Capability handling in Jetspeed- 2

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Table of content

1.Introduction 1
2.Supported types 1
2.1.Capability 1
2.2.Mimetypes 2
2.3.Clients 2
2.4.Media Types 3
3.Database schema 3
4.Capability lookup algorithm 4
5.Architecture overview 5

1. Introduction

In Jetspeed capabilities are stored in XREG files (Client, Media). The data was static and any changes require a re- start of the portal.

For Jetspeed- 2 the capability info (Mimetype, Agent, Media) will move into the database. Therefore any changes to the settings would be available without re- starting the portal. A new Capability service will interact between the consumer (request) and the database (through OJB).

2. Supported types

The following sections will list the supported types for the capability mapping.

2.1.Capability

HTML_3_2
HTML_4_0
HTML_TABLE
HTML_NESTED_TABLE
HTML_IMAGE
HTML_FORM
HTML_FRAME
HTML_JAVA
HTML_JAVA1_0
HTML_JAVA1_1
HTML_JAVA1_2
HTML_JAVA_JRE
HTML_JSCRIPT
HTML_JSCRIPT1_0
HTML_JSCRIPT1_1
HTML_JSCRIPT1_2
HTML_JAVASCRIPT
HTML_JAVASCRIPT_1_0

HTML_JAVASCRIPT_1_1
HTML_JAVASCRIPT_1_2
HTML_PLUGIN
Supported capabilities (continued):
HTML_ACTIVEX
HTML_PLUGIN
HTML_CSS1
HTML_CSS2
HTML_CSSP
HTML_IFRAME
HTML_LAYER
HTML_DOM_IE
HTML_DOM_NS4
HTML_DOM_1
HTML_DOM_2
WML_1_0
WML_1_1
WML_TABLE
XML_XSLT
XML_XPATH
XML_XINCLUDE
HTTP_1_1
HTTP_COOKIE
HTML_XML
HTML_XSL
HTML_DOM

2.2. Mimetypes

text/html
text/vnd.wap.wml
text/vxml
text/xml
text/xhtml

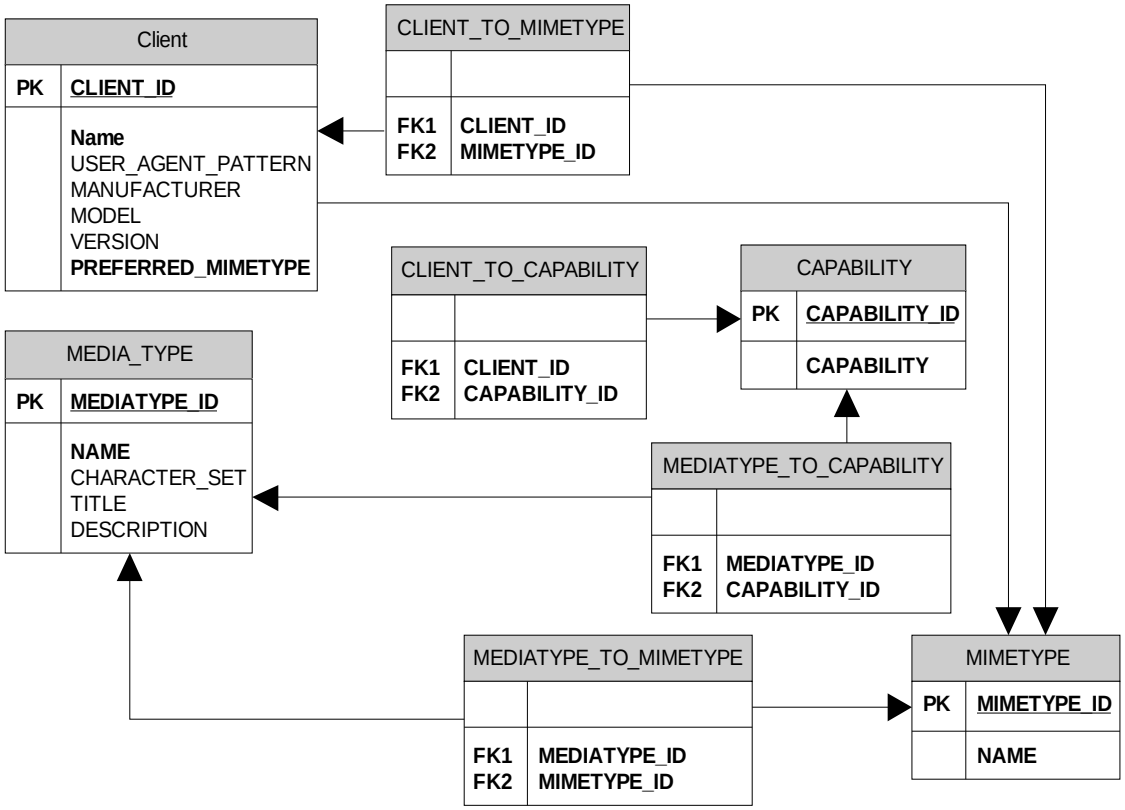
2.3. Clients

NAME	USER_AGENT_PATTERN	MANUFACTURER	VERSION
ie5	.*MSIE 5.*	Microsoft	5.5
ns4	.*Mozilla/4.*	Netscape	4.75
Mozilla	.*Mozilla/5.*	Mozilla	1.x
Lynx	Lynx.*	GNU	
nokia_generic	Nokia.*	Nokia	
Up	UP.*|.*UP\.Browser.*	United Planet	
Sonyericsson	Ercis.*|SonyE.*	SonyEricsson	
Wapalizer	Wapalizer.*	Wapalizer	
Klondike	Klondike.*	Klondike	
wml_generic	.*WML.*|.*WAP.*|.*Wap.*|.*wml.*	Generic	
vxml_generic	.*VoiceXML.*	Generic	
Nuance	Nuance.*	Nuance	
Agentxml	agentxml/1.0.*	Unknown	
Opera7	.*Opera/7.*	Opera	7.x

2.4.Media Types

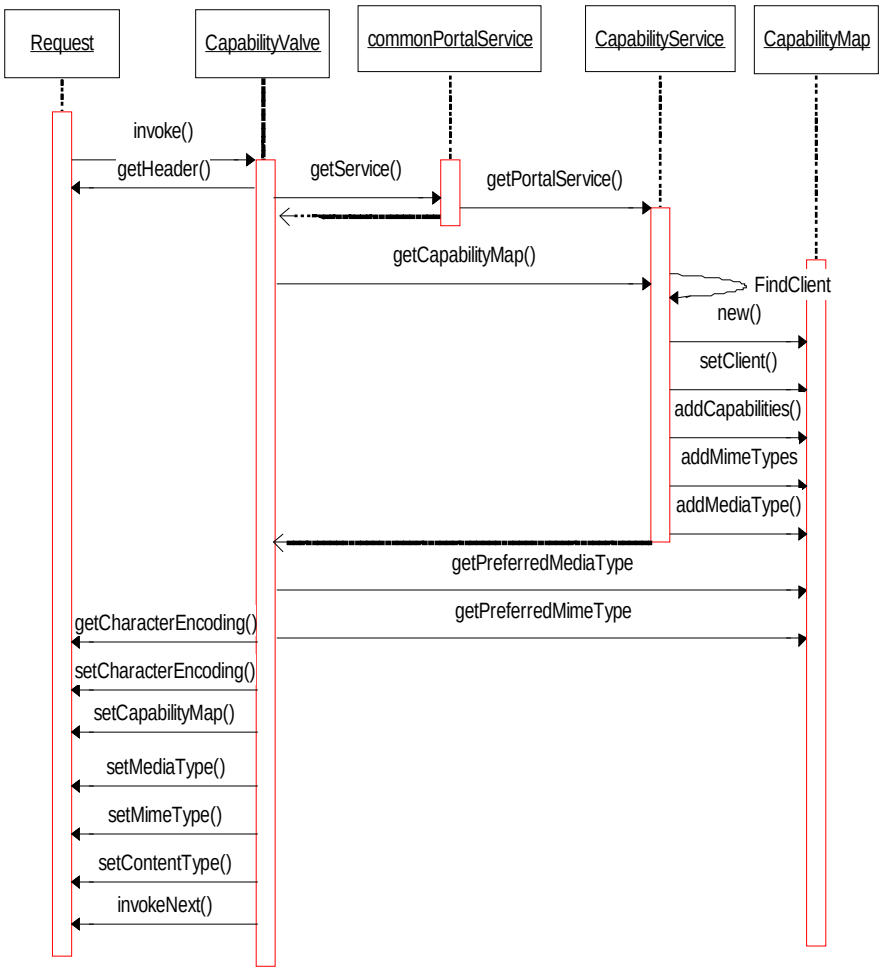
NAME	CHARACTER_SET	TITLE	DESCRIPTION
Html	UTF-8	HTML	Rich HTML for HTML 4.0 compliants browsers
Wml	UTF-8	WML	Format for mobile phones and PDAs compatible with WML 1.1
Vxml	UTF-8	VoiceXML	Format suitable for use with an audio VoiceXML server
Xml		XML	XML 1.0

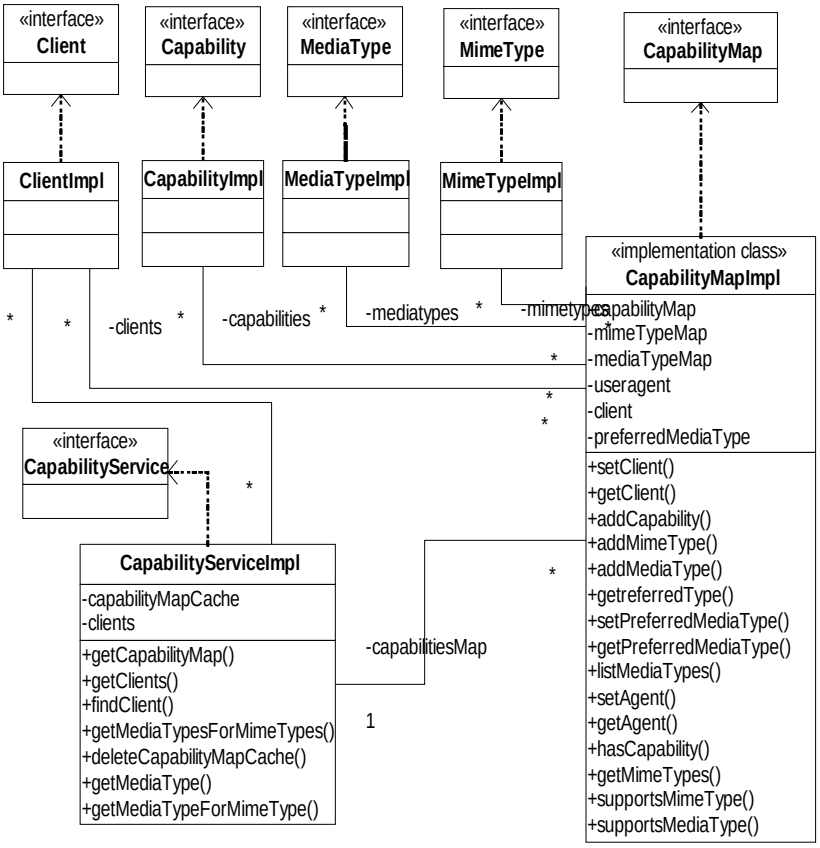
3. Database schema



4. Capability lookup algorithm

Sequence diagram Invoking the CapabilityValve



5. Architecture overview

Class diagram capability handling