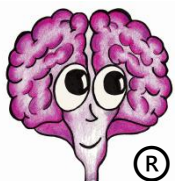


DocuBrain® TechDoc

Release Notes



A DocuBrain® Product

<http://docubrain.com/>

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DocuBrain® TechDoc 9.1 Release Notes

These release notes document the changes from TechDoc 9 to TechDoc 9.1.

Security-Related Issues

DM-678: Add Virtual Access Column to Documents/Folders/Groups/Projects on Reports

A new virtual Access column has been added to Documents, Folders, Groups, and Projects. The Access column displays what access has been associated to a particular object making it easier to review security on a group of items.

DM-683: Remove Groovy as a Workflow Scripting Option

Groovy is being removed from workflow as a scripting option because of the fact that the current Groovy implementation has little to no sandboxing. This allows a Groovy script to have too much access to the system and allow it to override business rules. When/if Groovy is sufficiently improved, it will be considered for reintroduction to TechDoc's workflow support.

DM-686: Add Ability for IDP Metadata to Contain More than One Signing or Encryption Certificate

In order to support some SAML IDPs that can provide multiple certificates, the SAML Authenticator has been improved to support more than one certificate being included for signing and encryption. The most common reason for including multiple certificates is to support transitioning from one certificate to another when the current certificate will be expiring soon.

DM-687: Update DM to use Tomcat 7.0.75

The TechDoc 9.1 DM has been updated to use Tomcat 7.0.75 to improve security and stability over the 7.0.63 version used in TechDoc 9.

DM-688: Upgrade DM to use new JRE for TechDoc 9.1

TechDoc 9.1 DM is using the latest JRE available at release Java JRE 8u131. Several changes needed to be made to the DM for TechDoc to work with

JRE's newer than 8u112. Specifically, differences in DER encoding parsing and *URLClassLoader.newInstance* required TechDoc code changes in order for proper operation.

DM-690: Attachments Not Encrypted Immediately

When the Doc Category requires a document to be encrypted, all other document-related files (attachments, doc comment attachments, discussion attachments) are supposed to be encrypted too. Attachments requiring encryption were not encrypted immediately. Instead, they were lazily encrypted by the Encryption background task. When required, Attachments are now encrypted immediately.

DM-691: Data-At-Rest Encryption Needs to be Upgraded

TechDoc used DES and MD5 for encryption of Data-At-Rest in TechDoc 9 and below. TechDoc 9.1 has been upgraded to support AES-256 and SHA-256 for encryption of Data-At-Rest to stay current with NIST recommendations. The encryption background task automatically upgrades the encryption of all current files upon upgrading to TechDoc 9.1.

DM-694: SAML Authenticator Support against Microsoft's ADFS version 4

Windows 2016 now includes Microsoft ADFS v4. TechDoc 9.1's SAML Authenticator has been tested and supports Microsoft ADFS v4. On-line documentation has been generated about how to configure ADFS v4 to work against TechDoc 9.1.

SM-133: Update SM to use Tomcat 7.0.75

The TechDoc 9.1 SM has been updated to use Tomcat 7.0.75 to improve security and stability over the 7.0.63 version used in TechDoc 9.

SM-134: Upgrade SM to use new JRE for TechDoc 9.1

TechDoc 9.1 SM is using the latest JRE available at release Java JRE 8u131. Several changes needed to be made to the DM for TechDoc to work with JRE's newer than 8u112. Specifically, differences in DER encoding parsing and *URLClassLoader.newInstance* required TechDoc code changes in order for proper operation.

Problems Resolved

DM-670: Electronic Forms Renders Dates with Dashes Not Slashes

Part of the Electronic Form renderer was using the date format *month-day-year* instead of the TechDoc standard format *month/day/year*. Also, the tutorial form (tutorial.xml) was updated from dashes to slashes as well.

DM-672: Form Text Box and Text Area Controls Using Max/Min Length Attribute Incorrectly

While building the form editor it was realized that while the Text Box and Text Area components do support the min/max length attribute, they were not being output correctly to DOJO. *minLength* and *maxLength* belong at the top level of the element as the normal HTML attributes, not within the constraints block. This has been corrected.

DM-684: Paging When Viewing a Folder Share is Broken

The pager for View Folder Share was broken. The ampersand was missing before the *fid* parameter in the URL generated for use by the pager. This has been fixed.

DM-689: Associate Access Can Fail to Update Document Text for SM Searches

While working on a trouble ticket, it was determined that Associate Access could cause an SM Update to not update the text of a document. There were multiple corner cases and timing issues that could cause certain commands to skip extracting text when they should. For this reason, the commands have been changed to more aggressively send text to eliminate the issue at the cost of occasional, unnecessary text extractions.

DM-692: SOAP Services Having Issues Sending and Receiving Large Files

In a previous Java update, a change was introduced that began causing the Java Metro SOAP stack to have memory consumption issues when working with large files even though it is configured to stream. A new system property was required to force the Metro Stack to correctly stream large MTOM attachments again.

DM-693: Create/Modify Organization Has Problem with Cabinet Without Description

Create and Modify Organization both had a problem if a Cabinet with the same name already existed but the Cabinet had no description. In that case, both commands would generate a null pointer exception. This has been corrected and Cabinets with no description are now supported by these commands.

DM-695: Workflows Management Screen Shouldn't Display Create Process Trigger if User Doesn't Have Privilege

On the Workflows Management screen, a privilege check has been added before outputting the Create Process Trigger action on the left side menu. This action link should not appear for a user that does not have the "Workflows Manager" privilege. The user was never permitted to perform the action but the link should not have been displayed in the first place.

DM-696: Reordering of Criterion on Reports Causes Criterion to Lose Values

When creating a new report, re-ordering report criterion could cause their values to be lost. This has been corrected.

DM-697: Associate Doc Default Access Does Not Propagate Doc Read Access to Child Folders

Associate Doc Default Access did not propagate the Doc Default Read Access to child folders. The access was applied to the child documents in the tree but it was not applied to the child folders. As a result, new documents in the child folders may not have the correct default read access applied to them when they are created. This has been corrected.

DM-698: Valid Keyword Values Should Always Be Returned in Sorted Order

Valid Keyword Values are returned from the database in their natural order. Most of the time that will be sorted. However, the more values a Keyword has the more likely that some of the values will not be in order. TechDoc has been updated to specifically request that the values be returned in sorted order so that they always are.

The same issue existed for RMA Valid Keyword Values. They have been corrected as well.

Changes, Improvements, and New Features

DM-671: Remove *promptMessage* DOJO Attribute from Form Elements

Electronic Forms already supports a proper tool tip on every kind of form element. Text Box, Currency Text Box, and Number Text Box also supported an additional type of tool tip called a prompt message. This tool tip provided very little additional aid but could cause issues when mixed with missing and invalid messages. Therefore, the prompt message has been removed.

DM-673: Cabinet/Folder Info Should Show Folder Shares and Mail Receivers

Cabinet/Folder Info now show Folder Shares and Mail Receivers much like Document Info shows child records associated with it.

DM-675: Create Mail Receivers to Receive SMTP Mail and Create Documents from Them

A new capability has been added to receive email from standard SMTP clients and generate documents in a specific TechDoc folder based on the receiving email address, each of which can be configured to receive messages either anonymously or via authenticated SMTP sessions. Document attributes like Doc Number, Doc Type, Doc Category, etc. are controlled by each mail receiver. These documents are first class TechDoc documents that can trigger workflows, trigger the auto generation of RMA records, etc. just like any other document can.

DM-676: Create Simple Web Request Workflow Activity

A new Workflow Activity named Simple Web Request has been created that allows the hand-building of a web request for use inside of a workflow process, providing additional flexibility for interacting with other systems whose web services are incompatible, for various reasons, with existing web service Workflow Activities.

DM-677: Create New Workflow Helper Methods for Building Web Requests

Additional workflow helper methods have been created to make the creation and consumption of XML, JSON, and HTML content simple. This builds upon DM-676 and makes interacting with non-standard web services even easier.

DM-679: Update IIS to Tomcat Connector to V1.2.42

The IIS to Tomcat Connector needed to be upgraded to V1.2.42. There have been numerous improvements and bug fixes made to the ISAPI DLL since V1.2.40 that TechDoc 9 uses.

DM-680: Add Show Associations for Projects

Associations were added to projects in a previous version but Show Associations was not updated to support showing the associations for a Project. In addition, the side menu for a Project needs to be updated for the link to Show Associations.

DM-699: Added Remaining "All of my..." Widgets to My Work Dashboard

As the dashboard functionality has been around a while now and is working well, it was time to add the remaining widgets that were postponed the first time around. Widgets have been created for all of the "All of my..." side menu items on My Work as well as many others.

The following widgets have been created and added for: my Documents, my Folder Shares, my Search Folders, Search Folder (search results of a single Search Folder), my Groups, my Mail Receivers, my RMA Records Sets, my Subscriptions (one for individual Subscriptions and one for Reviews the user is subscribed to), Reviews that need action, Reviews that need a vote, Reviews the user leads, Reviews the user is on, RMA Records owned by the user, RMA Records that are frozen, RMA Records that are past retention, RMA Records that are permanent, RMA Records that are vital, RMA Records that need review. We've also added a few new real time widgets: live updating TechDoc server log viewer (admin only), live updating TechDoc workflow log viewer (admin/workflow manager only), analog clock and digital clock. Additionally, we've also created a calendar widget that functions just as the other calendar controls throughout TechDoc.