

RD-Move v2.2.1 Release Notes

Changes between v2.2.1 and v2.2

- **XML to DOORS**
 - Fixed object caching to only include requirements of ReqPro origin to allow requirements to be added in the DOORS destination modules outside of RD-Move control.
 - Fixed change/history/etc. attributes for internal RD-Move attributes: rdmove_origin, rdmove_status and reqpro_sort so that these changes to these attributes values does not affect requirement history (change bar) in DOORS.
 - Removed collision detection from change processing during DOORS import.

Changes between v2.1 and v2.2

- **Overall**
 - Clean-up of installation directory structure
- **Licensing**
 - RD-Move now uses Macrovision FlexNet (FlexLM) for licensing. Contact Ring-Zero licensing (license [at] ring-zero.com) to receive an updated license.
- **RequisitePro to XML**
 - Enhanced logging
 - Significantly reduced memory footprint while exporting requirements

Changes between v2.1 and v2.0

- **Overall**
 - RD-Move has been migrated from .NET Framework v1.1 to v2.0.
- **Installer**
 - Support for Microsoft .NET Framework v2.0 and 3.0.
 - Installer no longer includes .NET framework installer – installer now directs user to Microsoft download website.
- **RequisitePro to XML**
 - Enhanced single-processor / single-core operation
 - Introduction of Log4Net logging framework (/logs subdirectory)
 - Significantly reduced XML document size
- **XML to DOORS**
 - Enhanced single-processor / single-core operation
 - Replacement of invalid characters in names of requirement types
 - Reduced memory usage due to smaller XML documents

Changes between v2.0 and v1.12

- **Installer**
 - Installer technology changed from Wise Installer to Caphyon Advanced Installer (which internally uses Microsoft .MSI)

- New installation prerequisite: Ring-Zero License Manager component, included within the installer package. This component is not removed during uninstall, but rather can be removed via Control Panel | Add Remove Programs.
- New installation prerequisite: Microsoft .NET Framework v1.1, also included within the installer package
- **Overall**
 - XML technology changed from Apache/Xerces to Microsoft.
 - Implementation of all components changed to Microsoft .NET.
- **Preferences**
 - Support for disabling check for collisions when importing. A collision occurs when RD-Move is attempting to update a DOORS attribute with a new value, but that attribute was most recently modified by a DOORS user other than the one which RD-Move has been configured to use. By default, RD-Move checks for collisions – the user may uncheck this setting in preferences. If the data created by RD-Move will only be updated by RD-Move, disabling checking for collisions may greatly speed up moving data to DOORS.
 - Added ability to enable/disable Trace To and Trace From relationships during export.
 - Added ability to enable/disable export of RequisitePro requirement package information.
 - Ability to specify destination as folder or project. See documentation for caveats.
 - Passwords in preferences are now stored in encrypted format.
 - Mouse-over tooltips added
- **RequisitePro to XML**
 - GUI implementation, as opposed to previous command shell based implementation.
 - Requirement sorting moved from the DOORS importer to the RequisitePro exporter, yielding smoother and faster DOORS imports. Cautionary note: importing requirements exported with previous versions of RD-Move may or may not be out of order (dependent on RequisitePro behavior). A tool to ensure previous exports are sorted may be provided.
 - Addition of implied “<no entry>” value for single selection list attributes. Export of single-selection list attributes with no value now exports as “<no entry>”, which basically makes implicit RequisitePro behavior explicit
 - Added capability to override or specify XML output filename.
 - Added progress meter during requirement export
 - Mouse-over tooltips added
- **XML to DOORS**
 - RequisitePro projects are by default mapped as DOORS folders rather than projects. The upside to this change is that a set of requirements can now be imported to multiple destinations in the DOORS database by changing the destination folder before importing into DOORS. Through preferences, RD-Move behavior can be toggled between importing

RequisitePro projects into DOORS projects or folder.

Requirements are imported to:

/destination folder/project name

- Added support for attributes added to RequisitePro
- Added support for changes to RequisitePro enumerated types are now supported.
- DOORS modules are now opened in “Standard view” enabling updates to modules with custom default views.
- Rdmovenameheading.inc removed. Mapping of RequisitePro requirement name/text to DOORS object heading/object text is now as follows:
RequisitePro requirement name -> DOORS object heading
RequisitePro requirement text -> DOORS object text
- Linkset deletion code fixed for DOORS 8 compatibility.
- Fixes to default value handling, as it applies to single- and multiple-selection list attributes
- DOORS scripting changed to utilize buffers when possible to help DOORS to run more efficiently during import. DOORS log message timestamps moved from within DOORS to within logging component for the same reason.
- View creation implementation improvements
- Better handling of modules open during move/update process. If one or more modules cannot be opened in exclusive edit mode, those modules are skipped but the rest of the process continues. A list of the modules skipped appears after the move/update operation.
- Mouse-over tooltips added

Changes between v1.11 and 1.12

- Export of RequisitePro requirements improved to better handle XML-unfriendly characters in attribute names.
- Better detection and handling of poorly formed XML documents
- DOORS limitation of 32 columns in views enforced when creating “all attributes” views of RequisitePro data in DOORS. This means that RD-Move will only create 32 columns when creating the “all attributes” view in each module; this is a DOORS limitation. Future versions of RD-Move may create multiple “all attributes” views so that every attribute is included in a view.
- RequisitePro export includes each requirement’s package path.

RD-Move, previously implemented as a monolithic application with all functionality contained and accessible from a single executable, has been componentized and broken down into several separate applications with the following in mind:

- User Interface Simplification
- Robustness - capabilities/capacity enhancements
- Speed improvements

- Customizable behavior

The following components are accessible from the Windows “Start” menu.

RD-Move Preferences

RD-Move RequisitePro to XML extraction

RD-Move XML to DOORS migration/update

RequisitePro to XML extraction:

- Tested with RequisitePro projects containing as many as 100,000 requirements.
- The time necessary to extract requirements from a sample project containing 56,000 requirements has been reduced from approximately 120 minutes to 20-22 minutes.
- XML files are now automatically saved to disk, named with the export date and time.

XML to DOORS migration/update:

- Conflict resolution has been added for situations in which DOORS attributes have been modified most recently by a user other than the account used for RD-Move updates.
- Capacity increased from roughly 32,000 requirements (RD-Move v1.0 limitation due to DOORS scripting language limitations) to over 100,000 requirements.
- The time necessary to initially migrate a sample project containing approximately 8,000 requirements has been reduced from 300 minutes to 10-12 minutes.
- Object text/Object heading behavior is now externalized as a separate script file (*rd-move_nameheading.inc*) that may be customized to achieve desired behavior.
- A log file documenting changes made to DOORS is automatically generated and saved to disk. The name of this file is based on the XML input filename and the date and time RD-Move migrated or updated the data in DOORS.