

Capability handling in Jetspeed- 2

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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](#)

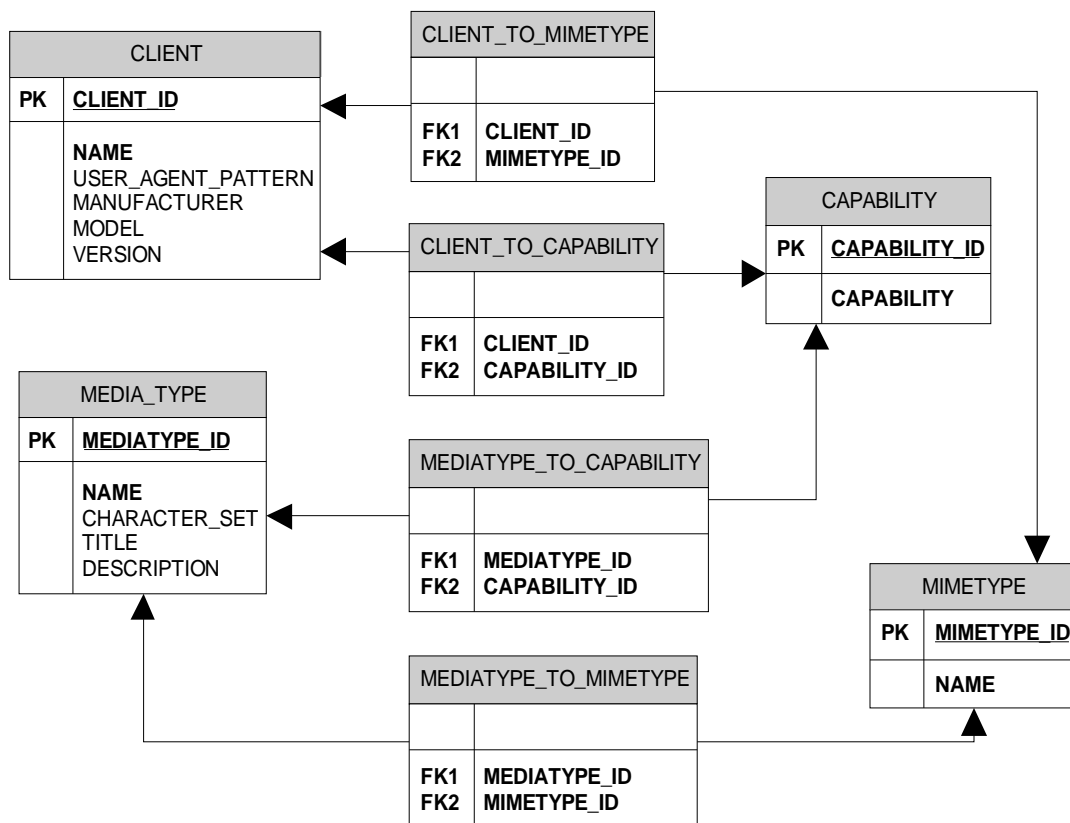
2.3. *Clients*

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	

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

[TBD] Flowchart of capability lookup based on the user agent.

5. Architecture overview

[TBD] Overview of Service and API's