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Volantis Mobility Server
Multi-Channel Server™
ver. 5.1

Release Notes

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Multi-Channel Server™

Version 5.1

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Multi-Channel Server: Release notes

Version 5.1
Published date 2009-01-29

Included software

Apache Software Foundation
Free Software Foundation
Jaxen Project
Sun Microsystems Inc

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MCS release notes

The following is a summary of the changes to features and functionality in Multi-Channel Server (MCS) 5.1. 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*.

> **Note**: For an authoritative version of this file that includes last minute changes, please refer to the online Multi-Channel Server 5.1 Community Edition release notes located on the Volantis Mobility Server Help Center portal.

Mobile mash-ups

The Picasa® and Flickr® connectors allow for the inclusion of photographs in mobile mash-ups. Images may be presented on a standard XDIME page, or by the Gallery widget on devices that support Client Framework widgets. The `picasa:list-photos` element retrieves photos from Google Picasa web albums, and the `flickr:list-photos` element from Flickr. See *Retrieving images from social services* in the *MCS Help* for details.

The Google Docs™ connector allows you to embed Google Docs™ documents in an XDIME page. Refer to *Accessing Google Docs documents* in the *MCS Help* for further information.

iPhone optimization

Support is added for viewport meta tags that improve the content scaling and presentation on iPhone.

If the `x-browser.viewport.virtual.support` policy is set to 'iphone-compatible', then the following meta is added to the output:

`<meta property="viewport" value="width={device-width-in-pixels},initial-scale=1.0">`
Where, `{device-width-in-pixels}` is replaced by the width of the device as specified by the `pixelsx` device policy.

Pipeline error functions

The pipeline error functions enable trapping and handling errors that occur during pipeline processing. These functions provide information about the specific error that occurred, and allow the page author to prepare an appropriate response. For instance, if an operation failed with an authentication error, then the author could provide a login page allowing the user to update the password. See *Handling pipeline errors* in the *MCS Help* for more information.

Breaking the line of text

The `mcs:br` element breaks the line of text. The namespace declaration is `http://www.volantis.com/xmlns/2006/01/xdime/mcs`.

Meta information for search engines

The `meta` element allows the page author to provide meta information about a web page. This information is usually used to control how the page is described by search engines, and therefore MCS adds it to the rendered output only if the web page is requested by a search engine. Refer to *Meta information for search engines* for further information.

Client Framework support

You need to manually change your device repository to enable widgets on some devices. For devices with the `Supports Client Framework` policy set to 'true', the `Protocol` policy other than 'XHTMLFull' or 'HTMLVersion4_0', and `Style sheet version` other than 'CSS2', you must set the `Protocol` policy to 'HTMLVersion4_0' and the `Style sheet version` policy to 'CSS2'. The `Protocol` and `Style sheet version` policies can be found under the `Browser` category, and `Supports Client Framework` under `System`. See *Working with devices* in the *MCS help* to learn more about editing the attributes of devices in the repository.

Documentation

In addition to these release notes, the following documents are published with each general availability release of MCS and related products. Online documentation is also available on the Volantis Mobility Server Help Center portal.

- *VMS Help* (XHTML) is packaged with the MCS Eclipse plugins. Related installation and administration documentation, is also included for convenience.
- *MCS Installation Guide* (PDF)

- *MCS Getting Started* (PDF)
- *MAP Release Notes* (PDF)
- *MAP Installation and Administration Guide* (PDF)
- *MPS Installation and Administration Guide* (PDF)

Known MCS issues

Customer support ticket references are given where applicable.

Volantis ID	Description	Ticket
2004122002	In an `xfform` element, if neither the `captionPane` nor `entryPane` 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 v.imgHost and v.imgPort are used in the URL, and a requested image is PNG then ICS returns a 404 error.	
2005110713	mcsImport -merge option is fails with a PostgreSQL database. You should therefore not merge databases - instead export the database, edit it and import into an new or cleared database.	
2005120710	The WML protocol does not render whitespace correctly in the following cases: • A page that contains a `dividehint` element and does not require dissection causes a `p` element with an empty space to be rendered • A `p` element with a `pane` attribute and a preceding `p` 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.	
2005121208	MCS currently supports the jconn2 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	`div` element omitted when using i-mode devices.	
2006110210	Further issues with whitespace rendering.	
2006110214	`div` element not emulated in HTML-iMode.	
2006110218	XForms label issues.	
2006111013	Exception rather than error message when working with collaborative project.	
2006112108	Unnecessary align-left 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	`pre` element removed on WML devices.	
2008030319	Animated GIFs show only first image after transcoding.	
2008031208	Some parameters are omitted when object tag for flash is generated.	
VMS-543	Theme selector is marked as incorrect in Eclipse if the `mcs-effect-style` property is used.	
VMS-547	The layout editor does not refresh cells correctly.	
VMS-578	`device.getPolicyMetaDataValue("fullpixelsx")` returns 'l' at the end of the number.	
VMS-590	Pagination doesn't work.	
VMS-674	An XSL transform converting an XDIME 2 page with the default xhtml2 namespace throws `unknown-element: argument = {http://www.w3.org/2002/06/xhtml2}`.	
VMS-703	Theme schema was changed for the `mcs-effect-style` property.	
VMS-715	A form is rendered inside another form.	
VMS-779	Problem with mimg (or/and asset) processing.	

Volantis ID	Description	Ticket
VMS-796	Relative links don't work in pages that receive forms.	
VMS-797	Out-of-date tutorial page `dci_ourOffices.xdime`.	
VMS-798	When starting MCS in debug mode the `ClassNotFoundException: com.volantis.mcs.migrate.impl.config.DefaultConfigFactory` exception is visible in `catalina.out`.	

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.

Volantis ID	Description	Ticket
2008022819	Class loader issue on Tomcat.	

Known Client Framework issues

The following is a summary of known issues in Volantis Client Framework. 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 cannot 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 Carousel, Ticker Tape and Dynamic Menu widgets do not work properly on NetFront browser with the SmartFit option enabled.
- The slide-left, slide-top, wipe-top, shake and dropout effects do now work properly on NetFront browser with the SmartFit option enabled.

Nokia OSS browser limitations:

- The Autocompleter widget opens the drop-down list on a onBlur event, i.e. when focus leaves the input field.

Internet Explorer 6.x limitations:

- The `direction` style property is ignored when the `strong` element is used. The workaround is to put a character in front of the `strong` element.

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.

Volantis ID	Description	Ticket
VMS-575	Content of the `widget:detail` elements is displayed multiple times in `gallery:item-display` when the Gallery widget contains the Web Service Client widget.	
VMS-669	Sample Application: the relative links on the page displaying the data submitted by the Wizard widget do not work.	
VMS-696	The slideshow navigation is broken in some browsers.	
VMS-711	A Web Service Client widget does not work on iPhone when placed inside the Gallery widget.	

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.

MCS development tools

Platform	Reference URL
Eclipse Platform 3.0, 3.1 and 3.2.2	http://www.eclipse.org/downloads/
IBM Rational Application Developer 6.0 and 7.0	http://www.ibm.com/software/awdtools/developer/application/

MCS runtime

Platform	Reference URL
Java Virtual Machine (JDK)	
Sun JDK 5.0 and 6.0	http://java.sun.com/javase/downloads/index_jdk5.jsp
Oracle JRockit 5.0	http://www.oracle.com/appserver/jrockit/index.html
IBM J2RE 1.5	http://www.ibm.com/developerworks/java
Web application servers	
Apache Tomcat 5.0 and 5.5	http://jakarta.apache.org/tomcat/
BEA WebLogic Server 9.2 and 10	http://www.bea.com/
IBM WebSphere Application Server 6.1 or later	http://www.ibm.com/software/websphere/
JBoss AS 4.2	http://www.jboss.org/jbossas/downloads/
Relational databases	
MySQL 4.1, 5.0 and 5.5	http://www.mysql.com/
Oracle 9.2, 10, and 11g RAC	http://www.oracle.com/database
PostgreSQL 8.2	http://www.postgresql.org/
Operating systems	
Red Hat Enterprise Linux 3.0, 4.0 and 5.0	http://www.redhat.com/rhel/
Sun Solaris 10	http://www.sun.com/software/solaris/
SUSE Linux Enterprise Server 8	http://www.novell.com/products/linuxenterpriseserver/
Windows 2000 and XP SP2 (for development only)	http://www.microsoft.com/windows/products/windowsxp/default.mspx
Linux Ubuntu	http://www.ubuntu.com/
Fedora Core	http://fedoraproject.org/
IBM AIX 5L - version 5.3	www.ibm.com/systems/p/os/aix/v53/index.html
HP-UX11i 2.0	http://h20338.www2.hp.com/hpux11i/cache/324545-0-0-0-121.html

References

Apache Software Foundation
    `http://apache.org`
Free Software Foundation
    `http://www.fsf.org`
Jaxen Project
    `http://jaxen.org/`
Sun Microsystems Inc
    `http://www.sun.com`
online Multi-Channel Server 5.1 Community Edition release notes
    `http://www.volantis.com/docs/release/mcs51ce_release.html`