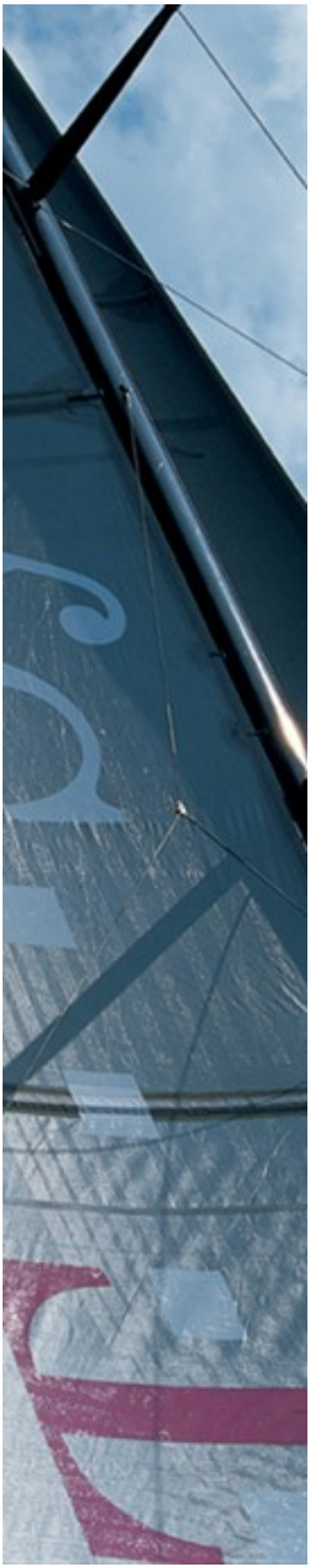
Specification

Web MonitorLog

Version: 0.1 English Version
Date: 5. Mai 2008
Status: Draft



Imprint

Publisher
Si

Filename	Document Number	Document Label
Specification-WebMonitorLo-g.odt	(Enter docu no.)	(Enter docu. Label here)

Version	As of	Status
0.1	05/05/2008 01:08:32 PM	Draft

Author	Contents checked by	Released by
Manfred Gruner		

Contact Person	Telephone / Fax	E-Mail
Manfred Gruner	030 – 2997 – 1422	manfred.gruner@t-systems.-com

Brief Information
Design of [ ] Chapter 2.3 automatic certificate exchange

Change History

Version	Date	Operator	Changes / Comments
0.1	05/01/2008	Manfred Gruner	Initial Draft

Distribution List

Name	Designation / Company
Uwe Möller	
Studenten TFH im Fach WPR	
Markus Melber	

Authorisation

Customer		Contractor	
Name:	[Enter name here]	v	[Enter name here]
Designation:	[Enter designation here]	Function:	[Enter designation here]
Date:	[Enter date here]	Datum:	[Enter date here]
Signature:		Signature:	

Foreword

This component describes the functionality of the WebMonitorLog

Content

Specification i
Web MonitorLog....i
Imprint....1
Change History....2
Distribution List....2
Authorisation....2
Foreword 3
Content 4
List of Figures 5
List of Tables 6
1 Use Cases 7
1.1 List of Use Cases....7
Use Case Descriptions....8
1.1.1 UC CX 01 Request new MonitorLogMessages 8
1.1.2 UC CX 02 User configures filter and/or refreshTime....10
2 Dialogue 11
3 Non functional requirements 12
4 Architecture and Interfaces 13
A Acceptance 15

List of Figures

Picture 1 – Webpage mit MonitorLog view 11

List of Tables

References

1 Use Cases

1.1 List of Use Cases

UC CX 01 Client Component request new MonitorLogMessages from the Server

UC CX 02 Client Component configuration (Filter, RefreshTime)

Use Case Descriptions

1.1.1 UC CX 01 Request new MonitorLogMessages

Use Case Name: Client Component request new MonitorLogMessages from the Server		**ID:** UC CX 01	**Importance Level:** High
Primary Actor:		**Use Case Type:**, Essential	
Stakeholders and Interests:			
Brief Description:		Client Component request new MonitorLogMessages from the Server	
Trigger:		User opens URL for MonitorLog (http://server:8080/monitorlog)	
		Trigger Type: external	
Pre-Conditions:			
Post-Conditions:			
Relationships:			
	Association:		
	Include:		
	Extend:		
	Generalization:		
Normal Flow of Events:			
1	System	System (Browser presents an empty MonitorLog-Table (default Refreshtime 5s) WebMonitorLog will be initialized for that session.	
2	System	Browser asks after RefreshTime for new MonitorLogMessages (HTML-Page is still open and does not disappear)	
3	System	Server looks for new MonitorLogMessages and send a list of MonitorLogMessages to the browser. Transmission will be done in xml Every MonitorLogMessage will only be transferred once. (➔ no redundancy of messages)	
4	System	Browser updates the table with new entries at the end	

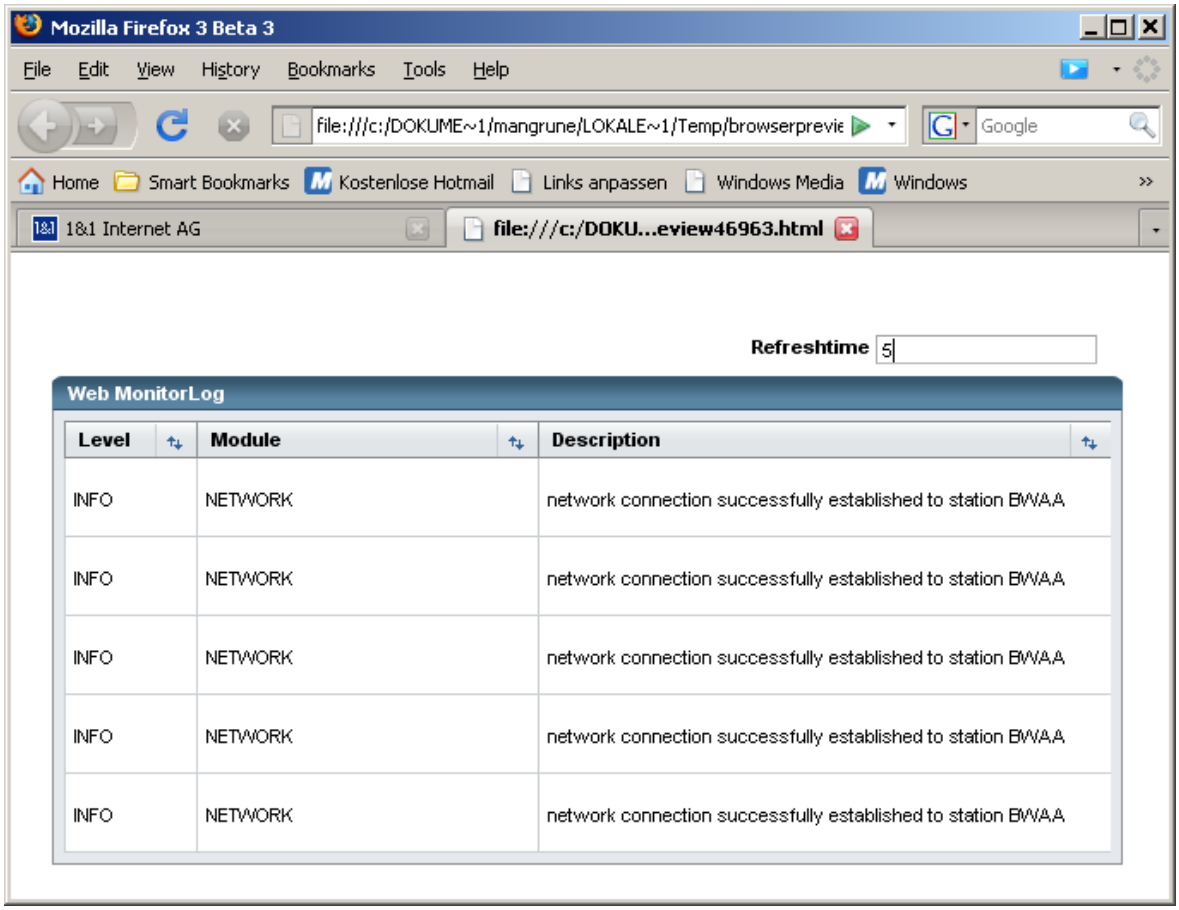
		(The list of MonitorLogMessages should be scrollable) By default the last MonitorLogMessages will be displayed. (It should be possible to disable this automatically scroll behaviour.)

1.1.2 UC CX 02 User configures filter and/or refreshTime

Use Case Name: User configures filter and/or refresh-Time		**ID:** UC CX 02	**Importance Level:** High
Primary Actor:		**Use Case Type:** Important	
Stakeholders and Interests:			
Brief Description:		User defines filter of messages which must result in filtered message list. User defines new Refresh time, which must be accepted and used by the system.	
Trigger:		User opens URL for MonitorLog (http://server:8080/monitorlog)	
		Trigger Type: external	
Pre-Conditions:			
Post-Conditions:			
Relationships:			
	Association:		
	Include:		
	Extend:		
	Generalization:		
Normal Flow of Events:			
1	User	Defines new filter criterias and selects the “Refresh Button”	
2	System	filters exisiting messages using the handed filter	
3	System	Updates the monitorlog window displaying only items that match to the handed filter.	

2 Dialogue

The WebMonitorLog should be look like that.



Picture 1 – Webpage mit MonitorLog view

Attention: Date field, Filter-fields and Refresh-Buttion are missing here, but must be included

3 Non functional requirements

Client:

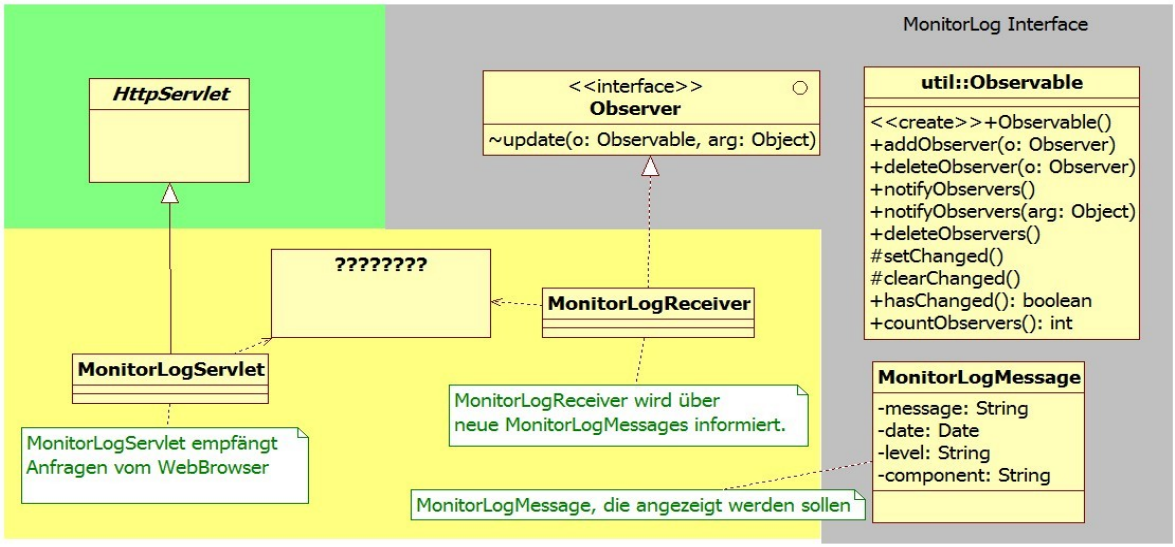
- target browser: Internet Explorer 6.0 and above, Firefox 1.5 and above
- browser technology: JavaScript, CSS (as seperat file)

Server

- Runtime-Environment: Servlet Container:
  Apache Tomcat ab 5.5 with Java 5
  Jetty with Java 5
- Delivery as war-archive (Web-Application-Archive)

4 Architecture and Interfaces

The following diagram describes the server side architecture of the system.



All components which reside on the yellow background must be implemented.

Component description

Component	Description
HttpServlet	Javax.servlet.http.HttpServlet class form JEE Specification
MonitorLogServlet	This class receives calls from the web-browser (doGet(), doPost() - method. It is derived from HttpServlet, because the component should be running in a standard servlet container.
Observable	Java.util.Observable class form JSE implementation. Here you can register interested components, which must implement the Observer-Interface. The Observable instance notifies registered Observers by calling their notify-method. In that method one MonitorLogMessage will be handed.
MonitorLogMessage	Data-class which represents one logMessage. It includes all information of one MonitorLogMessage.
MonitorLogReceiver	Class that must be implemented by

	yourself which receives, when registered the monitorLogMessages.
??????????????	Class(es) which manages the incoming MonitorLogMessages and delievers new one to the MonitorLogServelt, when the servlet asks for them.

A Acceptance

The Solution will be accepted, when:

- Successfully presentation of functionality
- Delivery as war-archive