



Volantis Mobility Server[™] **ver. 5.0**

Multi-Channel Server Release Notes

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Version 5.0

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Included software

Apache Software Foundation

Davisor Ltd

Free Software Foundation

Jaxen Project

Sun Microsystems Inc

MCS release notes

The following is a summary of the changes to features and functionality in Multi-Channel Server (MCS) 5.0 for the Volantis Mobility Server editions. Further information and details about existing functionality and features may be found in previous release notes and documentation.

You should also refer to the notes in *MCS Supported platforms*.

Media Access Proxy

The Media Access Proxy (MAP) is a web application that is used to perform transcoding and transformation operations on media files referenced by XDIME 2. Images are handled internally by the ICS servlet component and an image processor plugin.

As well as images, the proxy supports XDIME 2 references to external Standard Transcoding Interface (STI) services for audio and video MIME types.

Configuring MCS

The `media-access-proxy` element in the `mcs-config.xml` file contains the path to the Media Access Proxy (MAP) web application. The method of configuring of the path to the ICS servlet component is unchanged.

Media support in XDIME 2

Support is added for the `srcType` attribute on the XDIME 2 `object` element. If it contains device independent types, then the `src` attribute must be an MCS policy name with the extensions `.mauc`, `.mdyv` or `.mimg`. They must also all be of the same family, that is all video, all audio, all image, or all application/x-shockwave-flash.

Authors can specify the `mcs-external-label` parameter in `object` elements, which defines the content used for a link to an external resource, without having to know the exact media type type.

The `mcs-media-style` style property determines whether an `object` element should be treated as part of a page or an external resource that a user will explicitly retrieve.

Multiple submissions in XDIME 2 forms

The `xf:setvalue` element can be used to associate a specific `xf:submit` control with the value to be submitted when there are multiple submit buttons on a form. The `value` attribute contains the value to be submitted. If it is not present then the content of the element is used as the value.

MCS documentation

In addition to these release notes, the following documents are published with each general availability release of MCS and related products. In the case of service releases, which contain no new features, only the release notes are issued.

- *MCS Installation Guide* (PDF)
- *MCS Migration Guide* (PDF)
- *MCS Help* (XHTML) is packaged with the Eclipse plugins. Related installation and administration documentation, is also included for convenience.
- *MAP Reference Guide* (PDF)
- *MPS Installation Guide* (PDF)
- *Device Repository Web Service* (PDF)

Known MCS issues

Customer support ticket references are given where applicable.

Volantis ID	Description	Ticket
2004122002	In an <code>xform</code> element, if neither the <code>captionPane</code> nor <code>entryPane</code> attributes are set, instead of the element being output in the default pane, nothing is rendered.	
2005011303	In the Type Allocation Codes section of device editor, you may encounter display problems when expanding or contracting the section.	
2005020108	Remote asset groups will not work when referenced from image components, and the asset group is always assumed to be local to the project.	
2005052505	On WebSphere Everyplace Mobile Portal 5.1, when the ICS is configured to access a remote image server, or when <code>v.imgHost</code> and <code>v.imgPort</code> are used in the URL, and a requested image is PNG then ICS returns a 404 error.	
2005110713	<code>mcsImport -merge</code> option fails with a PostgreSQL database. You should therefore not merge databases - instead export the database, edit it and import into a new or cleared database.	
2005120710	The WML protocol does not render whitespace correctly in the following cases: <ul style="list-style-type: none"> A page that contains a <code>dividehint</code> element and does not require dissection causes a <code>p</code> element with an empty space to be rendered A <code>p</code> element with a <code>pane</code> attribute and a preceding <code>p</code> element will not be merged even though their styles would allow it. The mode is not being correctly set when a page is rendered as multiple cards due to dissecting panes. It should be explicitly set to the default value if the last paragraph of the previous card specified the non default value. 	
2005122010	In some environments, a <code>SQLException</code> may be thrown when connecting to DB2 when requesting a JSP page for the first time after a restart. Subsequent requests are processed correctly. It may be possible to resolve the problem by changing the DB2 driver.	
2005121208	MCS currently supports the <code>jconn2</code> database driver for Sybase, which cannot fetch values of columns >256 characters. As a result values in wider columns may be cut.	
2006081436	CSS table rendering issues.	
2006081443	Class selector does not work with XDIME 2 on some devices.	
2006092626	<code>div</code> element omitted when using i-mode devices.	
2006110210	Further issues with whitespace rendering.	
2006110214	<code>div</code> element not emulated in HTML-iMode.	
2006110218	XForms label issues.	
2006111013	Exception rather than error message when working with collaborative project.	
2006112108	Unnecessary <code>align-left</code> attribute in table element.	
2006121128	Form fragments rendered incorrectly.	
2007022217	Exception when pasting from collaborative project to local file system. Paste should be disabled.	
2007061515	<code>pre</code> element removed on WML devices.	
2008022819	Class loader issue on Tomcat.	
2008031208	Some parameters are omitted when object tag for flash is generated.	

Resolved MCS issues

This section contains known issues that were listed in earlier release notes, and have since been resolved. Issues that were reported and resolved since the preceding release are not covered here. Refer to the file `changes.lst` for more detailed information.

There are no issues in this category.

Known Client Framework issues

The following is a summary of known issues in Volantis MCF Client 1.3. Details about existing features may be found in the documentation.

Client Framework functionality is limited by the browser capabilities.

Opera Mobile 8.6 limitations:

- The wipe-top, grow and shrink effects are replaced by the slide-top effect
- The puff effect is replaced by the instant effect
- Effects which require scaling of content do not work smoothly for content other than inline/text
- Selected page element is marked by Opera browser with blue background. This feature can not be controlled by XDIME 2 author.
- The `focus()` does not have an effect if the element to be focused is outside the visible part of the page
- If a displayed forms wizard step is bigger than the viewport size, but smaller then the rest of page content, the wizard does not cover all the page content and some of the content is visible if the user scrolls down the page.
- If position of Dynamic Menu is set to fixed, submenus disappear from the menu after scrolling document below the height of the viewport.
- It is impossible to cancel Wizard widget if Popup's dismiss buttons appear just above the input field
- The Field Expander widget does not support 'unfold on click'
- The slide transition works incorrectly with the Wizard widget

Access NetFront 3.4 limitations:

- The wipe-top effect is replaced with slide-top
- In the NF 3.4 emulator scrollbars appear during the shrink/grow effects in Popup
- In the NF 3.4 emulator form controls appear always on top of everything. As a consequence, when a Popup widget appears over some form controls, they are still visible.
- When the puff or pulsate effects are used, the controls and links remain static.

The following is a list of the *Rounded corners* property limitations:

- Only the solid border style is supported
- It is ignored if applied to the body, table or form field elements
- Attempt to apply this property to inline element containing block elements leads to unspecified results
- On Gecko based browsers, for example Firefox and Mozilla, the shape of the corner will always be a quarter of circle, with curvature equal to the first value of the property.

Resolved Client Framework issues

This section contains known issues that were listed in earlier release notes, and have since been resolved. Issues that were reported and resolved since the preceding release are not covered here.

There are no issues in this category.

MCS Supported platforms

The tables list the platforms that are supported for MCS development tools and the MCS runtime, and give a reference URL.

Platform	Reference URL
Eclipse	
Eclipse Platform 3.0, 3.1	http://www.eclipse.org/downloads/
IBM Rational Application Developer 6.0	http://www.ibm.com/software/awdtools/developer/application/
Java Virtual Machine (JDK)	
HP JDK 5.0, 6.0	http://www.hp.com/products1/unix/java/java2/jdkjre5_0/
JDK 1.5, 1.6	http://java.sun.com/javase/downloads/index_jdk5.jsp
Web application servers	
Apache Tomcat 5.5, 6.0	http://jakarta.apache.org/tomcat/
BEA WebLogic Server 9.2 MP2 or later, 10	http://www.bea.com/
Relational databases	
MySQL 4.1, 5.0, 5.5	http://www.mysql.com/
Oracle 9i, 10g	http://www.oracle.com/database
PostgreSQL 8.1	http://www.postgresql.org/
Operating systems	
HP-UX11i 2.0	http://h20338.www2.hp.com/hpux11i/cache/324545-0-0-0-121.html
Red Hat Enterprise Linux 4.0, 5.0	http://www.redhat.com/software/rhel/as/
Sun Solaris 9, 10	http://www.sun.com/software/solaris/
SUSE Linux Enterprise Server 8	http://www.novell.com/products/linuxenterpriseserver/
Windows XP SP2 (for development only)	http://www.microsoft.com/windows/products/windowsxp/default.mspx

References

Apache Software Foundation

<http://apache.org>

Davisor Ltd

<http://www.davisor.com>

Free Software Foundation

<http://www.fsf.org>

Jaxen Project

<http://jaxen.org/>

Sun Microsystems Inc

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