

WBF-Framework

Administration des WBF-Framework

Anmeldung

Melde Dich mit Deinem Benutzernamen und Passwort am WBF-Framework an.

Benutzername

Passwort

✓ Anmelden

Request Request Header Session (persistent) Session (transient) User Request Controller Data Action Forward Definition Request Log

Web-Anwendungsentwicklung mit dem Delivery Server

Java-Framework auf Basis der Open API

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WEBertise
Consulting

- Dipl. Informatiker (Wirtschaftsinformatik)
- 2001-2010
Produkt Manager Delivery Server /
Dir. Produkt Management OT WSM
- 2010-Heute:
IT-Berater (Webertise Consulting)
Schwerpunkte:
 - Web Content Management (OT WSM)
 - OT WSM Delivery Server Experte
 - Web Application Development

Zu meiner Person

- Aufgaben mit Anwendungscharakter effizienter lösen
 - Klare Vorgehensweise
 - Klare Trennung von Daten, Logik und Darstellung (MVC)
 - Konfigurierbar (Validierung, Berechtigung)
 - Java Logik statt vieler DynaMents
 - Nutzung etablierter Java Libraries
 - Wiederkehrende Aufgaben in ein Framework gießen (Validierung, URL Handling, ...)
- Content-zentrierte Web Anwendungen auf Basis des Delivery Server entwickeln können

Motivation

- Login- und Registrierungsprozesse
 - Logik wird einmalig und möglichst generisch implementiert
 - Variable Darstellung durch verschiedene XSL(T) Templates

The image shows a user interface for logging in and registering. It is divided into two main sections. The top section is titled 'Anmeldung' (Login) and contains a form with two input fields: 'Benutzername' (Username) and 'Passwort' (Password). Below the fields are two buttons: a green button with a checkmark and the text 'Anmelden' (Login), and an orange button with a key icon and the text 'Passwort vergessen' (Forgot password). The bottom section is titled 'Neu in der WBF-Community' (New to the WBF-Community) and contains a green button with a checkmark and the text 'Registrierung starten' (Start registration).

Anmeldung
Melde Dich mit Deinem Benutzernamen und Passwort an der WBF-Community an.

Benutzername

Passwort

Neu in der WBF-Community
...dann registriere Dich in der WBF-Community und erhalte in wenigen Minuten Deine Zugangsdaten.

Anwendungsbeispiele

- Dynamische Erzeugung von Target-DynaMent Constraints
 - Auf Basis von vielen Eingabeparametern werden komplexe Constraints in Java erzeugt.

Inhalte filtern

Wähle nachfolgende Tags und Kategorien, um die Liste der News einzuschränken.

Tag Cloud Und Oder
aaaa bbbb cccc dddddd
ddddddd eeee test1
test2 test3 test4 test5
test6 test7

Kategorie Filter
Service Internes
Unternehmensnachrichten

Anwendungsbeispiele

Hi Bernfried Howe Administration My Profile

WBF-Framework

Administration of the WBF-Framework

Change your profile.
Make your profile changes in the following form.

Email	bernfried.howe@...
Firstname	Bernfried
Lastname	Howe
Password	
Password (repeated)	
Language	English
Timezone	Europe/Berlin

Save Changes

WEB-MODULES
Settings

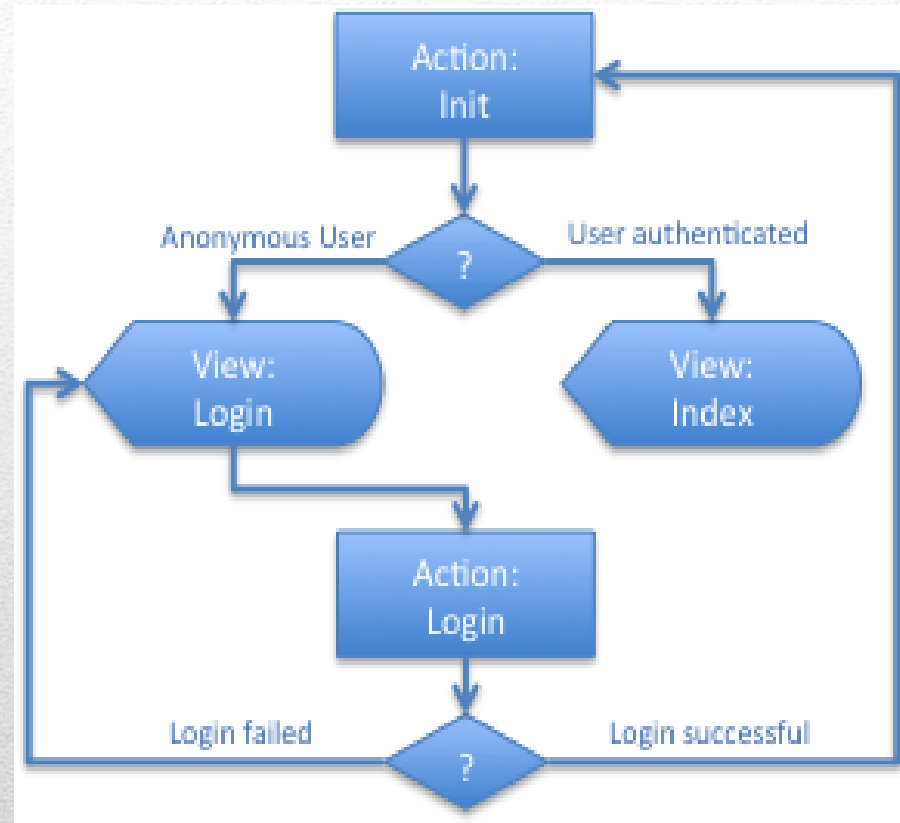
APPLICATIONS
Settings
Administer Actions
Administer generator templates

Weitere typische Anwendungsfälle:

- Modul zur Verwaltung von News
- Taxonomie Verwaltung
- Plug-Ins für das CMS
- Warenkorb Funktionalität
- Individuelle Benutzerverwaltung für den DS

Vollständige Web Applikationen

- Anforderung als Statusübergangs-Diagramm darstellen
- Daraus resultieren
 - Aktionen (Java)
 - Views (XML/XSL)



Schritt 1 - Statusübergänge

- Deklaration der Aktionen über DS Inhalt / Attribute

```
...actions.Init  
    class: ActionInit  
    forwards  
        startPage  
            type: 1  
            view:  
html/index.html  
            template:  
xsl/hs.xsl  
        loginPage  
            type: 1  
            view:
```

Schritt 2: Init Aktion
 html/login.html
 xsl/hs.xsl
 template:

...actions.Login

class: usermgmt.auth.ActionLogin

group: wbfAdministrators; wbfMembers.wbfCommunity

validationRules

login

minLength: 2

maxLength: 20

mandatory: 1

password

minLength: 5

maxLength: 20

mandatory: 1

forwards

ok

type: 2

action: Init

nok

type: 1

view: html/login.html

template: xsl/hs.xsl

Schritt 3: Login Aktion

```
package de.webertise.wbf.actions;
import de.reddot.api.common.session.CoaSession;
import de.reddot.api.web.io.WebletRequest;
import de.webertise.wbf.base.action.ActionResponseItem;
import de.webertise.wbf.weblet.MasterWeblet;

public class ActionInit extends de.webertise.wbf.base.action.AbstractAction {
    public ActionInit() {}
    public boolean execute(CoaSession session, WebletRequest request) {
        String login = session.getCoaUser().getLogin();
        if (login.equals("anonymous")) {
            this.setActionForwardName("loginPage");
        } else {
            this.setActionForwardName("startPage");
        }
        return true;
    }
    public boolean validate(CoaSession session, WebletRequest request) {
        return true;
    }
}
```

Schritt 4: Aktion implementieren

- Klassen werden in ein xlets-wbf Verzeichnis kopiert
- Neue Klassen einfach durch Hot-Deploy hinzufügen
- Änderungen an der Konfiguration durch Hot-Deploy neu laden

OPENTEXT
Web Site Management

Project Users Connectors Collaboration Server Manager Monitoring

Server Manager

- Asynchronous Jobs
- Configuration
- Java-based Additions
 - Administer Registered Operations
 - Administer Registered Java Metho
 - Administer Hot Deployment Config
- Internal Repositories
- Rules
- System

Edit hot deployment configuration

Hot Deployment Configuration

- General
- Class Paths (URL)(1)
- Weblet Definitions(1)
 - wbf / de.webertise.wbf.weblet.Mast
- lolet Definitions(0)
- Other Classes(0)

Weblet Definitions → wbf / de.webertise.wbf.weblet.MasterWeblet

Properties

Alias	wbf
Full class name	de.webertise.wbf.weblet.MasterWeblet
Active	<input checked="" type="checkbox"/>

Schritt 5: Klassen deployen

- Die Action XML stellt bereit:
 - Text Ressourcen für die Lokalisierung
 - Ergebnisse aus der Aktion (request, session, user, ...)

```
<show>
  <!-- text resources -->
  <rde-dm:include content="modules/modAuth/resources/resources.xml"/>

  <!-- error code of the action -->
  <rde-dm:attribute attribute="session:transient.stm.admin.Init.
                        last.action_errors"
                  mode="read" op="xml" tag="notag"/>
  <!-- form data from last request -->
  <rde-dm:attribute attribute="session:transient.stm.admin.Init.
                        last.action_request"
                  mode="read" op="xml" tag="notag"/>
</show>
```

Schritt 6: Action XML erstellen

- Action XML wird mittels XSL(T) in das gewünschte HTML transformiert

```
<?xml version="1.0" encoding="UTF-8"?>
<xsl:stylesheet>
  <xsl:template match="show">
    ...
    <xsl:if test="lastAction = 'Login' and
                (action_errors/action_errorCode = '10')">
      <div class="alert alert-error">
        <xsl:value-of select="resources/msgFailedLogin" />
        (RC: <xsl:value-of select="action_errors/action_errorCode" />)
      </div>
    </xsl:if>
    ...
  </xsl:template>
</xsl:stylesheet>
```

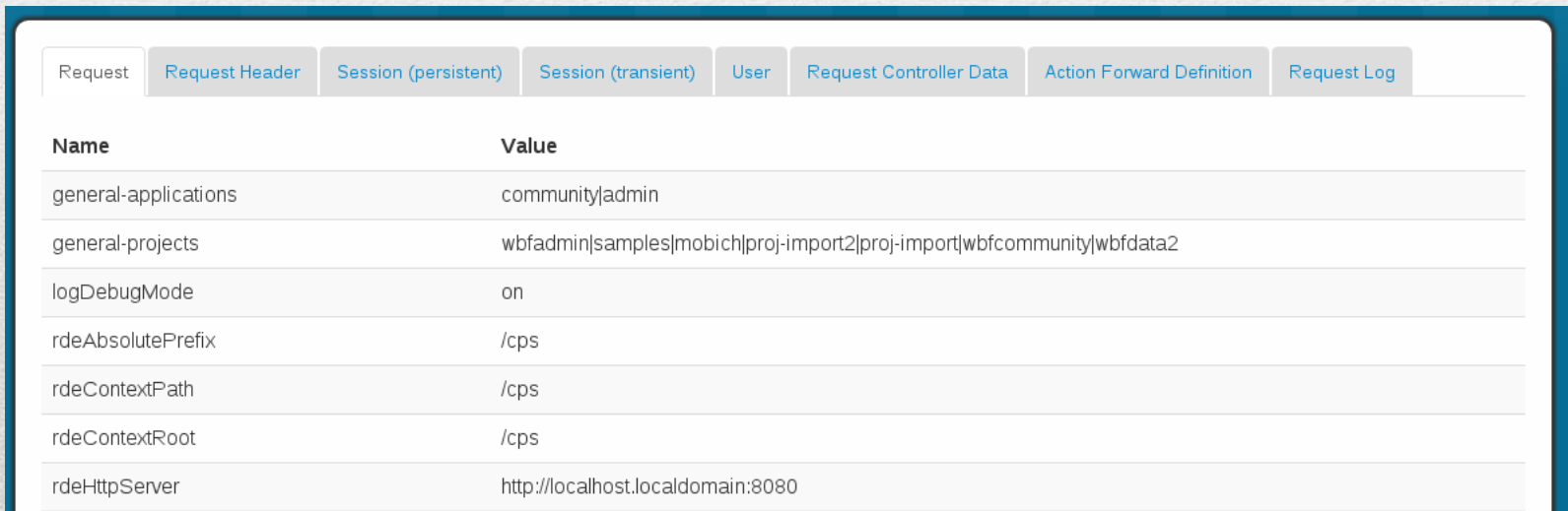
Schritt 7: XSL(T) erstellen

- Darstellungsrelevante Aktionen haben
 - ein XSL(T) für die HTML Erzeugung
 - ein XML für die Datenbereitstellung
- Wird als PSX Modul an gewünschter Stelle im HTML eingefügt

```
<rde-dm:include  
    content="modules/modAuth/actions/show.xml"  
    stylesheet="modules/modAuth/templates/show.xsl"/>
```

Schritt 8: Einfügen in HTML

- Debug-Mode erlaubt direkten Zugriff auf
 - Request & Header & Controller Data
 - Session (persistent/transient)
 - User
 - Action Forward Definition
 - Error Log



Name	Value
general-applications	community admin
general-projects	wbadmin samples mobich proj-import2 proj-import wbcommunity wbfddata2
logDebugMode	on
rdeAbsolutePrefix	/cps
rdeContextPath	/cps
rdeContextRoot	/cps
rdeHttpServer	http://localhost.localdomain:8080

Schritt 9: Testen & Debuggen

Request

Request Header

Session (persistent)

Session (transient)

User

Request Controller Data

Action Forward Definition

Request Log

Name	Value
do.Login	
general-applications	community admin
general-projects	wbadmin samples mobich proj-import2 proj-import wbcommunity wbfddata2
logDebugMode	on
login	test
password	*****
rdeAbsolutePrefix	/cps
rdeContextPath	/cps
rdeContextRoot	/cps
rdeHttpServer	http://localhost.localdomain:8080
rdeHttpsServer	https://localhost.localdomain:8080
rdeInternalCaller	MasterServlet
rdePathInfoPrefix	/cps
rdePrefix	cps
rde-rd:content-type	application/x-www-form-urlencoded

Schritt 9: Request

- Request
- Request Header
- Session (persistent)
- Session (transient)
- User
- Request Controller Data
- Action Forward Definition
- Request Log

Name	Value
rde-rd:httpHeader-accept	text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
rde-rd:httpHeader-accept-charset	ISO-8859-1,utf-8;q=0.7,*;q=0.3
rde-rd:httpHeader-accept-encoding	gzip,deflate,sdch
rde-rd:httpHeader-accept-language	de,en;q=0.8,en-US;q=0.6
rde-rd:httpHeader-cache-control	max-age=0
rde-rd:httpHeader-connection	keep-alive
rde-rd:httpHeader-content-length	34
rde-rd:httpHeader-content-type	application/x-www-form-urlencoded
rde-rd:httpHeader-cookie	JSESSIONID=7C691F0725BEBB8666DC52F7DC9FD5B8; wbfAdminSessionID=SID-03B13DDF-457E5305; wbfSessionID=SID-03B13DDF-457E5305
rde-rd:httpHeader-host	localhost:8080
rde-rd:httpHeader-method	POST

Schritt 9: Request Header

[Request](#)[Request Header](#)[Session \(persistent\)](#)[Session \(transient\)](#)[User](#)[Request Controller Data](#)[Action Forward Definition](#)[Request Log](#)

Name	Value
community.selCategory	all
community.selFilterCategories	
community.selTags	
community.selTagsAndOrFlag	or
community.selTagsSemiSep	
currentAction	Login
rdeClientCookies	yes
rdeCurrentLocale	de
rde-rd:idea.masterservlet.currenturl	/cps/wbf/SID-03B13DDF-457E5305/wbfcmmunity/community
rde-rd:idea.masterservlet.firsturl	/cps/wbf/SID-03B13DDF-457E5305/wbfcmmunity/community/ShowQuiz?id=quiz1
rde-rd:idea.masterservlet.homeurl	/cps/xchg/SID-03B13DDF-457E5305
rde-rd:idea.masterservlet.lasturl	http://localhost:8080/cps/wbfcmmunity/community
rde-rd:idea.masterservlet.projectid	wbfcmmunity
rde-rd:idea.masterservlet.remoteaddr	0:0:0:0:0:0:1
rde-rd:idea.masterservlet.repeaturl	/cps/wbf/SID-03B13DDF-457E5305/wbfcmmunity/community?
rde-rd:idea.masterservlet.useragent	Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.11 (KHTML, like Gecko) Chrome/23.0.1271.95 Safari/537.11

Schritt 9: Session (persistent)

[Request](#)[Request Header](#)[Session \(persistent\)](#)[Session \(transient\)](#)[User](#)[Request Controller Data](#)[Action Forward Definition](#)[Request Log](#)**Name****Value**

transient.stm.community.Login.action_errors	<action_errors><login_errorClass></login_errorClass><login_errorCode>0</login_errorCode><action_errorCode>-1</action_errorCode><password_errorClass>error</password_errorClass><password_minLength>5</password_minLength><password_errorCode>2</password_errorCode></action_errors>
transient.stm.community.Login.action_request	<action_request><login>test</login></action_request>
transient.stm.community.Login.login	test
transient.stm.community.Login.wbf.actionName	Login
transient.stm.community.Login.wbf.applicationName	community
transient.stm.community.Login.wbf.contextPath	/cps
transient.stm.community.Login.wbf.queryString	
transient.stm.community.Login.wbf.refererPageName	
transient.stm.community.Login.wbf.remoteAddr	0:0:0:0:0:0:1
transient.stm.community.Login.wbf.requestUri	/cps/wbfcommunity/community
transient.stm.community.Login.wbf.webModuleName	stm

Schritt 9: Session (transient)

Name	Value
address	
address.city	Anonymous-City
address.name	Anonymous User
address.street	Anonymous Str. 0
profile	
profile.category	0
profile.favorite	
profile.level	0
rde-fields	
rde-fields.authenticationStatus	0
rde-fields.authenticationSystem	
rde-fields.cookieStatusFlags	128
rde-fields.creationTime	1351704919019
rde-fields.directoryServiceAlias	Internal Repository
rde-fields.email	

Schritt 9: User Attributes

Request	Request Header	Session (persistent)	Session (transient)	User	Request Controller Data	Action Forward Definition	Request Log
Name	Value						
webmodule	stm (default value is used)						
application	community (value found in request uri)						
action	Login (value found in prefixed request parameter)						
project	wbfccommunity (value found in request uri)						
refererPageName	null (value found in request uri)						

Schritt 9: Request Ctrl. Data

Request Request Header Session (persistent) Session (transient) User Request Controller Data Action Forward Definition Request Log

Name	Value
name	nok
view	html/login.html
template	xsl/hs.xsl
action	
type	1

Schritt 9: Action Forward Def.

Request

Request Header

Session (persistent)

Session (transient)

User

Request Controller Data

Action Forward Definition

Request Log

Log Entry

[DEBUG] - wbf_weblet - MasterWeblet - handleRequest: MasterWeblet.webModuleSetting.isDebugEnabled() is 'true'

[DEBUG] - wbf_weblet - RequestControllerData - RequestControllerData: queryString 'null'

[DEBUG] - wbf_weblet - RequestControllerData - RequestControllerData: requestUri '/cps/wbfcommunity/community'

[DEBUG] - wbf_weblet - RequestControllerData - RequestControllerData: remoteAddr '0:0:0:0:0:0:1'

[DEBUG] - wbf_weblet - RequestControllerData - RequestControllerData: contextPath '/cps'

[DEBUG] - wbf_weblet - RequestControllerData - RequestControllerData: Identified part before in uri 'cps'

[DEBUG] - wbf_weblet - RequestControllerData - getProjectName: reached

[DEBUG] - wbf_weblet - RequestControllerData - getProjectName: found in request uri '/cps/wbfcommunity/community' searching after 'cps'

[DEBUG] - wbf_weblet - RequestControllerData - getProjectName: finally used 'wbfcommunity'

[DEBUG] - wbf_weblet - RequestControllerData - getWebModuleName: reached

[DEBUG] - wbf_weblet - RequestControllerData - getWebModuleName: found in request uri '/cps/wbfcommunity/community' searching after 'wbfcommunity'

[DEBUG] - wbf_weblet - RequestControllerData - getWebModuleName: set to default web module

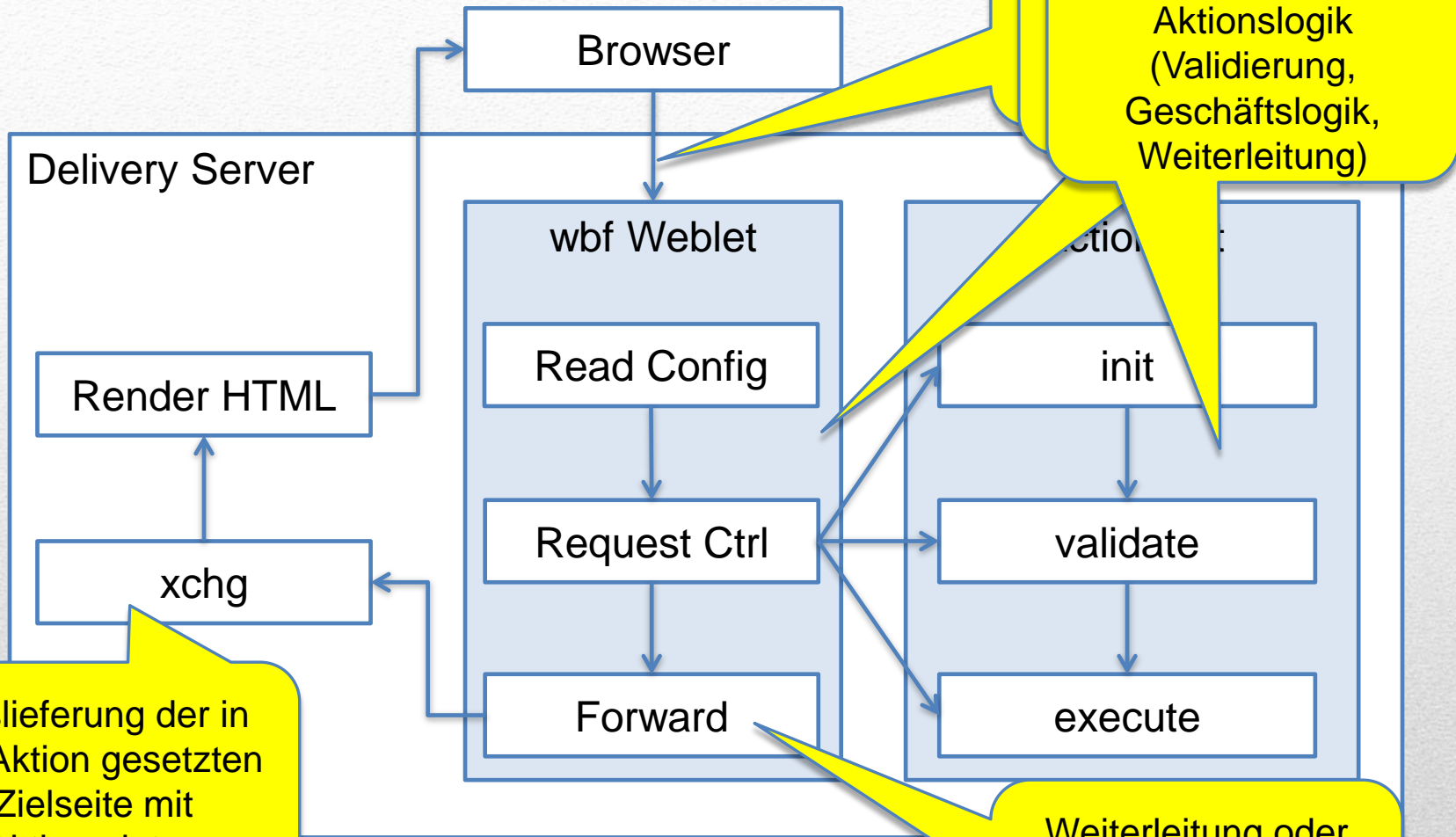
[DEBUG] - wbf_weblet - RequestControllerData - getWebModuleName: finally used 'stm'

[DEBUG] - wbf_weblet - RequestControllerData - getApplicationName: reached

[DEBUG] - wbf_weblet - RequestControllerData - getApplicationName: found in request uri '/cps/wbfcommunity/community' searching after 'wbfcommunity'

[DEBUG] - wbf_weblet - RequestControllerData - getApplicationName: finally used 'community'

Schritt 9: Request Log



Auslieferung der in der Aktion gesetzten Zielseite mit Aktionsdaten

Weiterleitung oder Redirect auf Basis des gesetzten Aktion Forward

Request - Ablauf

- Das WBF Framework ist nun Open Source
- GitHub (<https://github.com/bernfried/wbf-framework>)
- Installation und Erste Schritte dokumentiert
- Beispiel im Source enthalten
- Contributors können sich gerne melden
- Feedback erwünscht

The screenshot shows the GitHub repository page for 'bernfried/wbf-framework'. The repository is public and has 0 stars and 1 fork. The description is 'Webertise Application Development Framework for Open Text Web Site Management - Delivery Server 11.0'. The repository is currently on the 'master' branch. The commit history shows a commit by 'bernfried' 3 months ago with the message 'removed old code'. The commit includes files: 'exports', 'lib', 'src', 'sample_state_diagram.pptx', and 'wbf_framework_documentation_v1.0.pdf'. The commit message for 'removed old code' is 'removed old code'. The commit message for 'added project exports' is 'added project exports [bernfried]'. The commit message for 'Libs aufgeräumt' is 'Libs aufgeräumt [bernfried]'. The commit message for 'removed old code' is 'removed old code [bernfried]'. The commit message for 'initial version of the documentation' is 'initial version of the documentation [bernfried]'. The latest commit is '24cabce06a'.

Open Source auf GitHub

Fragen gerne an:

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Vielen Dank
