

Docmosis Cloud DWS3 Release Notes

Sep 2024

Cloud Service Changes / API Changes

#	Change
1	Stability updates to reduce impact of high parallel template uploading / converting / rendering.

Cloud Console Changes

#	Change
1	Security related updates

Bug Fixes / Technical Changes

#	Change
1	Security related updates
2	Fix unfinished job problem in batch template upload.
3	Improvements to error handling and cleanup when injecting images from URLs.

Docmosis Cloud DWS3 Release Notes

Sep 2022

Cloud Service Changes / API Changes

#	Change
1	Docmosis can now send documents to custom-configured SMTP gateways. Should you wish to deliver documents from Docmosis directly via your own email account/system, please contact our support team.

Cloud Console Changes

#	Change
1	none

Bug Fixes / Technical Changes

#	Change
1	Improvements to Stats Management improving accuracy and resilience under high load or failure/error conditions.
2	Improvements to template-merging: <ul style="list-style-type: none">- Merge could fail with “unable to navigate to bookmark” error when three or more levels of nesting is used and results of document processing was creating blank sub-documents.- If an error condition causes a bookmark navigation error, error handling is much quicker.
3	Calls to the API endpoints that are not valid (eg using “http GET” instead of POST) now return a JSON result rather than a HTML-response for clearer error messaging when linking APIs.

Docmosis Cloud DWS3 Release Notes

April 2022

Cloud Service Changes / API Changes

#	Change
1	none

Cloud Console Changes

#	Change
1	none

Bug Fixes / Technical Changes

#	Change
1	Fixed potential remote code exploit in specifically crafted DOCX templates.

Docmosis Cloud DWS3 Release Notes

March 2022

Cloud Service Changes / API Changes

#	Change
1	New template-variables to obtain information about the current template being rendered: <<\$TemplateName>> - the name of the template <<\$TemplateFolder>> - the folder containing the template <<\$TemplatePath>> - both the above combined
2	Barcodes can now use Docmosis template-features. This allows barcodes to be dynamically constructed using expressions and variables.
3	The backward slash (\) character is supported for template paths in addition to the forward slash (/).
4	The access key can now optionally be supplied to API calls (REST service endpoints) as header in the request. This supports systems (such as Power Automate) that can apply such tokens globally to all outbound requests.

Cloud Console Changes

#	Change
1	none

Bug Fixes / Technical Changes

#	Change
1	Static barcodes (ie defined only by the template and not dependent on any data) now populate even if no data at all is passed to the render process. Previously, some data (even unrelated) had to be present.
2	Fixed an issue trying to create folders in foreign S3 buckets if storeTo:s3... was used.

Docmosis Cloud DWS3 Release Notes

Dec 2021

Cloud Service Changes / API Changes

#	Change
1	Added support for IMB (Intelligent Mail Barcode). Beta.
2	Updated <code>/listTemplates</code> , <code>/listImages</code> and <code>/listFiles</code> endpoints to raise an error when a <code>folder</code> is specified that doesn't exist. Previously it would return an empty list which made it impossible to tell whether the folder was empty or non-existent. Web services guide updated to clarify that when <code>folder</code> is specified, result list is relative to the specified folder.

Cloud Console Changes

#	Change
1	none

Bug Fixes / Technical Changes

#	Change
1	Fixes to template-merging to correct an error occurring when a 3-level merge is executing for new accounts (and accounts where new merging behaviour activated).

Docmosis Cloud DWS3 Release Notes

Nov 2021

Cloud Service Changes / API Changes

#	Change
1	<code>/listTemplates</code> – added new parameters: <code>folder</code> – specify the folder to list <code>includeSubFolders</code> – work recursively (default = true)
2	<code>/listImages</code> – added new parameters: <code>includeSubFolders</code> – work recursively (default = true)
3	Significant improvements have been made to template merging, reducing the need to make small adjustments to the templates to improve the layout. These improvements are not available by default for older accounts, but can be enabled by contacting Docmosis support.
4	QR codes can now be rendered by Docmosis. It is currently considered Beta until widespread community testing has completed. See the Template Guide for details.
5	Docmosis can now fire “web hooks” when a document is rendered to deliver the documents or other information during the render process to external systems. Please contact support if you have such a requirement.

Cloud Console Changes

#	Change
1	none

Bug Fixes / Technical Changes

#	Change
1	none

Docmosis Cloud DWS3 Release Notes

Sep 2021

Cloud Service Changes / API Changes

#	Change
1	none

Cloud Console Changes

#	Change
1	Various improvements to cloud console: <ul style="list-style-type: none">• Improved display of long paths/names• New copy buttons adjacent to commonly copied fields• render settings (output format, dev mode etc) now cached in local browser so settings are retained.• remove DOC output option since DOCX supersedes• reinstated the status icon and link to status page in left sidebar

Bug Fixes / Technical Changes

#	Change
1	none

Docmosis Cloud DWS3 Release Notes

Aug 2021

Cloud Service Changes / API Changes

#	Change
1	<p>The render service now supports multiple-templates in a single call.</p> <p>When calling the render service, multiple templates can be specified to be processed. The processing of the templates is independent, meaning it is the same as if the templates were rendered by individual calls to the render API.</p> <p>If single PDF output is requested, the documents will be joined together. In other cases, a zip file will be returned with a collection of document renders.</p> <p>For example, API parameters:</p> <pre>templateName=summary.docx;annex1.docx outputName=document1.pdf</pre> <p>will render summary.docx and then annex1.docx and join them into a single PDF result.</p> <p>See the Web Services Guide for details.</p>
2	<p>A new type of template called a “coordinator” has been created. This template refers to other templates to be rendered, but is not rendered itself. This allows multiple templates to be rendered, but without using any new API features (such as the above). The coordination also provides many more functions based on Docmosis template controls, such as conditions, looping, passing variables between templates etc.</p> <p>See the Template Guide for details.</p>
3	<p>Adjustments have been made to batch uploading of templates:</p> <ul style="list-style-type: none">• Performance improved for regions outside the US (that were slower)• Validation now allows multiple uploads to run concurrently with the following restrictions:<ul style="list-style-type: none">○ Uploads to different Docmosis regions may run concurrently as long as the <code>userJobId</code>, if specified, is not already assigned to a running upload. The <code>userJobId</code> must be unique across all running batch uploads globally.○ Uploads to the same Docmosis region can run concurrently as long as the above constraint is observed and there is no overlap to the implied or specified <code>intoFolder</code>.

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Cloud Console Changes

#	Change
1	none

Bug Fixes / Technical Changes

#	Change
1	LibreOffice FODT format for templates is now allowed to be uploaded.

Docmosis Cloud DWS3 Release Notes

Jun 2021

Cloud Service Changes / API Changes

#	Change
1	New settings can be applied when generating PDF documents: pdfRestrictPassword pdfRestrictPrinting pdfRestrictEditing pdfRestrictCopy pdfRestrictAllowAccessibilty These are new parameters for the “/render” REST service.
2	Corrected the <code>isBlank()</code> template function to return "true/false" not "1.0/0.0".

Cloud Console Changes

#	Change
1	Minor adjustments to user-console configuration from server

Bug Fixes / Technical Changes

#	Change
1	Adjustments to remove servers from candidates if running batch tasks during scale-in of server scaling.
2	Adjustments to servers have been made to increase available physical and virtual memory.
3	Improved error message when attempt is made to inject HTML into a shape element in a template.
4	Fixed a bug where the style of a sub template could affect the style of another sub template in a tree of template-merges due to a miscalculation of unique style names.
5	Fixed unhelpful error message when processing images from URLs that return a blank image.

Docmosis Cloud DWS3 Release Notes

Mar 2021

Cloud Service Changes / API Changes

#	Change
1	Set <code>user-agent</code> for outbound reach (such as image fetch) to identify Docmosis cloud services.
2	Allowed templates of type FODT and DOTX format
3	Improved <code>getRenderTags</code> service which was returning wrong counts when multiple tags were queried together.

Cloud Console Changes

#	Change
1	none

Bug Fixes / Technical Changes

#	Change
1	Minor improvements to image and template upload checks
2	Fixed potential AWS connection leak
3	Improvements to BOM (byte order mark) processing in text templates

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Dec 2020

Cloud Service Changes / API Changes

#	Change
1	The following end points now set the Content-Length response header: <code>getTemplate</code> <code>getImage</code> <code>render</code>
2	When image-substitution from a URL and the image is invalid, raise an error rather than quietly failing. In production mode, this will cause the entire render to fail as intended.
3	Allowed the hyphen to be present in the key-names of data passed to the <code>renderForm</code> endpoint. This means keys like “first-name” are now valid in data passed to this end point.
4	Allowed the extra-long version of the hyphen (char code 8212) character to be used in field names as a hyphen. This is because Word likes to replace the hyphen with the long or extra-long version whilst editing.
5	Added content-type checks and virus scanning for template and image uploads

Cloud Console Changes

#	Change
1	none

Bug Fixes / Technical Changes

#	Change
1	Fixed delayed stream closing for aborted render file pickup (possible leak).
2	Fixed issue where expressions comparing ‘1F’ and ‘1D’ type of strings would compare them as floating point numbers meaning 1F=1D which is incorrect for strings.
3	Fixed issue with template <code>squote()</code> function raising an error when passed blank/null data.
4	Image-url whitelisting can be performed (by Docmosis administrators) using wildcards. Eg <code>*.mydomain.com/</code>

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Oct 2020

Cloud Service Changes / API Changes

#	Change										
1	<p>Field names now support hyphens. The following are now valid field names:</p> <pre><<first-name>></pre> <pre><<person-age>></pre> <p>This may also be specified surrounded by square brackets to make sure there is no ambiguity with the subtraction operator in expressions. For example:</p> <pre><<{[latest-value] - [initial-value]}>></pre>										
2	<p>Two new web service end points to provide useful information about user account:</p> <pre>/accountReady</pre> <pre>/accountSummary</pre> <p>The <code>accountReady</code> service is intended for monitoring generating http 200 if the account is ready to render documents. Http 400 otherwise for example, over quota, not activated etc.</p> <p>The <code>accountSummary</code> service provides a JSON description of the account including usage and quotas.</p>										
3	<p>New template function <code>char (n)</code> allowing insertion of special characters into documents. The character may be specified in multiple ways. For example, for the copyright symbol © can be generated in the following ways:</p> <table><tbody><tr><td>Decimal</td><td><code><<{char(169)}>></code></td></tr><tr><td>Hex</td><td><code><<{char('0xa9')}>></code></td></tr><tr><td>Html decimal</td><td><code><<{char('&#169')}>></code></td></tr><tr><td>Html hex</td><td><code><<{char('&#xa9')}>></code></td></tr><tr><td>Java/Json format</td><td><code><<{char('\ua9')}>></code></td></tr></tbody></table>	Decimal	<code><<{char(169)}>></code>	Hex	<code><<{char('0xa9')}>></code>	Html decimal	<code><<{char('&#169')}>></code>	Html hex	<code><<{char('&#xa9')}>></code>	Java/Json format	<code><<{char('\ua9')}>></code>
Decimal	<code><<{char(169)}>></code>										
Hex	<code><<{char('0xa9')}>></code>										
Html decimal	<code><<{char('&#169')}>></code>										
Html hex	<code><<{char('&#xa9')}>></code>										
Java/Json format	<code><<{char('\ua9')}>></code>										
4	<p>New template directive:</p> <pre><<list:reset>></pre> <p>to allow a numbered list in a repeating section to restart numbering at each iteration of the repeat.</p>										
5	<p>Sample data generation has been enhanced to:</p> <ul style="list-style-type: none">- Generate data elements for data parameters in template functions- Generate html sample data for html: fields										
6	<p>Service end point timeout increased from 4 minutes (240 seconds) to 4.5 minutes (270 seconds) to allow some longer requests to complete.</p>										

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Cloud Console Changes

#	Change
1	none

Bug Fixes / Technical Changes

#	Change
1	Email addresses with long/modern domain names are now valid (eg *.property)
2	Fix to processing where empty table cells are represented internally by an empty xml definition
3	Batch Template Upload improvements to be resilient when bad payloads are present
4	Statistics gathering enhanced to collect per template page counts
5	Fix to txt output with incorrect byte order mark
6	Improvements made to template and image locking during concurrent template and image reference operations

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Feb 2020

Cloud Service Changes / API Changes

#	Change
1	<p>New API functions to allow a zip file of templates to be uploaded (“batch upload”):</p> <pre>/uploadTemplateBatch /uploadTemplateBatchStatus /uploadTemplateBatchCancel</pre> <p>Since the process may take some time, this end point runs asynchronously, hence the ability to check the status and to cancel.</p>
2	<p>The template-function <code>numFormat()</code> has another optional parameter:</p> <pre><<{numFormat(val, format, locale, applyLocaleToInput, formatIsLocalized) }>></pre> <p>The <code>formatIsLocalized</code> parameter allows control over whether the given <code>format</code> parameter should be interpreted using the specific characters of the given <code>locale</code>.</p>
3	<p>The template-function <code>dateFormat()</code> has another optional parameter:</p> <pre><<{dateFormat(val, outputFormat, inputFormat, outputLocale, inputLocale, ouptutFormatLocalized, inputFormatLocalized) }>></pre> <p>The <code>ouptutFormatLocalized</code> and <code>inputFormatLocalized</code> parameters allow control over whether the corresponding <code>*format</code> parameters should be interpreted using the specific characters of the corresponding <code>*locale</code>.</p> <p>For example, the year is normally specified in format strings using the ‘y’ character, however this may be specified using the ‘a’ character in the French locale.</p>
4	<p>Where locales may be specified in template functions, they can now be specified in common ID notations <code>language_country</code> or <code>language,country</code> (eg <code>en_US</code> or <code>en,US</code>) in addition to the previously provided options (country or language, name or code).</p>
5	<p>New template-functions to assist with diagnostics:</p> <p><code>locale([country or language, name or code])</code> – report the ID for a locale matched with the given parameter</p> <p><code>localeInfo([country or language, name or code or ID])</code> – report diagnostics for the matched locale</p> <p><code>localeDatePattern(pattern, locale)</code> – report the given pattern in localized format in the given locale.</p>

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Cloud Console Changes

#	Change
1	The Template upload size limit has been increased to 50Mb to match the API allowed limit.

Bug Fixes / Technical Changes

#	Change
1	Fixed a corner case where DEV mode could not display the error in the rendered document and reported a corrupt processing message.
2	Fixed a corner case where template-comments that had styles applied (eg colours) and the comment inside a conditional section would not process correctly.
3	Fixed an issue where brackets inside quoted arguments of template-functions could cause the parse to fail.
4	Fixed an issue in the /uploadImage api which would return an error if a description was supplied in the api call.

Docmosis Cloud DWS3 Release Notes

Dec 2019

Cloud Service Changes / API Changes

#	Change
1	<p>New template function mapi() which is the same as the “map” function but ignores case when comparing values.</p> <p>See the Template Guide for more detail.</p>
2	<p>New template function numToDollars() which will write out numbers in Dollars and cents. For example :</p> <p><<{numToDollars(1024)}>> will output “one thousand and twenty four dollars”.</p> <p><<{numToDollars(32.24)}>> will output “thirty two dollars and twenty four cents”.</p> <p>See the Template Guide for more detail.</p>
3	<p>The template function numToText() has been updated to include the decimal part of non-integer numbers. For example:</p> <p><<{numToText(302.24)}>> will output “three hundred and two point two four”.</p>
4	<p>New template function isNumber() will determine whether the input value is a number. This can allow conditional processing based on whether the data is numeric or not. For example:</p> <pre><<cs_{isNumber(invoiceNumber)}>> Process numeric invoice <<else>> Process non-numeric invoice <<es_>></pre>

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#	Change
5	<p>The template function dateFormat() has been updated with two new optional parameters. These parameters allow the input and output locales to be specified. For example:</p> <pre><<{dateFormat(myDate,'dd-MMM-yyyy','yyyy-MMM-dd','ITALY','US')}>></pre> <p>will parse the given input date (myDate) in format yyyy-MMM-dd expecting it to be a US date and write it out in format dd-MMM-yyyy as an Italian date.</p> <p>See the Template Guide for more detail.</p>
6	<p>The dateAdd() and dateDiff() functions now return specific errors if required parameters are blank.</p>
7	<p>Added support for tables inside shape objects for Word templates.</p>

Cloud Console Changes

#	Change
1	<p>The free trial process now installs more examples (invoice, letter and contract). The console produces customized JSON and XML sample data for these templates instead of generic data.</p>


Bug Fixes / Technical Changes

#	Change
1	<p>Detection of SVG placeholder in ODT template causing duplicate images in template with latest versions of LibreOffice. This raises an error in the template during analysis now indicating the problem with the placeholder image.</p>
2	<p>Allow data to specify images from URLs with a second prefix (since the typo is common): [imageUrl:...] (in addition to existing [imageUri:...]).</p>
3	<p>Fixed issues with parsing complex one-line <<rs_>><<cs_>> nested tags. For DOCX format templates this was a regression from DWS2.</p>
4	<p>The template variable \$nowUTCFormat has been updated from:</p> <pre>yyyy-MM-dd'T'HH:mm:ss'Z'</pre> <p>to:</p> <pre>yyyy-MM-dd'T'HH:mm:ssX</pre> <p>This has no net-effect on date formatting in the cloud environment which runs in the UTC time-zone.</p>
5	<p>Updated image bookmark processing to allow for another quirk of LO docx import (SVG tags inside frame and before adjacent bookmark)</p>
6	<p>Fixed issue with Zip processing which could fail to process templates with EMF or WMF images.</p>

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Nov 2019

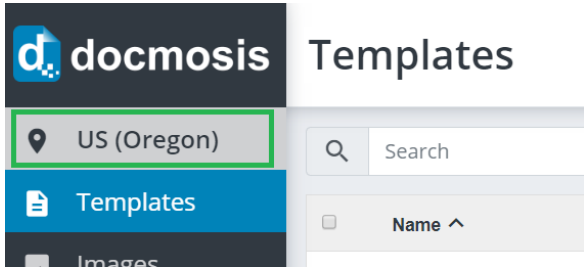
Cloud Service Changes / API Changes

#	Change
1	<p>Support for processing using multiple locations: US, EU, AU allowing customer to control:</p> <ul style="list-style-type: none">• data and processing boundaries• latency optimization• failover implementations <p>The new API URLs are all available now:</p> <div><div><p>The US https://us.dws3.docmosis.com/api/</p><p>The EU https://eu.dws3.docmosis.com/api/</p><p>Australia https://au.dws3.docmosis.com/api/</p></div></div>
2	<p>The <code>/listTemplates</code> service end point has new parameters to allow a fast-minimal list to be obtained and detailed pages iteratively. By default (and previously), <code>listTemplates</code> attempts to list all templates in detail form which is slow for users with many thousands of templates.</p> <p>The new parameters are:</p> <pre>includeDetail true/false (default true) paging true/false (default false) pageToken the token for the next page (given in the response for previous page)</pre>
3	<p>The <code>/getTemplateStructure</code> service end point returns more detail about the template now and the response format has changed to accommodate the extra information. The response now returns details of data-lookup fields within expressions, set-variable elements and template-reference elements.</p> <p>Please see the Web Services Guide for details about the response.</p>
4	<p>The <code>/getSampleData</code> service end point has been updated to provide sample data for fields within template expressions (<code><<{ xxx }>></code>) and set-variable fields <code><<\$m=abc>></code>.</p>

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#	Change
5	<p>New template-functions:</p> <p><code>dateAdd()</code> – to add and subtract dates and times in years, months etc.</p> <p><code>dateDiff()</code> – provide the difference between dates/times in years, months etc</p> <p><code>numToText()</code> – convert numbers to English text</p> <p><code>ordinal()</code> – convert numbers to English text in an ordinal manner (eg 1st, third, etc)</p>
6	<p>New template-variable:</p> <p><code>\$nowUTCFormat</code> – provides the date format used for the <code>\$nowUTC</code> value.</p> <p>which allows the new <code>dateAdd()</code> and <code>dateDiff()</code> functions to base calculations on the current date/time.</p>

Cloud Console Changes

#	Change
1	<p>Users can now choose the location which the Cloud Console is using and the chosen location is displayed at the top left of the page. Each location will have it's own store of templates/images and all document processing via the Cloud Console will occur using the chosen location.</p> 
2	Template Listing is now much faster and asynchronously fetches the template detailed information whilst the user continues with other work.
3	An indicator is provided for service status and it links to external status monitoring.
4	The API URLs for each processing location are displayed in the Account page.

Bug Fixes / Technical Changes

#	Change
1	Fixed issue with template parsing where soft page breaks were causing skip sections to overlap for an <code><<rs_>><<cs_>></code> on one line scenario. This would flag a template as invalid when it was valid.
2	Fixed issue where bottom borders (and probably top borders) were not processing properly when conditional columns were used and repeating rows were meant to dictate the border.

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#	Change
3	Added validation for mismatched brackets (not all cases covered)
4	Improved style processing so that template styles particularly when merging templates are better preserved.
5	Fixed issue with the copy template into a folder. The destination could be written with the full path into the destination folder instead of just the relative path.
6	Fixed an issue where Doc, DocX and ODT output would have some unusual style names with internal identifiers suffixed.
7	Fixed an issue where multiple images inside a frame intended to be replaced by Docmosis flagged the template as a corrupt without any useful diagnostics.
8	Fixed an issue where pdf layout was not honoring the keep together attributes between rows of tables crossing page boundary in a specific corner case.

Docmosis Cloud DWS3 Release Notes

Jun 2019

Cloud Service Changes / API Changes

#	Change
1	Nil

Bug Fixes / Technical Changes

#	Change
1	Improved processing of DocX templates which was incorrectly re-processing the template for each render
2	Improved synchronization of template processing to better manage concurrent rendering and updating of the same template.

Docmosis Cloud DWS3 Release Notes

May 2019

First DWS3 Release (Australia Only)

Cloud Service Changes / API Changes

#	Change
1	<code>/getTemplate</code> end-point can now take multiple <code>"templateName"</code> parameters to download multiple templates in one call. Up to 100 can be specified and the result is a zip file.
2	<code>/getImage</code> end-point can now take multiple <code>"imageName"</code> parameters to download multiple images in one call. Up to 100 can be specified and the result is a zip file.
3	<code>/uploadImage</code> end-point can now returns details of the uploaded image in the response. For example: <pre>{ "succeeded":true, "shortMsg":"img1.png stored.", "imageDetails":{ "name":"img1.png", "lastModifiedMillisSinceEpoch":"1556850764000", "lastModifiedISO8601":"2019-05-03T10:32:44+0800", "sizeBytes":"10923", "isSystemTemplate":"false", "md5":"d2a2755fce47b60e685d58a852f7708c" } }</pre>
4	New template functions: Replace all occurrences of one string inside another: <code>replaceStr(source, searchFor, replaceWith [, ignoreCase])</code> Replace the first occurrence of one string inside another: <code>replaceFirst(source, searchFor, replaceWith [, ignoreCase])</code>
5	New DocX processing engine providing faster and more accurate rendering.
6	Many new fonts
7	New template field type: <code><<op:address2>></code> Which will display the data (address2 in this example) but if blank, will collapse the entire line (paragraph) to nothing. This is equivalent to testing the data first: <code><<cs_{address2 != null}>></code> <code><<address2>></code> <code><<es_>></code>
8	New template comments: <code><<## and ##>></code> <code><</* and */>></code> Allow comments to be created in templates that are ignored during processing. This allows

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#	Change
	permanent comments to be placed in templates. It also allows sections of templates to be temporarily disabled for testing or diagnostics.

Bug Fixes / Technical Changes

#	Change
1	Fixed corner case issue where an ODT template, with an image bookmarked with a parameterized method that looks up the image would make a bad call for an image on the DataProvider.
2	Fixed issue with deleteTemplate where specifying no templates would result in a non-meaningful error.
3	Fixed bug when using the copy service to copy a template over itself - it would do the wrong thing and create a bad path.
4	Updated aws sdk to latest version for interfacing with amazon
5	updated template and image renaming/moving/copying to also clear the destinations from the local cache. This fixes a bug where old destinations would remain in the cache if they existed pre-rename/move/copy
6	Updated error diagnostics to report a permission error explicitly rather than a general error when trying to write to S3 buckets where permission is not granted.
7	Multiple security-related improvements applied to application and infrastructure.