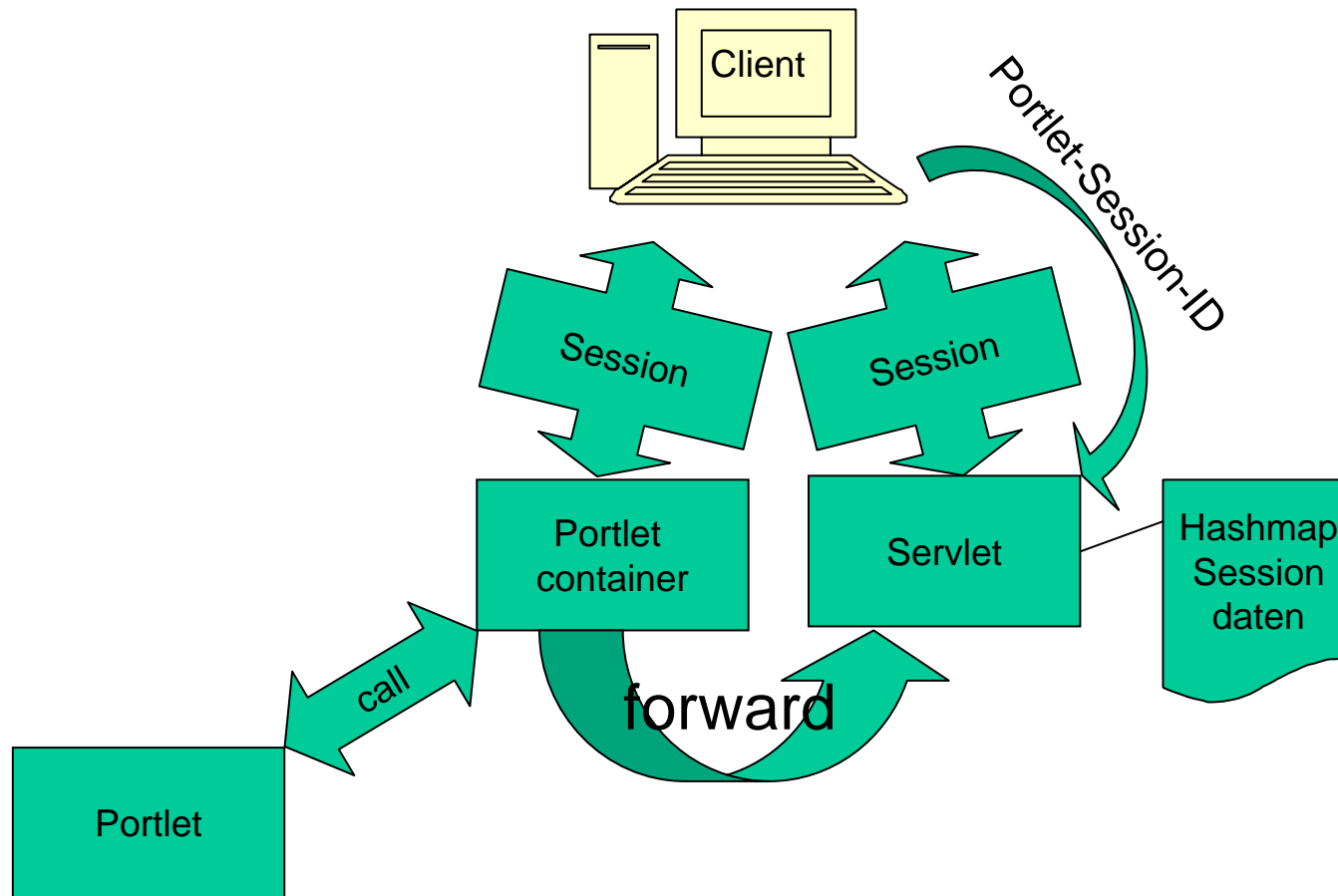
```
renderResponse.encodeURL(  
    renderRequest.getContextPath() +  
    "/images/haring1.gif");
```





Servlet-Portlet-Kommunikation

Kommunikation prinzipiell über Attribute (Session)





Keine dynamische Portlet-Verwaltung

Das macht Pluto unbrauchbar.

Alternativen?





Vielen Dank.



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