IBM Rational DOORS Requirements Management Framework Add-On

IRDRMFAO Install Guide

IBM Rational DOORS Requirements Management Framework Add-on IRDRMFAO Install Guide Release 5.4.0.5

Before using this information, be sure to read the general information under the "Notices" chapter on page 40.

This edition applies to **VERSION 5.4.0.5, IBM Rational DOORS Requirements Management Framework Add-on** and to all subsequent releases and modifications until otherwise indicated in new editions.

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I Introduction

This document describes the procedure to install IBM® Rational® DOORS® Requirements Management Framework Add-on on your computer. This software has been previously delivered by Telelogic as a Professional Service Asset named DOORS T-REK. IBM® Rational® DOORS® Requirements Management Framework Add-on is now an IBM Rational product in the continuity of DOORS T-REK. Depending on the context, customers installing IBM® Rational® DOORS® Requirements Management Framework Add-on may install the add-on on top of DOORS or they may upgrade an existing install of DOORS T-REK. The two cases are supported by the software.

The install Wizard will drive the installation for you but some restrictions are applied and will be specified in the next chapters.

In the body of this document IRDRMFAO or RMF means **IBM®** Rational® **DOORS®** Requirements Management Framework Add-on.

The Installation Wizard allows you to install IRDRMFAO in several ways:

- Full installation : it means that all the IRDRMFAO files will be installed on your computer, either :
 - In the directory where the DOORS client was installed (default mode)
 - In another directory (mode called "out of place" installation)
- Workstation installation : it means that your IRDRMFAO installation will depend on a full installation done on a file server. The main advantage of this installation mode is the ease of maintenance : when upgrading to a newer version of IRDRMFAO, you only need to perform one single installation, on the file server.

BEWARE !

To upgrade a workstation installation of DOORS T-REK 5.3p2 (or earlier) to IRDRMFAO 5.4.0.5 (or later) you have to (re)install IRDRMFAO on all the client computers because the client installation is not backward compatible starting from TREK 5.3p2

The Installation Wizard is available in three languages: English, French and German.

IRDRMFAO also supports **Silent installation**. In this mode the interactions with the user are replaced by a parameter file. See § 4 "Silent Installation" to learn how to setup and run a silent installation.

IRDRMFAO contains also a binary component, allowing to use the graph layout capabilities of Graphviz. This binary component is the program GraphvizContainer.exe. It is executed when the **Explorer** is called, in order to generate the graph layouts.

2 Check that you meet the prerequisite

Before installing any version of IRDRMFAO, it is required to uninstall any previous version of IRDRMFAO or of DOORS T-REK.

- To install IRDRMFAO, you must have Administrator rights.
- Your computer must have at least 43 MB of free disk space for a full installation, or only 1 MB for an installation in workstation mode.
- IRDRMFAO 5.4.0.5 is restricted to Windows platforms for :
 - \blacktriangleright DOORS 8.1
 - DOORS 8.2
 - DOORS 8.3
 - ➢ DOORS 9.0
 - ► DOORS 9.1
 - ➢ DOORS 9.2 (since the fix pack 5.4.0.1)
 - ➢ DOORS 9.3 (since the fix pack 5.4.0.5)
- The fix pack DOORS 9.2.0.2 requires the fix pack RMF 5.4.0.2 (or subsequent)
- The fix pack DOORS 9.2.0.3 requires the fix pack RMF 5.4.0.3 (or subsequent)
- Because the DXL encryption schema used by DOORS 9.1 is not compatible with the previous schema, IRDRMFAO is delivered in two different versions:
 - ratlDOORS_RequirementsFrmwork_5-4-0-5_setup81_90.exe for all versions up to DOORS 9.0
 - ratlDOORS_RequirementsFrmwork_5-4-0-5.exe for DOORS 9.1, DOORS 9.2 and DOORS 9.3

You must install a version consistent with the DOORS version you have, if you install the wrong version all IRDRMFAO operations will fail to be executed.

- WEXP and the irdrmfao.dot macro are compliant only with versions of MS Word from Word 2000 up to Word 2010 (Word 97 is no longer supported).
- Check that you have rights to create files into the DOORS Home directory (directory where DOORS has been installed) and to modify the Windows Registry.
- Only one version of IRDRMFAO may be installed with the Wizard. This install is not compatible with the existence of a previous version of IRDRMFAO or of DOORS-TREK, whatever the version, except in the case where the two installations are for two different versions of DOORS.

3 Install IRDRMFAO

Installing IRDRMFAO with its Installation Wizard is an easy action. Just follow the screenshots, don't forget the prerequisite and everything will be fine.

3.1 Select the language to be used by the installer

Installer	Language	×
	Please select a language.	
	English	~
	OK Cano	:el

This choice only define the language used by the installer. This has no effect on the language for IRDRMFAO (always in english).

3.2 Warning

 IBM Rational DOORS Requirements Management Framework Add-on 5.4.0.4
 Image: Continue of Doors of Doors of IBM Rational DOORS Requirements Management Framework Add-on is allowed. Older versions of IBM Rational DOORS Requirements Management Framework Add-on need to be uninstalled before continuing (if applicable). Continue?

 Yes
 No

The installation wizard can succesfully install IRDRMFAO 5.4.0.5 only if no previous version of IRDRMFAO (whatever the version) was installed for the same version of DOORS. Whenever another version of IRDRMFAO has been installed for another version of DOORS, the installation will be successfully performed.

Click "Yes" after checking that IRDRMFAO is not already installed for the version of DOORS that you plan to install IRDRMFAO 5.4.0.5 against. Otherwise, click « No » and then unistall IRDRMFAO before running the installed again.

3.3 Accept Licence

🕞 IBM Rational DOORS Requ	irements Management Framework Add-on 5.4.0.4 🛛 🖃 🗖 🔀
IEM Pational COORS Mequirements Management Hamework Add-On	License Agreement Please review the license terms before installing IBM Rational DOORS Requirements Management Framework Add-on.
Press Page Down to see t	he rest of the agreement.
IMPORTANT: READ CAR	EFULLY
Two license agreements a	re presented below.
1. IBM International Licens 2. IBM International Progra	se Agreement for Evaluation of Programs am License Agreement
testing, trial "try or buy," o	ogram for purposes of productive use (other than evaluation, or demonstration): By clicking on the "Accept" button below, ational Program License Agreement, without modification.
	the agreement, click I Agree to continue. You must accept the ational DOORS Requirements Management Framework Add-on.
IBM Rational DOORS Require	ements Management Framework Add-on 5.4.0.4
After reading this agreement	accept it to continue the installation or denv it to quit the

After reading this agreement, accept it to continue the installation or deny it to quit the installation.

3.4 Choose DOORS version

BM Rational DOORS Requ	irements Management Framework Add-on 5.4.0.4	
IEM Pational DOORS Hequirements Management Hamework Add-On	Selection of DOORS Version	
DOORS Version:		
	O DOORS 8.1	
	O DOORS 8.2	
	ODORS 8.3	
	O DOORS 9.0	
IBM Rational DOORS Require	ements Management Framework Add-on 5.4.0.4 < Back Next >	Cancel

In this page, simply choose for which version of DOORS, IRDRMFAO will be installed. To install IRDRMFAO on several DOORS versions, you have to execute the Installation Wizard several times.

The installer automatically detects which version of DOORS is installed so that the choice of a version that is not installed, is disabled (greyed out).

🕏 IBM Rational DOORS Requir	ements Management Framework	x Add-on 5.4.0.4 🛛 🗖 🗖
EM Pational COORS Requirements Management Hamework Add-On	Select of installation type	
Select the installation mode use of an already existing re	: either Full (local installation) or V mote installation)	Vorkstation (configuration for
Select of installation type	Full Installation workstation installation	Description All files will be installed on your host. Required to run scripts in batch.
Space required: 42.0MB		
IBM Rational DOORS Requiren	nents Management Framework Ac	id-on 5.4.0.4
	< Back	Next > Cancel

In this page, you are asked to choose either to fully install IRDRMFAO on your computer, or rely on a remote installation of IRDRMFAO.

This second possibility called "workstation installation" consists in configuring the selected version of DOORS to use a remote installation. The advantage of this workstation installation is the simplicity to upgrade to a newer version of IRDRMFAO later on. There is no need to upgrade IRDRMFAO on each DOORS client computer: only the shared installation of IRDRMFAO shall be changed.

BEWARE !

To run scripts in batch mode, RMF must be installed in "full installation" mode <u>and</u> in the default directory (the HOME of DOORS)

This limitation does not apply if you are using DOORS 9.3

3.6 Select the installation Directory

Depending on the installation mode that has been chosen, you are asked to enter in this page :

-	in the "full installation" mode :	the directory where IRDRMFAO should be
	installed	

🐨 IBM Rational DOORS Requirements Management Framework Add-on 5.4.0.4 👘 🖃 🖾
IEM Pational COORS Requirements Management Hamework Add: Un
IBM Rational DOORS Requirements Management Framework Add-on will be installed into the directory indicated below. If you like to use a different target directory click Browse and select an appropriate directory. Click Next To continue.
Target directory C:\Program Files\Telelogic\DOORS_8.3\ Browse
Space required: 42.0MB Space available: 18.2GB
IBM Rational DOORS Requirements Management Framework Add-on 5.4.0.4
< Back Next > Cancel
in the "workstation installation" mode : the path to a remote installation of IRDRMFAO.

This path to be entered is the directory where IRDRMFAO has been installed (in the "full installation" mode), i.e the following sub-directories should exist in that directory : "lib" and "IRDRMFAO".

Important: To make it easier to install IRDRMFAO in workstation mode, the right path can be automatically provided to the user.

To achieve that, you have to create a file called "IRDRMFAO.INI" containing this path, and run the installer in a directory containing this "IRDRMFAO.INI" file.

The "IRDRMFAO.INI" file shall have the following content :

[Server] IrdrmfaoDir=<directory of the remote installation of **IRDRMFAO**>

Example:

[Server]]		
Irdrmfa	oDir=\\UKSERV	1\DOORS\i	rdrmfao

🕞 IBM Rational DOORS Requi	irements Management Framework Add-on 5.4.0.4 🛛 🗔 🗔 🔯
IEM Pational 200RS Hequiraments Management Hamework Add-Un	Installing Please wait while IBM Rational DOORS Requirements Management Framework Add-on is being installed.
Show details	
IBM Rational DOORS Require	ments Management Framework Add-on 5.4.0.4
	< Back Close Cancel

3.7 End of installation

During installation phase, the GraphvizContainer executable is registered as an OLE server:

CONTRACTOR OF CONTRACTOR CON	Mame (Default)	Type REG_SZ	Data GraphvizContainer.Graphviz.1
🖶 🧰 {41D70F8E-D8F1-41EB-8E3C-46DEB13207F7 🔼	Name	Туре	Data
1.0 0 FLAGS HELPDIR	ab[(Default)	REG_SZ	C:\Irdrmfao54\IRDRMFAO\TOOLS\graphvizcontainer.ex

🕞 IBM Rational DOORS Requ	irements Management Framework Add-on 5.4.0.4 🛛 🖃 🖾
IEM Rational 200RS Hequirements Management Hamework Add-On	Installation Complete Setup was completed successfully.
Completed Show details	
IBM Rational DOORS Requin	ements Management Framework Add-on 5.4.0.4

Click on the button "Show details" to obtain precisely what was done.

rtional 200RS rememis Management Hamework Add-Un	Installation Complete Setup was completed successfully.
Completed	
Create shortcut: C:\Docu	uments and Settings\All Users\Start Menu\Programs\IRDR 💽
Create folder: C:\Docum	ents and Settings\All Users\Start Menu\Programs\IRDRMF uments and Settings\All Users\Start Menu\Programs\IRDR
Create shortcut: C:\Docu	uments and Settings\All Users\Start Menu\Programs\IRDR uments and Settings\All Users\Start Menu\Programs\IRDR
Create shortcut: C:\Docu	uments and Settings\All Users\Start Menu\Programs\IRDR
Create shortcut: C:\Doci	iments and Settings\All Users\Start Menu\Programs\IRDR
Create shortcut: C:\Docu	uments and Settings\All Users\Start Menu\Programs\IRDR uments and Settings\All Users\Start Menu\Programs\IRDR uments and Settings\All Users\Start Menu\Programs\IRDR
Create shortcut: C:\Docu Create shortcut: C:\Docu Create shortcut: C:\Docu	uments and Settings\All Users\Start Menu\Programs\IRDR uments and Settings\All Users\Start Menu\Programs\IRDR uments and Settings\All Users\Start Menu\Programs\IRDR
Create shortcut: C:\Docu Create shortcut: C:\Docu Create shortcut: C:\Docu	uments and Settings\All Users\Start Menu\Programs\IRDR uments and Settings\All Users\Start Menu\Programs\IRDR
Create shortcut: C:\Docu Create shortcut: C:\Docu Create shortcut: C:\Docu Created uninstaller: C:\P Completed	uments and Settings\All Users\Start Menu\Programs\IRDR uments and Settings\All Users\Start Menu\Programs\IRDR uments and Settings\All Users\Start Menu\Programs\IRDR
Create shortcut: C:\Docu Create shortcut: C:\Docu Create shortcut: C:\Docu Created uninstaller: C:\P Completed	uments and Settings\All Users\Start Menu\Programs\IRDR uments and Settings\All Users\Start Menu\Programs\IRDR uments and Settings\All Users\Start Menu\Programs\IRDR Program Files\Telelogic\DOORS_8.3\IRDRMFAO-uninstDO

1. A new menu will appear in the Windows start menu and you will have some shortcuts to the IRDRMFAO documentation and the shortcut to uninstall IRDRMFAO.

🖬 Programs	IRDRMFAO 5.4.0.3		Manuals	🕨 🔂 Dashboard Manual
_	P abjects /Disk		Uninstall IRDRMFAO 5.4.0.3	🔁 DOC Manual
		7	👌 User Guide	🔁 Exchange Manual
				🔁 Explorer Manual
				🔁 RCM Manual
				📩 Word Exporter Manual
				🔁 Word Importer Manual

2. Execute the DOORS client to access to the DOORS data base.

You should have a RMF menu in the DOORS explorer tool, and also in the module windows.

Run the About operation in the RMF menu (for project and for module), a dialog box should be displayed as :

About IBM Rational DOORS Requirements Management Fra	X
IBM Rational DOORS Requirements Management Framework Add-On	
IBM Rational DOORS Requirements Management Framework Add-On Version 5.4.0.4 for DOORS 8 & DOORS 9	
Licensed Materials – Property of IBM (c) Copyright IBM Corporation 2009, 2010. All Rights Reserved. U.S. Government Users Restricted Rights: Use, duplication or disclosure restricted by GSA ADP. Schedule Contract with IBM Com	
ОК	

If any error is displayed, you have some trouble during the installation.

3. Open a Word document.. You should be able to see the IRDRMFAO menu bar, as in:

If the menu bar is not visible, the **DoorsIrdrmfao.dot** file has not been copied into the Office startup directory and is not visible as a Word complement.

You should check that your Word security options allow the execution of the macro.

4 Silent Installation

IRDRMFAO supports Silent Installation mode.

When the installer is run, it does not ask anything to the used but instead read some parameters into a response file.

4.1 Create the response file

The response file shall be called "IRDRMFAO.INI" and be located in the same directory as the installer.

This "IRDRMFAO.INI" file shall have the following content :

```
[SilentInstall]
InstallMode=full OR workstation
DoorsVersion=<version number (see examples below)>
InstallDir=<directory in which IRDRMFAO will be installed - useful ONLY in full mode>
IrdrmfaoDir=<directory of the remote installation of IRDRMFAO - required ONLY in workstation
mode>
```

NB:

- 1. in full installation mode, if the parameter "InstallDir" is missing, then IRDRMFAO will be installed in the Installation directory of DOORS.
- 2. DOORS version number format : <major>.<minor>

Example: 9.2

3. If the DOORS version provided is not one of the available DOORS versions, then IRDRMFAO is by default installed for the most recent version of DOORS.

Some examples below:

```
[SilentInstall]
InstallMode=workstation
DoorsVersion=9.2
IrdrmfaoDir=\\uranus\rmf5.4
```

```
[SilentInstall]
InstallMode=full
DoorsVersion=9.2
```

```
[SilentInstall]
InstallMode=full
DoorsVersion=9.2
InstallDir=D:\Software\RMF\v5.4
```

4.2 How to run the installer in silent mode

The response file shall be located in the same directory as the installer.

Then simply run the installer passing /S on the command line (case sensitive) :

```
ratlDOORS RequirementsFrmwork 5-4-0-2.exe /S
```

You can allo request the creation of a log file that will contain an error message whenever the installation fails.

```
ratlDOORS_RequirementsFrmwork_5-4-0-2.exe /S /LOG=<file
path>
```

Exemples :

```
ratlDOORS_RequirementsFrmwork_5-4-0-2.exe /S
/LOG=C:\temp\IRDRMFAO.log
ratlDOORS_RequirementsFrmwork_5-4-0-2.exe /S
/LOG="C:\IRDRMFAO\IRDRMFAO.log"
```

The IRDRMFAO installer returns an error level as a result of its execution, and write the following error messages into the log file :

Error level	Comment	Content of the log file
0	Normal execution (no error)	
2	Installation aborted by script	IRDRMFAO installation aborted : the response file IRDRMFAO .ini is missing
3		IRDRMFAO installation aborted : invalid parameter 'InstallMode' in the file : IRDRMFAO.ini
4		IRDRMFAO installation aborted : none of the supported DOORS versions is installed
5		IRDRMFAO installation aborted : bad or missing parameter 'IrdrmfaoDir' in the file : IRDRMFAO.ini

5 Uninstall IRDRMFAO

To uninstall IRDRMFAO, use the shorcut directly present in the start menu or go directly to "Add/remove Programs" in the Control Panel.

5.1 Confirm uninstallation



Before beginning the uninstallation, the Wizard will ask you if you want to remove IRDRMFAO.

5.2 Do uninstall

After this window, there is no way to return if you decide to uninstall IRDRMFAO. If yes, you will have the next window as follows:

EM Rational COORS Vequirements Management Hamework Add-(Uninstall IBM Rational DOORS Requirements Management Remove IBM Rational DOORS Requirements Management Framework Add-on from your computer.
	S Requirements Management Framework Add-on will be uninstalled Ider. Click Uninstall to start the uninstallation.
Uninstalling from:	C:\Program Files\Telelogic\DOORS_8.3
IBM Rational DOORS I	Requirements Management Framework Add-on 5.4.0.4
	< Back Uninstall Cancel

IBM Rational DOORS Requ	irements Management Framework Add-on Uninstall 🛛 🖃 🗔 🖹
EM Pational COORS lequirements Management Hamework Add-On	Uninstalling Please wait while IBM Rational DOORS Requirements Management Framework Add-on is being uninstalled.
Delete file: C:\Program File	es\Telelogic\DOORS_8.3\LIB\DXL\ADDINS\IRDRMFAO\pIm\gui\p
Show details	
IBM Rational DOORS Paguin	ements Management Framework Add-on 5.4.0.4

🕞 IBM Rational DOORS Requirements Management Framework Add-on Uninstall 🛛 🖃 🖂 🔀
IEM Pational COORS Hequinaments Management Hamework Add-Un Uninstall was completed successfully.
Completed Show details
IBM Rational DOORS Requirements Management Framework Add-on 5.4.0.4

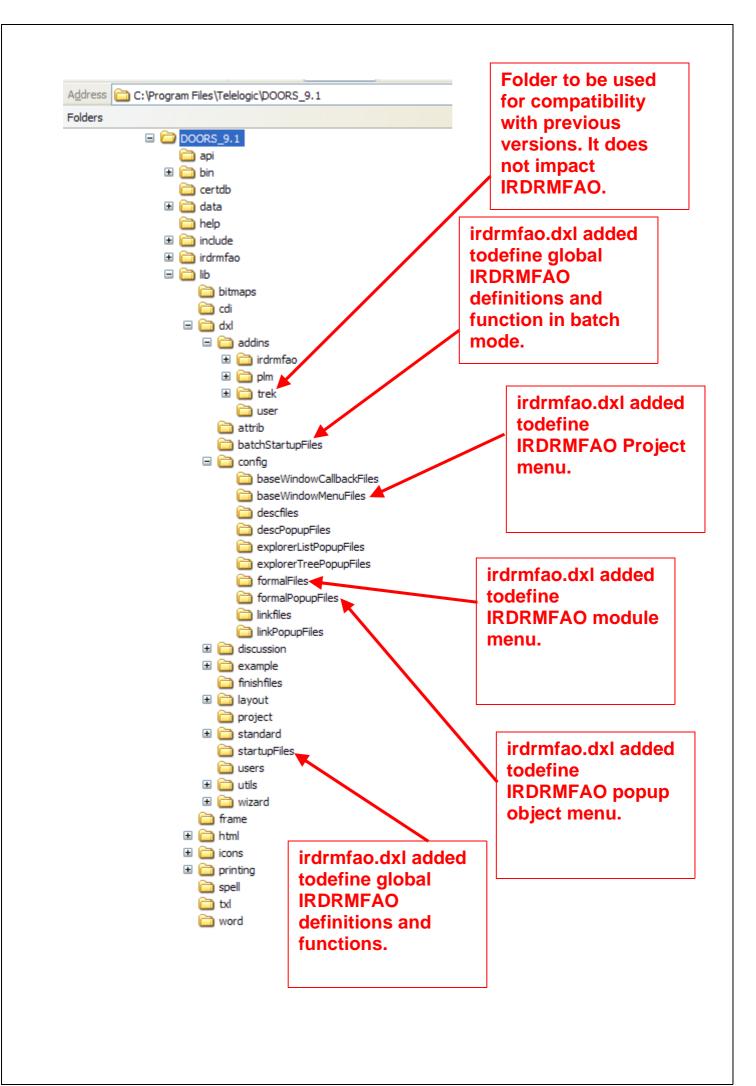
We can click on the button "Show details" to see the details of the uninstallation process.

I Partional 200RS gulrements Management Hamework Add-On	Uninstallation Complete Uninstall was completed successfully.
Delete file: C:\Documents Delete file: C:\Documents Delete file: C:\Documents Delete file: C:\Documents Delete file: C:\Documents Remove folder: C:\Documents Delete file: C:\Documents Remove folder: C:\Documents	s and Settings\All Users\Start Menu\Programs\IRDRMFAO s and Settings\All Users\Start Menu\Programs\IRDRMFAO nents and Settings\All Users\Start Menu\Programs\IRDRMFAO s and Settings\All Users\Start Menu\Programs\IRDRMFAO s and Settings\All Users\Start Menu\Programs\IRDRMFAO s and Settings\All Users\Start Menu\Programs\IRDRMFAO s and Settings\All Users\Start Menu\Programs\IRDRMFAO nents and Settings\All Users\Start Menu\Programs\IRDRMFAO nents and Settings\All Users\Start Menu\Programs\IRDRMFAO
	nents and Settings\All Users\Start Menu\Programs\IRDRM
Completed	

6 Modifications in the environment

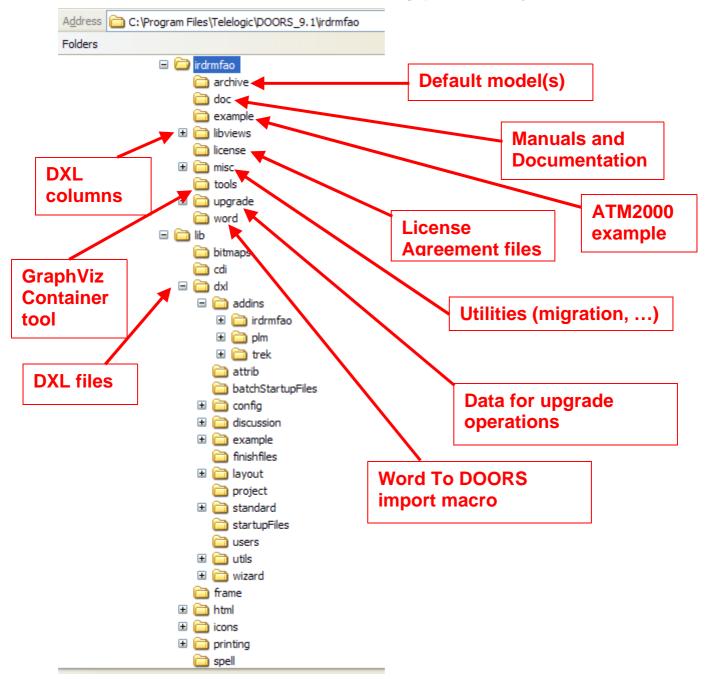
When installing IRDRMFAO, some modifications of your standard DOORS environment occur. Several files are added into the IRDRMFAO standard directories.

Example for DOORS 9.1:



These files are added in case of default installation or out of place installation. In case of an out of place installation, the IRDRMFAO install may be anywhere in the file system. These file are source DXL files, but they do not contain DXL definition, but only includes to DXL source files that are located always in the IRDRMFAO install directory.

The structure of the IRDRMFAO files is displayed in the next figure:



In case of default installation, the "IRDRMFAO " directory is replaced by the DOORS install directory, for example: "c:\program files\IBM\Rational\DOORS\9.2".

The **irdrmfao.dot** Word complement file should be automatically installed into the standard Office startup directory, if not, it is required to copy by hand the DoorsIrdrmfao.dot file into the right place.

In case of out of place install, the setup program modifies the registry key **Addins**, allowing to define the list of complementary directories:

💣 F	🔊 Registry Editor						
<u>F</u> ile	<u>E</u> dit	<u>V</u> iew F <u>a</u> vorites <u>H</u> elp					
		🖃 🛄 Telelogic	^	Name	Туре	Data	^
		DOORS		(Default)	REG_SZ	(value not set)	
		ia • 🦲 8.2		ab Addins	REG_SZ	C: \irdrmfao54/lib/dxl	
	9.1 Compatibility Config DORS_Server DORS_1 DORS9.1 Config		BrowserName	REG_SZ	%programfiles%\Internet Explorer\jexplore.exe	2	
			ab)Data	REG_SZ	36678@PA-VM-XP	-	
			(Home	REG_SZ	C:\Program Files\Telelogic\DOORS_9.1\		
			ab InstallDate	REG_SZ	12/01/2009		
			ab oleopenlimit	REG_SZ	5		
			ab Security	REG_SZ	soft	~	
		IRDRMFAO DataModel	~	<			>
My Co	My Computer (HKEY_LOCAL_MACHINE\SOFTWARE\Telelogic\DOORS\9.1\Config						

7 Menus configuration

All the IRDRMFAO menus, except the Kitchen menus, are now dynamically created and checked. The corresponding code is not uncrypted, and it is possible to change these menus. Only people with a good knowledge of DOORS and IRDRMFAO should modify these files, that are coded into DXL.

C:\Program Data\Synergy\ccm_wa\trek\trek~fralco_5.4\trek\lib\dxl\config File Edit View Favorites Tools Help prj_irdrmfao.inc: C Back 🝷 S check, callbacks and menu 🗸 🔁 Go Address C:\Program Data\Synergy\c b\dxl\config creation for x Date Modified Size Name 🔺 Folders projects 18/05/2009 18:50 basewindowmenufiles 🗄 🚞 inst ~ 18/05/2009 18:50 🗎 formalfiles 🗄 🚞 install91 18/05/2009 18:50 formalpopupfiles 표 🚞 irdrmfao 🖃 🧰 lib 🖃 🧰 dxl 🗄 🚞 addins mod irdrmfao.inc: 🗋 batchstartupfiles menu creation for 🖃 🧰 config modules basewindowmenufiles popup_irdrmfao.in formalfiles c: menu creation formalpopupfiles for objects startupfiles 🗉 🚞 utils **v** < 🛃 My Computer 3 objects (Disk free space: 47.2 GB) 0 bytes

The different files that are involved into the IRDRMFAO menu creation are:

Example: RMF menu for projects

const string RMF_MENU_RMF = "RMF"
const string RMF_ITEM_upgrade =
 "Upgrade Project Profile for RMF 5.4.0.5"
const string RMF_ITEM_create_p =
 "Create/Tag a RMFProject"
 const string RMF_ITEM_config_p =
 "Configure a RMF Project"
 const string RMF ITEM create m =

```
"Create/Tag a RMF Module"
    const string PLM ITEM SearchGeneratedSuspFromCR =
     "Search Suspect Links From CR"
    const string PLM_ITEM_SearchSuspInMod =
     "Search Suspect Links From Module"
    const string PLM MENU rcm = "RCM"
// generic check function
int RMF check1 ()
{
  if (RMF IsProjectUpgraded()) return menuAvailable
  else return menuUnavailable
}
...
// specific check - config p (Configure a RMF Project)
int RMF_config_p_check_()
{
   return RMF check1
}
// callback function
void RMF config p callback ()
{
   eval "#include <addins/IRDRMFAO/menu
calls/project/CONFIG_P.DXL>"
}
...
// menu definition
createMenu(RMF check , RMF MENU RMF, null, null)
createItem(RMF create p check, RMF create p callback,
           RMF_ITEM_create_p, null, null, modKeyCtrl,
           null ,null,
           RMF ITEM create p, RMF ITEM create p)
createItem(RMF config p check , RMF config p callback ,
           RMF ITEM config p, null, null, modKeyCtrl,
                null , null,
```

RMF_ITEM_config_p, RMF_ITEM_config_p)

separator

•••

8 Troubleshooting

If DOORS reports some errors after the installation of IRDRMFAO, check:

- That the a file named **irdrmfao.dxl** exists in the **config** and **startupfiles** directories of DOORS.
- Checks the content of the other files in the same directories, to detect any conflict between the IRDRMFAO files and the other files.
- Checks the content of the file "...Migration.dxl", in the startupfiles directory. Suppress any IRDRMFAO file inclusion found in this file.
- Check the content of the predefined **startup.dxl** file.

Always remove the previous version of IRDRMFAO (or any installed T-REK version) before reinstalling IRDRMFAO.

9 Upgrade of IRDRMFAO projects

IRDRMFAO 5.4.0.5 operations are available only for project updated or created for IRDRMFAO 5.4.0.5. An "upgrade" operation is provided with IRDRMFAO 5.4.0.5. This upgrade operation makes the project configuration compatible with IRDRMFAO 5.4.0.5, for any previous IRDRMFAO or DOORS T-REK version.

The project data are not modified by the upgrade, nor the existing module types in project configuration, except in case of migration of a previous DOORS T-REK version, with the RCM component deployed on the project. In this last case, because of the modification of the RCM trigger management, the old RMC triggers at **project level** are deleted and created again, but at **module level**.

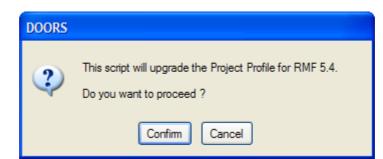
DOORS Database: /ATM2000 - DOORS File Edit View Favorites Tools RMF Help Create/Tag a RMF Project 📑 📬 🏚 🕸 🛣 📑 🖻 Configure a RMF Project Favorites ¥ Create/Tag a RMF Module 🖃 📔 DOORS Database ~ Description 🖨 🕞 ATM2000 Define default link module RCM Change Requests location 🗄 🛅 Change Requests Explore ۲ Project Model and Configuration 🗄 🛅 Config Consistency check 🗄 🛅 Integration UML ATM2000 Metrics Manage Integrity check 🗄 🛅 Metrics System Tests Description 🗄 🦳 Tests New Dashboard Module 🗄 🛅 EUPHORA Document Index Module Manage Documents RCM follows links Manage WEXP Jobs Requirements analysis - Issues and E Exchange ۲ RCM impacts links Configuration Items are the targets of Process imported modules Composition link between objects to I Upgrade Project Profile for IRDRMFAO 5.4 Objects different to another ones About IRDRMFAO Objects identical to another ones 🗟 is justified by Link System Definition objects are justified PBS-SSDD Product Breakdown Structure Module Formal 🔄 refers to Link Issues refer to System Definition Obie RFP V1 Formal Request for Proposal Module 📄 RFP V2 Formal Request for Proposal Module 🧟 satisfies Link Lower level Requirements satisfy top SSS v1 System Requirements Module Formal > < Usemame: admin1 User type: Database Manager

Example:

The "Upgrade Project Profile for IRDRMFAO 5.4.0.5" operation is visible only for the RMF projects not yet compatible with IRDRMFAO 5.4.0.5.

The execution of this operation will extend the "Project Profile" of your project, and with add some new module types in the "Module Types" folder.

• Execute the "Upgrade" operation



Accept the modifications

🐴 Upgrade of Project Profile to IRDRMFAO 🔳 🗖 🔀
IBM Rational DOORS Requirements Management Framework Add-On
Modifications of the Project Profile:
UPGRADING PROJECT PROFILE OF PROJECT ATM2000 DATE: 25 May 2009 USER: admin1
create temporary folder 'temp1243257175' for backup Project Profile backuped Project Index backuped Module Types backuped Template module CR deleted Template CR restored from archive Attribute 'RCM Control Links' deleted Attribute 'RCM Non Documentary CR Module Name' deleted Relationship 'cfg_uses' created
Relationship 'UML Links' created Icon 'any.bmp' created
Accept Modifications Close

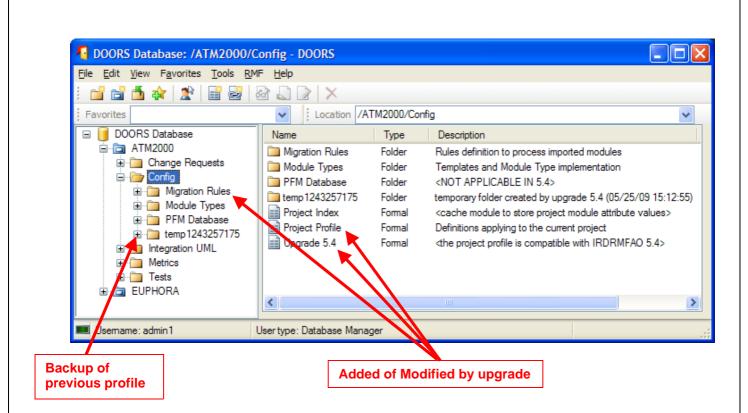
• If you want to use RCM, DOC or EXCHANGE functionalities, you may execute the default project configuration (if these functionalities have not been configured yet)

DOORS	
?	Do you want to execute the project configuration ?
	Confirm Cancel

• If you have answered 'Confirm', then the project configuration utility is automatically executed:

Configure a RMF Project - DOORS				
IBM Rational DOORS Requirements Management Framework Add-On				
Project profile: /ATM2000/Config/Project Profile				
PUID WORD RCM D	DC EXCHANGE CHECK			
Project's PUID Strategy				
Automatic				
Project's PUID default prope				
Counter Increment Value:	1			
Number of digits:	3			
Separator:	- No separator			
	Apply Close			

The data modified by the Upgrade operation are:



The modifications done inside the profile depends from the last version of IRDRMFAO that was used in the project. Upgrade operation adds all required definitions allowing the new version of IRDRMFAO to be usable. For example, and upgrade from 5.2 to 5.3 corresponds to this list of modifications:

Template module NON DOC CR LIST deleted Template module CR deleted Template CR restored from archive Object Attribute 'IE Priority' created Object Attribute 'IE Model View deleted Object Attribute 'IE View Name created Object Attribute 'IE View' created Object Attribute 'IE Is Contextual Attribute' created Module Attribute 'IE PFM Configuration Index' created Module Attribute 'RCM Is Specific Version Code' created Module Attribute 'RCM Detect links to working obj with different CR' created Module Attribute 'RCM Repair Link Modification' created Attribute 'RCM Control Links' deleted Attribute 'RCM Non Documentary CR Module Name' deleted Section 'Definition of the Views' created Section 'Definition of the icons' created Module Type 'Non Documentary CR List' deleted Template 'NON_DOC_CR_LIST' deleted PFM Database restored from archive Icon 'any.bmp' created Icon 'cr.bmp' created Icon 'db.bmp' created Icon 'di.bmp' created Icon 'id.bmp' created Icon 'ivv.bmp' created Icon 'pbs.bmp' created Icon 'sr.bmp' created Icon 'ur.bmp' created View 'Definition of the Templates' created View 'Definitions of the Model Views' deleted View 'Definition of the Views' created View 'Definition of the Icons' created

They are associated with the modification of RCM and with the introduction of the new Relationship Manager.

Some technical templates in the **Module Types** folder may be also replaced. The templates that are associated to tools and not to the data model are:

- CR: Change Request template. Used by RCM.
- DASHBOARD: Dashboard template, used by Dashboard functionality.
- DI: Document Index, used by DOC.

No existing module of your project is modified by the Upgrade.

To complete the upgrade of your project, you will probably have to upgrade your already existing templates and your project modules as well.

10Client configuration

DOORS allows you to give parameters on the command line of the shortcut used to execute the DOORS client. The list of parameters may be found in the DOORS standard documentation.

Here you can find some useful examples.

Connexion to a database server different from the standard one

-data 36677 @ my_server

may be used to define the DOORS server from which the data should be downloaded (in the example on the port *36677* of the *my_server* computer)

Connexion with a user name already defined

-user my_name

may be used to define the DOORS login name.

Installation of IRDRMFAO on an application server (or file server)

-addins or -a "\\app_server\IRDRMFAO\lib\dxl "

to define a directory to find the IRDRMFAO addins. This information may be also entered in the registry configuration of the DOORS client, or in the "ADDINS" environment variable. In the example *app_server* is the name of the computer used as application server.

-dx1 "#include <\\\\app_server\\IRDRMFAO\\lib\\dxl\\startupfiles\\irdrmfao.dxl>"

to specify a startup file. This parameter cannot be defined in the registry.

These parameters allow you to have different IRDRMFAO contexts. You should notice that the command line has a limited size, in case of overflow you may define these three values as a combination of registry/environment variables values and command line.

Also, it is required to add the irdrmfao.dxl files in the standard DOORS config directory.

11 Complements

IRDRMFAO is delivered with some sample or utility DXL script files. For example, the "Kitchen" scripts are automatically installed, these scripts are delivered as a ZIP archive named RMF_kitchen.zip in the directory IRDRMFAODIR\misc\addins. To install it, you may unzip it in the directory DOORSDIR\lib\dxl\addins.

Content of Misc:

addins: complement utilities
History.zip
irdrmfao_lib.zip
RMF_kitchen.zip

migration: to update existing data

migrate-rcm.dxl
patch-dashboard.dxl
patch-puid.dxl

other: restore links from history and unlock baseline set
restore_links.dxl
unlockbsd.dxl

project_index: creation/modification of a project index in batch

create_index.bat
create_index.dxl
update_index.bat
update_index.dxl

wexp: execution of WEXP without any GUI
batchwexp.dxl

wexp_spooler: batch management of the WEXP spooler spooler_getlog.bat spooler_pause.bat spooler_remall.bat spooler_remlocks.bat spooler restart.bat spooler_stop.bat
startspooler.bat

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