

Docmosis Cloud v1.5 Release Notes

Oct 2015

Docmosis core updated from version 3.3.4 to 4.0.1.

Cloud Service API Changes

#	Change
1	The <code>render</code> endpoint allows <code>storeto</code> to now be empty as well as not specified
2	Updated <code>render</code> end point to set header <code>X-Docmosis-PagesRendered</code> when successful.
3	Updated <code>getTemplateStructure</code> to correctly detect <code>TemplateNotFoundException</code> and return as a 400 failure with the correct message
4	Updated <code>GetUserDetailsService</code> to return info about the related dev/primary account

New Core Engine Features

#	Change
1	<h3>If / Else / Else-If Support in Conditional Sections</h3> <p>Simple “else” looks like this:</p> <pre><<cs_true>> true <<else>> false <<es_>></pre> <p>“else-if” is written like this:</p> <pre><<cs_isPerson>> I have a person <<else_isPlant>> I have a plant <<else>> I have something I didn't expect <<es_isPerson>></pre> <p>Conditional Sections Support the new Expression Syntax (described below)</p> <p>Eg:</p> <pre><<cs_{val < 10.0}>> Low value = <<val>> <<else_{val > 100.0}>> High value = <<val>> <<else>> Nominal value = <<val>> <<es_>></pre>

#	Change
2	<p>New Expression Engine</p> <p>A new expression engine has been added that improves computational capabilities of templates. Operators and functions can be applied to String and numeric data. The following lines summarize the way this affects the templates.</p> <p>Expressions in Docmosis templates are still delimited by the braces (“{” and “}”) characters. Expressions can now include:</p> <ul style="list-style-type: none"> • Precedence using the brackets “(” and “)” characters • Mathematical expressions • Mathematical and String functions • Boolean logic
3	<p>Direct Expression Evaluation</p> <p>Fields which are expressions can be used to insert data into documents. For example:</p> <pre data-bbox="282 747 967 835"><<{1 + 2 + 3}>> <<{round(val/100,2)}>>% <<{titleCase(firstName + ' ' + lastName)}>></pre>
4	<p>Assignment of Expressions to Variables</p> <p>Variables can now be assigned the results of expressions: << \$m={expr} >></p> <p>Eg. <<\$m={round(1+ceil(2*3.5))}>> round(1+ceil(2*3.5)) = <<\$m>></p>
5	<p>Boolean Logic</p> <pre data-bbox="282 1167 967 1255"><<cs_{val1 (val2 && val3)}>> val1 is true or both val2 and val3 are true <<es_>></pre>
6	<p>Maths functions</p> <p>Typical math functions are supported. Eg. <<{max(4.522, 4.5)}>></p> <p>The round() function has been extended to support an optional precision: <<{round(1.236)}>> <<{round(1.236, 2)}>></p> <p>The precision also pads: <<{round(1.2, 5)}>></p>

#	Change
7	<p>String Functions</p> <p>charAt, compareTo, compareToIgnoreCase, concat, endsWith, equals, equalsIgnoreCase, indexOf, lastIndexOf, length, replace (character replacement), startsWith, substring, toLowerCase, toUpperCase, Trim, map, titleCase, split,</p> <p>eg:</p> <pre><<{equals('a','b')}>> <<{indexOf('abc','b')}>> <<{startsWith('this is', 'this')}>> <<{titleCase('joe blogs')}>></pre>
8	<p>Formatting Functions</p> <p>numFormat and dateFormat functions have been created to perform numeric and date formatting functions. These functions are based on the similarly named FieldRenderers that already existed in Docomsis.</p> <pre>numFormat(<value>, <format>[, <locale>]) <<{numFormat(value1, '###,###.00')}>> dateFormat(<value>[, <output format>[, <input format>]]) <<{dateFormat(value1, 'dd/MM/yy', 'dd-MMM-yyyy')}>></pre>
9	<p>Operators</p> <p>The well known operators are supported:</p> <p>() + - * / % + - = == != < <= > >= && !</p>
10	XML population has been updated to allow "\r" to result in paragraph insertion (in addition to "\r\n" and "\n"). This helps XML data processing where the xml contains this type of new lines.
11	Logging is by default quieter now with more logging information moved to DEBUG/FINE level.
12	Hyperlink processing has been updated to be able to use variables and variables set from expressions. The hyperlinks are now expected to be of the format <<link:xxx>> but the <<link_ xxx>> format is still supported.
13	Sub-templates can now set template-variables that are visible to the "master" template and subsequently processed templates.

Bug Fixes / Technical Changes

#	Change
1	Fixed possible InputStream leak when communicating with Amazon S3
2	Updated internal messaging to perform faster and to prepare for new Europe end point coming online.
3	Updated analysis to detect when overlapping sections are caused by an over-zealous image bookmark.
4	Updated field processing in numbered and bullet lists. Removes the default assumption that a bullet list with a field in it is intended for repetition and makes processing more natural.
5	Increased the default window size for xml processing for templates with large/complex

#	Change
	paragraphs particularly in docx format.
6	Fixed issue where hidden ("_GoBack") bookmarks created by new versions of word (Mac) were causing blank paragraphs to be left behind.
7	Updated error handling for when a start or end tag is in a list (but not the matching tag) - causing the related other tag to be lost/remote
8	Update to error handling when injecting errors into output document. Now much less likely to inject into an invisible location or disallowed location (which corrupts document).
9	Updated processing to allow sub-templates to set variables that are visible to master template.
10	Fixed issue where looping over including sub-templates more than 2 levels deep would incorrectly determine a cycle in template referencing.
11	Updated number renderer to be able to take a second parameter which identifies the locale to use when parsing/formatting the date.
12	Update - updated hyperlink processing to be able to use variables and variables set from expressions.
13	Updated hyperlink processing to default to "link:" instead of "link_". Link_ is still supported.