GE
Grid Solutions

Reason DR Manager

Software version 9.2.6 Release Notes

Copyright © 2021 General Electric

Overview

GE regularly introduces software updates to address enhancements in different functional areas. This software release consolidates changes from non-published Reason DR Manager versions 9.2.4 and 9.2.5 and further improvements. This release includes the following:

- Added the software version info in the log file.

- Fault location accuracy improvement.

- Fixed conflict of the device folder name that could download records in a folder with IP address name.

- Fixed the software to avoid becoming non-responsive during auto polling.

- Fixed the software to avoid closing during monitoring Alarms and/or Records History.

- Fixed downloading records from RPV with corrupted ZIC files.

- Fixed restarting software after the configuration polling is changed.

- Improvement on connection mechanism to avoid unnecessary attempt connection to offline device.

- Fixed the software opening mechanism after removing a device during auto download.

- Fixed the "Auto Polling COMTRADE Age" configuration.

- Improvement slow downloading during auto polling when there are devices with poor communication.

- Improvement Cyber Security: removed hard-coded password for DR60.

- Show username for the DR60 model in lower case.

- Updated the communication lib (Renci.SshNet).

- Fixed listing steady-state records from DR60 in the Records Search.

- Added protection to get Traveling Wave records only from RPV model.

- Fixed reading new remote records on the Refresh Device option.

- Fixed the reading of the DR60 records when the number of existing records in the equipment is very large.

- Fix to show the device name of DR60 instead of IP address when it is online during add new device.

- Fixed the removal of DR60 records of the records folder.

- Improvements in the log file.

Software Release Date: **January 2021**

Software Upgrade Process

Upgrading to Reason DR Manager 9.2.6 can be done by executing "ReasonDRManager.InstallerWizard.exe" as administrator, after extracting the "ReasonDRManager-software.install-9.2.6.zip" file.

Software version 09A00 and 9.1.4 can be upgraded without updating the database.

If you have DR Manager version 08A02 or lower than an update of the database is necessary. This process is automated by the installer wizard, please follow the steps indicated by the software. We advise to backup your database using Reason DR Manager before the procedure.

FW Compatibility

This software version is not compatible with DR60 firmware version 02A04 and below. The software will not communicate to DR60 with previous firmware versions until user update the firmware. Users need to configure username and password for each device on the Reason DR Manager, on the menu Settings -> Device.

This software version is compatible with RPV311 firmware version 09A00 and above. The Configuration Tool access via the Reason DR Manager and the Plugins Management work only with firmware version from 13A02 onwards.

Please contact your local sales representative or Grid Automation Global Contact Center for any questions regarding this upgrade.

Release details

In the following release description, a revision category letter is placed to the left of each topic. Refer to the Appendix at the end of this document for the categories displayed.

Fault location improvements

E   **Fault location accuracy improvement**

Improvements in the Fault Location algorithm that could lead to errors above 1km in some fault scenarios and that have pre-fault noise.

Downloading improvements

E   **Fixed conflict of the device folder name that could download records in a folder with IP address name**

Now if the DR Manager lost communication with the equipment, the software will keep the current name until reestablish the communication again. If the user adds a new device while it is offline, the software will continue adding IP address as being the name.

E   **Fixed downloading records from RPV with corrupted ZIC files**

Fixed the software that stopped downloading records from RPV when it had corrupted ZIC files.

C   **Improvement on connection mechanism to avoid unnecessary attempt connection to offline devices**

Now, for each cycle of automatic polling, there will be less communication error messages in the log file when device is offline.

C   **Fixed the software opening mechanism after removing a device during auto download**

Fixed the software to open correctly after a device is removed during automatic COMTRADE download.

C   **Improvement slow downloading during auto polling when there are devices with poor communication**

Improvement on DR Manager to download records in parallel mode. Now, if there is a device with poor communication, the software will continue download of other devices.

C   **Fixed the "Auto Polling COMTRADE Age" configuration**

Fixed the auto download COMTRADE to use the correct age: "Auto Polling COMTRADE Age" instead of "Display Available COMTRADE Age".

Cyber Security improvements

E   **Removed hard-coded password for DR60**

The software will connect to DR60 using username and password configured when the device was added.

For DR60 model, username and password are needed to Get Info and download records.

For RPV model, username and password are needed to Get Info only if the Access Control on the Web Interface is

configured to use password for all access levels.

E   **Show username for the DR60 model in lower case**

Now, the software will show a list with available users for DR60 in the DR Manager environment ("adm" and "cfg").

C   **Updated the communication lib**

Updated the lib *Renci.SshNet*.

General improvements

E   **Added the software version information in the log file**

Added the software version information in the log file to find the software version more easily during support.

B   **Fixed the software to avoid becoming non-responsive during auto polling**

Fixed issue that caused the software to crash in some very specific situations, which made this issue materialize only in some customers and at irregular intervals.

B   **Fixed the software to avoid closing during monitoring Alarms and/or Records History**

Fixed issue that causes the software closed when DR Manager is monitoring devices with many records and user opens Tools -> Alarms and/or Tools -> Records History. In this case, the software generated many error messages in the log file and after a time, the software was closed.

B   **Fixed restarting software after the configuration polling is changed**

Fixed issue that caused the software sometimes not automatically restarting after configuration polling was changed. In this situation, after a time the user needed to open the software manually.

E   **Fixed listing steady-state records from DR60 in the Records Search**

Fixed issue that caused the software to not list the steady-state records even if the option "Average series" was selected.

E   **Added protection to get Traveling Wave records only from RPV model**

The software no longer tries to receive TW records from the DR60, thus avoiding showing an improper error message in the log file.

E   **Fixed reading new remote records on the Refresh Device option**

Fixed issue that caused the software to not list new records existing in remote when the Refresh option for a device was selected. The expected behavior is show records in the yellow color.

E   **Fixed the reading of the DR60 records when the number of existing records in the equipment is very large**

Fixed issued that caused this error and generated an improper message in the log file such as "Argument list too

long".

E   **Fix to show device name of DR60**

Fix to show the device name of DR60 instead of IP address when it is online during add new device.

E   **Fixed the removal of DR60 records of the records folder**

Fixed the issue that caused the software to not delete DR60 record files of the COMTRADE directory.

G   **Improvements in the log file**

Removed the null rows in the message log "SCP Process error" and simplified log message for connection error.

Appendix

Change categories

This document uses the following categories to classify the changes.

Table 1: Revision Categories

Code	Category	Comments
N	New feature	A separate feature added to the product. Changes to existing features even if they significantly expand the functionality are not in this category
G	Change	A neutral change that does not bring any new value and is not correcting any known problem
E	Enhancement	Modification of an existing feature bringing extra value to the application
C	Protocols and communications	Changes to, or problems with protocols or communication features
B	Unexpected restart	Product restarts or closes unexpectedly

For further assistance

For product support, contact our Grid Automation Global Contact Center:

St Leonard's Building

Redhill Business Park

Stafford

ST16 1WT

United Kingdom

Phone: +44 1785 250070

E-mail: ga.support@ge.com

Website: https://www.gegridsolutions.com/multilin/support.htm