

ConfigurationDesk for RapidPro

User Interface Reference

For ConfigurationDesk 6.7

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- Local dSPACE companies and distributors: <http://www.dspace.com/go/locations>
- For countries not listed, contact dSPACE GmbH in Paderborn, Germany.
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You can also use the support request form: <http://www.dspace.com/go/supportrequest>. If you are logged on to mydSPACE, you are automatically identified and do not need to add your contact details manually.

If possible, always provide the relevant dSPACE License ID or the serial number of the CmContainer in your support request.

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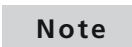


About this Reference


ConfigurationDesk for RapidPro	ConfigurationDesk for RapidPro, lets you conveniently configure the signal conditioning (SC) modules and power stages (PS) modules of dSPACE's RapidPro hardware.
---------------------------------------	---

Contents	This reference provides information on ribbon commands, context menu commands, dialogs and windows of ConfigurationDesk for RapidPro. It also contains descriptions for the file formats relevant when working with ConfigurationDesk for RapidPro.
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Required knowledge	Knowledge in handling the host PC and the Microsoft Windows operating system is presupposed.
---------------------------	--

Symbols	dSPACE user documentation uses the following symbols:
----------------	---

Symbol	Description
	Indicates a hazardous situation that, if not avoided, will result in death or serious injury.
	Indicates a hazardous situation that, if not avoided, could result in death or serious injury.
	Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.
	Indicates a hazard that, if not avoided, could result in property damage.
	Indicates important information that you should take into account to avoid malfunctions.
	Indicates tips that can make your work easier.
	Indicates a link that refers to a definition in the glossary, which you can find at the end of the document unless stated otherwise.

Symbol	Description
	Precedes the document title in a link that refers to another document.

Naming conventions

dSPACE user documentation uses the following naming conventions:

%name% Names enclosed in percent signs refer to environment variables for file and path names.

< > Angle brackets contain wildcard characters or placeholders for variable file and path names, etc.

Special folders

Some software products use the following special folders:

Common Program Data folder A standard folder for application-specific configuration data that is used by all users.

%PROGRAMDATA%\dSPACE\<InstallationGUID>\<ProductName>

or

%PROGRAMDATA%\dSPACE\<ProductName>\<VersionNumber>

Documents folder A standard folder for user-specific documents.

%USERPROFILE%\Documents\dSPACE\<ProductName>\<VersionNumber>

Local Program Data folder A standard folder for application-specific configuration data that is used by the current, non-roaming user.

%USERPROFILE%\AppData\Local\dSPACE\<InstallationGUID>\<ProductName>

Accessing dSPACE Help and PDF Files


After you install and decrypt dSPACE software, the documentation for the installed products is available in dSPACE Help and as PDF files.

dSPACE Help (local) You can open your local installation of dSPACE Help:

- On its home page via Windows Start Menu
- On specific content using context-sensitive help via **F1**

dSPACE Help (Web) You can access the Web version of dSPACE Help at www.dspace.com/go/help.

To access the Web version, you must have a *mydSPACE* account.

PDF files You can access PDF files via the  icon in dSPACE Help. The PDF opens on the first page.

Safety Precautions

General Warnings on Using dSPACE Products

Using ConfigurationDesk for RapidPro

Using dSPACE software can be dangerous. You must observe the following safety instructions and the relevant instructions in the user documentation.

WARNING

Improper or negligent use can result in serious personal injury and/or property damage.

Using the ConfigurationDesk for RapidPro software can have a direct effect on dSPACE systems and technical (electrical, hydraulic, mechanical) systems connected to them.

- **Only persons who are qualified to use dSPACE software, and who have been informed of the above dangers and possible consequences, are permitted to use it.**
- All applications where malfunctions or misoperation involve the danger of injury or death must be examined for potential hazards by the user, who must if necessary take additional measures for protection (for example, an emergency off switch).

Liability

It is your responsibility to adhere to instructions and warnings. Any unskilled operation or other improper use of this product in violation of the respective safety instructions, warnings, or other instructions contained in the user documentation constitutes contributory negligence, which may lead to a limitation of liability by dSPACE GmbH, its representatives, agents and regional dSPACE companies, to the point of total exclusion, as the case may be. Any exclusion or limitation of liability according to other applicable regulations, individual agreements, and applicable general terms and conditions remain unaffected.

Data loss during operating system shutdown

The shutdown procedure of Microsoft Windows operating systems causes some required processes to be aborted although they are still being used by dSPACE software. To avoid data loss, the dSPACE software must be terminated manually before a PC shutdown is performed.

Project and Application Management

Objective	ConfigurationDesk's project and application management enables you to structure your project tasks in ConfigurationDesk for RapidPro.
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Activate (Application)

Access

You can access this command via:

Ribbon	None
Context menu of	Project Manager – inactive application
Shortcut key	Enter
Icon	None

Purpose

To activate a ConfigurationDesk application.

Result

The selected application is activated and its latest file data is loaded.

If RapidPro hardware is connected to your PC, different scenarios can occur regarding the state of your application. For details, refer to [Assigning Connected RapidPro Hardware to Applications \(ConfigurationDesk for RapidPro - Guide !\[\]\(8bba887393ca45b761e5cb49e755e762_img.jpg\)](#)).

Description

Only one application can be active at a time within a ConfigurationDesk project. All the other applications are inactive. To work with an application, it must be active.

Add Folder

Access

You can access this command via:

Ribbon	None
Context menu of	<ul style="list-style-type: none"> ▪ Project Manager – project ▪ Project Manager – active application
Shortcut key	None
Icon	None

Purpose

To add a folder to the selected project or application.

Description

ConfigurationDesk opens the **Create New Folder** dialog.

Create New Folder dialog

Name of the new folder Lets you enter a name for the new folder.


Location of the new folder Lets you specify where the new folder is stored.

OK Creates the new folder and opens the **Configure Folder Settings** dialog which lets you specify project-specific folder settings. Refer to [Configure Folders / Configure \(Folder\)](#) on page 15.

Backup Project

Access

This command is available only if a project is open. You can access it via:

Ribbon	File – Save As
Context menu of	Project Manager – project
Shortcut key	None
Icon	

Purpose

To save the loaded project and all applications in a ZIP archive.

Result

Opens a standard **Save As** dialog that lets you provide the name and location for the ZIP archive.

Description

ZIP archives contain only files that are stored within the project tree. The files are archived with relative paths. They can thus be extracted anywhere.

To load a project from backup, you can use the **Open Project and Application** from **Backup** command.

Note

Folders and their contents (documents and further subfolders) are included in a ZIP archive only if they are displayed in the **Project Manager**. To include subfolders, you have to enable the **Show subfolders** option in the **Configure Folder Settings** dialog. To include documents, you have to specify a comma-separated list with file name extensions in the **Documents to be shown** in this folder edit field. Refer to [Configure Folders / Configure \(Folder\)](#) on page 15.

Related topics

References

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Close Project / Close

Access

You can access this command via:

Ribbon	File
Context menu of	Project Manager – project
Shortcut key	None
Icon	None

Purpose

To close the currently loaded project and all applications belonging to it.

Description

If the current project was changed since the last save operation, you are asked whether you want to save it.

Configure Folders / Configure (Folder)

Access

You can access this command via:

Ribbon	None
Context menu of	<ul style="list-style-type: none">Project Manager – projectProject Manager – folder belonging to projectProject Manager – user-defined folder belonging to an active application
Shortcut key	None
Icon	None

Purpose

To configure project-specific folder settings, for example, which folders and which documents to display in each folder in the Project Manager.

Result	Opens the Configure Folder Settings dialog.
Description	The Configure Folder Settings dialog enables you to specify settings for a specific folder in the current project.
Configure Folder Settings dialog	<p>Lets you specify project-specific folder settings.</p> <p>A tree with the folders of the project or application is displayed on the left side. The selected folder is highlighted. You can change the selection in the tree.</p> <p>Folders listed belong to The project or application name.</p> <p>Documents to be shown in this folder Lets you specify a comma-separated list with file name extensions, for example: .docx,.txt,.pdf. Only documents with one of the specified extensions are displayed in the Project Manager, others are hidden.</p> <p>Show sub folders Lets you specify whether subfolders and their contents (documents and further subfolders) of a specific folder are shown in the Project Manager. The documents to be shown in a subfolder are taken from the parent folder where you enable the Show sub folders option.</p> <div> <p>Note</p> <p>Folders and the files they contain are included in a project backup (via ConfigurationDesk's Backup Project on page 14 command) only if the folders are displayed and the files are shown in the Project Manager.</p> </div>

Create Shortcut

Access	<p>You can access this command via:</p> <table> <tr> <td>Ribbon</td><td>None</td></tr> <tr> <td>Context menu of</td><td>Project Manager – application</td></tr> <tr> <td>Shortcut key</td><td>None</td></tr> <tr> <td>Icon</td><td>None</td></tr> </table>	Ribbon	None	Context menu of	Project Manager – application	Shortcut key	None	Icon	None
Ribbon	None								
Context menu of	Project Manager – application								
Shortcut key	None								
Icon	None								
Purpose	To create a desktop shortcut to a ConfigurationDesk application.								
Result	A shortcut to the application is created on your desktop.								

Description

You can create a desktop shortcut for each ConfigurationDesk application. This allows you to open ConfigurationDesk and quickly load a specific application.

Explore Folder

Access

You can access this command via:

Ribbon	None
Context menu of	Project Manager – items
Shortcut key	None
Icon	None

Purpose

To open the folder of the selected item in the File Explorer.


Result

An Explorer Window opens showing the folder of the selected item.

Export (Application) / Export Application

Access

This command is only available if a ConfigurationDesk project containing an application is currently open. You can access the command via:

Ribbon	File – Save As
Context menu of	Project Manager – active application
Shortcut key	None
Icon	

Purpose

To export a ConfigurationDesk application as a dSPACE archive.

Result


ConfigurationDesk opens a standard Save As dialog to save the selected application and all the files belonging to it as one unit in a dSPACE archive. The archive has the file name extension DSA.

Related topics**References**[Import Application..... 18](#)

Import Application

Access

The command is only available if a ConfigurationDesk project is currently open. You can access the command via:

Ribbon	File – Open
Context menu of	Project Manager – project
Shortcut key	None
Icon	

Purpose

To import a ConfigurationDesk application saved as a dSPACE archive.

Result


A standard **Open** dialog is displayed to import the selected ConfigurationDesk application. It is extracted below the selected project path. The imported files are added to the project.


Related topics**References**[Export \(Application\) / Export Application..... 17](#)

Manage Projects




Access

You can access this command via:

Ribbon	File – Open
Context menu of	None
Shortcut key	None
Icon	

Purpose	To manage projects.
Result	Opens the Manage Projects dialog for you to manage existing projects.
Manage Projects dialog	<p>To select a project to be managed.</p> <p>Root directory Lets you select the project root folder.</p> <div data-bbox="568 611 1291 716">  Opens a Browse for Folder dialog to select a project folder. The selected folder is added to the list of root folders if necessary. </div> <p>Projects Lets you browse in the list of projects available in the selected project root folder.</p> <p>You can only manage projects that are closed.</p> <p>Delete Lets you remove the currently selected project from the file system, including all files in the project folders. You have to click Yes in the confirmation prompt before the project is removed.</p> <p>Manage Opens the Project Page of the ConfigurationDesk Options dialog, where you can add or remove root folders. For more information, refer to General Properties - Project Page on page 86.</p> <p>Close Lets you close the dialog.</p>

New Project + Application / New Application / Add Application

Access	<p>You can access this command via:</p> <table border="1"> <tr> <td>Ribbon</td><td>File – New</td></tr> <tr> <td>Context menu of</td><td> <ul style="list-style-type: none"> Project Manager – project Project Manager (if no project is currently open) </td></tr> <tr> <td>Shortcut key</td><td>Ctrl+Shift+N</td></tr> <tr> <td>Icon</td><td></td></tr> </table>	Ribbon	File – New	Context menu of	<ul style="list-style-type: none"> Project Manager – project Project Manager (if no project is currently open) 	Shortcut key	Ctrl+Shift+N	Icon	
Ribbon	File – New								
Context menu of	<ul style="list-style-type: none"> Project Manager – project Project Manager (if no project is currently open) 								
Shortcut key	Ctrl+Shift+N								
Icon									
Purpose	To define a new project or a new application.								

Result

The Project Wizard opens (refer to [Project Wizard](#) on page 24).

The Project Wizard starts at a different dialog depending on whether a project is open and whether database project storage is enabled:

No project is currently open ConfigurationDesk for RapidPro opens the [Define a Project dialog](#) on page 25. You have to define a new project or open an existing one before you can define a new application.

A project is currently open ConfigurationDesk for RapidPro opens the [Define an Application dialog](#) on page 26. This lets you define a new application within the open project.

Related topics**References**

[Project Wizard](#)..... 24

Open (Backstage View)

Access

You can access this ribbon group via:

Ribbon	File
Context menu of	None
Shortcut key	None
Icon	None

Purpose

To provide access to commands that allow you, for example, to open a project.

Description

You have access to the following commands:

- [Open Project/Open Project and Application](#) on page 21
- [Open Project and Application from Backup](#) on page 22
- [Import Application](#) on page 18
- [Manage Projects](#) on page 18

Open (External Document)

Access

You can access this command via:

Ribbon	None
Context menu of	Project Manager – external documents
Shortcut key	Enter
Icon	None

Purpose

To open an external document in the associated application.


Description

External documents are, for example, PDF or XLSX files. This command opens the selected document in the corresponding program, for example, in Adobe Acrobat Reader™ or Microsoft Excel™.

Open Project/Open Project and Application

Access

You can access this command via:

Ribbon	File – Open
Context menu of	Project Manager (if no project is currently open)
Shortcut key	Ctrl+Shift+O
Icon	
Others	Start Page

Purpose

To open a project.




Result

Opens the Select a Project dialog that allows you to select an existing project to open.




Tip

The eight projects opened last are available from File – Recently Used.

If RapidPro hardware is connected to your PC, different scenarios can occur regarding the state of your application. For details, refer to [Assigning Connected RapidPro Hardware to Applications \(ConfigurationDesk for RapidPro - Guide !\[\]\(179f167ede0522ebb4ea025b3ad78ca7_img.jpg\)](#)).

Description	If another project is already open, it is closed. Then the project you selected is opened.		
Select a Project dialog	<p>To select a project to be opened.</p> <p>Root directory Lets you select the project root directory.</p> <table><tr><td></td><td>Opens a Browse for Folder dialog to select a project folder. The selected folder is added to the list of root folders if necessary.</td></tr></table> <p>Projects Lets you browse in the list of projects available in the selected project root folder.</p> <p>Delete Lets you remove the currently selected project from the file system including all files in the project folders. You have to click Yes in the confirmation prompt before the project is removed.</p> <p>Manage Opens the Project page of the ConfigurationDesk for RapidPro Properties dialog where you can add or remove root directories. For more information refer to General Properties - Project Page on page 86.</p> <p>OK Opens the selected project.</p> <p>Cancel Closes the Select a Project dialog.</p>		Opens a Browse for Folder dialog to select a project folder. The selected folder is added to the list of root folders if necessary.
	Opens a Browse for Folder dialog to select a project folder. The selected folder is added to the list of root folders if necessary.		
Related topics	<p>References</p> <table><tr><td>Recently Used.....</td><td>27</td></tr></table>	Recently Used.....	27
Recently Used.....	27		

Open Project and Application from Backup

Access	<p>You can access this command via:</p> <table><tr><td>Ribbon</td><td>File – Open</td></tr><tr><td>Context menu of</td><td>Project Manager (if no project is currently open)</td></tr><tr><td>Shortcut key</td><td>None</td></tr><tr><td>Icon</td><td></td></tr></table>	Ribbon	File – Open	Context menu of	Project Manager (if no project is currently open)	Shortcut key	None	Icon	
Ribbon	File – Open								
Context menu of	Project Manager (if no project is currently open)								
Shortcut key	None								
Icon									
Purpose	To open a project and application(s) from a backup file.								

Result

Opens a dialog that lets you load a project and application(s) from a backup file.

If RapidPro hardware is connected to your PC, different scenarios can occur regarding the state of your application. For details, refer to [Assigning Connected RapidPro Hardware to Applications \(ConfigurationDesk for RapidPro - Guide !\[\]\(feabb98897b440bc8695a03336a6e2df_img.jpg\)](#)).

Open dialog

Look in Lets you specify the directory containing the backup file to be opened.

File name Lets you specify the name of the backup file.

Files of type Lets you specify the file type of the backup file.

The project will be extracted to this root directory Lets you specify the root folder to which the project and application(s) are extracted. The project will be loaded from this root folder.

Overwrite existing external files Allows ConfigurationDesk to overwrite files outside the project without a confirmation prompt.

Note

If there are references to files outside the project, ConfigurationDesk always asks you to confirm overwriting, even if Overwrite existing files is activated. This prevents you from unintentionally overwriting a newer version of a file with an older one and from overwriting files that may be used in other projects.


Related topics**Basics**

[Assigning Connected RapidPro Hardware to Applications \(ConfigurationDesk for RapidPro - Guide !\[\]\(274fd520e03b61c1b9ffc861754cacdc_img.jpg\)](#))

Project Manager

Access

The Project Manager is one of ConfigurationDesk's controlbars. You can display it via:

Ribbon	View – Controlbar – Switch Controlbars – Project
Context menu of	None
Shortcut key	Ctrl+Alt+2
Icon	

Purpose







To display the **Project Manager** that lets you manage a project and the applications it contains.

Description

The **Project Manager** provides access to a **ConfigurationDesk** project and all the items – folders and files – belonging to it. It displays all items of the project hierarchically.

Management of a ConfigurationDesk project Within the **Project Manager**, you can manage the items belonging to the currently open project. Depending on the selected item, the **Project Manager** provides a context menu, which allows you to carry out tasks such as removing items from a project.

Item type and status The **Project Manager** displays each item together with a symbol giving information on the item type and status:

Symbol	Meaning
Project	
	Project (only one project can be loaded at a time)
	Folder with files belonging to the project
Applications	
	Active (bold text) and inactive applications
	Folder with files belonging to the project or application
Hardware Data	
	Hardware topology
	Configuration

Item Info field Depending on the item selected in the **Project Manager**, information such as the item's author or date is displayed under the **Project Manager**. For some items you can add or edit information in the Item Info field.

Project Wizard

Purpose

To define a new project or application and to add a hardware topology and a configuration to an application.

Access

ConfigurationDesk's Project Wizard consists of a sequence of 4 dialogs. You can access the wizard by one of the following commands:

- [New Project + Application / New Application / Add Application](#) on page 19 (depending on whether a project is currently open)
- [New Hardware Topology](#) on page 37

Description

You are shown only the wizard dialogs relevant to the command that you selected. The following illustration shows the commands, and the relevant dialogs in the order in which they appear.

Commands	Wizard Dialogs
New Project + Application	Define a Project
New Application	Define an Application
New Hardware Topology	Add Hardware Topology
New Configuration	Add Configuration

For details on the dialogs, refer to:

- [Define a Project dialog](#) on page 25
- [Define an Application dialog](#) on page 26
- [Add Hardware Topology dialog](#) on page 26
- [Add Configuration dialog](#) on page 27

Define a Project dialog

To define a new ConfigurationDesk project.

Name of the project Enter the desired project name in the edit field. The name you enter must not contain a dot or whitespace as the first or last character. By default, the project is named 'Project_nnn', where 'nnn' stands for a number that will be increased if the name already exists as a file name in the project root directory.

Root directory Select a project root directory.



Opens the Project page of the ConfigurationDesk for RapidPro Properties dialog. You can specify further project root directories on this page.

Next > Opens the next dialog. This button is disabled as long as the Name of the project edit field is empty or invalid.

Finish Lets you finish project creation without having to define an application. This button is disabled as long as the Name of the project edit field is empty or invalid.

Cancel Closes the dialog without saving any of your settings.

Define an Application dialog

To define a new application within the current project.

Name of the application Enter the desired application name. The name you enter must not contain a dot or whitespace as the first or last character. By default, the application is named 'Application_nnn', where 'nnn' stands for a number that will be increased if the name already exists as file name in the directory of the project.

Applications already contained in the project If your project already contains applications, they are displayed here (no changes possible).

<Back Opens the previous dialog. This button is disabled if a project is currently loaded.

Next> Opens the next dialog. This button is disabled as long as the Name of the application edit field is empty or invalid.

Finish Lets you finish application creation without having to add a hardware topology and configuration to the application. This button is disabled as long as the Name of the application edit field is empty or invalid.

Cancel Closes the dialog without generating a project and an application and without saving any of your settings.

Add Hardware Topology dialog

To specify how the new hardware topology is added to your application.

Hardware topology label Lets you enter a name that represents the hardware topology in ConfigurationDesk. The default name is Hardware Topology. It is displayed in the **Project Manager**.

Scan connected hardware Lets you specify that ConfigurationDesk automatically scans the connected and detected RapidPro hardware and uses its topology and serial number information. Available RapidPro systems are displayed as follows:

- The name of each detected RapidPro system appears in a list together with its TopologyID and serial number.
- Detected hardware with outdated firmware is displayed with its hardware-specific symbol together with a black exclamation mark. If a system has outdated firmware, its functionality is restricted.
- If you add or remove hardware components while the dialog is open, the list of the connected hardware is updated accordingly.

This option button is automatically selected, if connected RapidPro hardware is detected when you open the dialog. If no RapidPro hardware is detected, the option button is inactive.

Import hardware topology from file (*.htf) Lets you specify that ConfigurationDesk imports topology information from a hardware topology file on your host PC. You select the hardware topology file via the Browse button. Normally the hardware topology file was created for the same system using ConfigurationDesk beforehand. However, it is also possible to import a hardware topology file that was created from another system if the other system is identical to the current one.

Add Configuration dialog

Configuration label Lets you enter a name that represents the configuration in ConfigurationDesk. The default name is Configuration. It is displayed in the Project Manager.

Use default configuration settings Lets you specify that the configuration is based on default configuration settings.

Use settings from connected hardware Lets you specify that the configuration is based on the parameter settings of a connected RapidPro system. This option button is disabled if you did not select Scan connected hardware on the previous page of the Project Wizard or if there is no RapidPro system associated with the active application. If the active application is not connected to a RapidPro system. If you remove the connected hardware while this dialog is open, this option button is automatically disabled.

Import configuration settings from file (*.cds) Lets you specify that the hardware configuration is based on a hardware configuration file on your host PC, which you can select via the Browse button.

Recently Used

Access

You can access this command via:

Ribbon	File – Recently Used
Context menu of	None
Shortcut key	None
Icon	None

Purpose

To open one of the most recent projects that were open in ConfigurationDesk.

Description

If another project is already open, it is closed. Then the project you selected is opened and the last active application in this project is activated.

Refresh (Project)

Access

You can access this command via:

Ribbon	None
Context menu of	Project Manager – project
Shortcut key	None
Icon	None

Purpose

To renew only the folder structure of a project (with the exception of application folder structures) shown in the **Project Manager**.

Result

The folder structure and included files of a project are re-read and the view of the structure shown in the **Project Manager** is refreshed. Newly added documents are shown.

Remove (from Project)

Access

You can access this command via:

Ribbon	None
Context menu of	<ul style="list-style-type: none">▪ Project Manager – various items of a project, i.e. folders or inactive applications▪ Project Manager – items of the active application (but not the active application itself)
Shortcut key	Delete
Icon	None

Purpose

To remove an item from the currently loaded project.

Description

The item is removed irretrievably from the project.

Tip

You cannot remove a whole project this way. You can delete a whole project via the context menu of the **Select a Project** dialog when you open a project.

Rename (Project / Application)

Access

You can access this command via:

Ribbon	None
Context menu of	<ul style="list-style-type: none"> Project Manager – project Project Manager – application
Shortcut key	F2
Icon	None

Purpose

To rename the selected project or application.

Description

If you select a project or an active application, ConfigurationDesk closes it, before it is renamed. Afterwards, it is reloaded.

Result

The Rename Project / Application dialog opens that lets you rename the selected project or application. The name you enter must not contain a dot or whitespace as the first or last character.

Rename Project / Application dialog

To specify another name for the selected project or application.

Enter a new name for Lets you enter another project or application name. The application name must be unique for each project and must not cause conflicts with existing folders.

Save As (Backstage View)

Access

You can access this ribbon group via:

Ribbon	File
Context menu of	None
Shortcut key	None
Icon	None

Purpose

To provide access to commands that allow you, for example, to save a project under a new name.

Description

You have access to the following commands:

- [Export \(Application\) / Export Application](#) on page 17
- [Save As \(Application\)](#) on page 30
- [Save Project / Save](#) on page 30

Save As (Application)

Access

You can access this command via:

Ribbon	None
Context menu of	Project Manager – application
Shortcut key	None
Toolbar icon	None

Purpose

To save the selected application under a new name.

Result

A Save Application As dialog opens that lets you save the selected application under a new name. The application name must be unique for each project.

Save Application As dialog


To specify another name for the selected application.

Enter a new name for Lets you enter another application name. The application name must be unique within a project and must not cause conflicts with existing folders. The name you enter must not contain a dot or whitespace as the first or last character.

Save Project / Save

Access

This command is available only if a project is open. You can access it via:

Ribbon	File
Context menu of	<ul style="list-style-type: none">▪ Project Manager – project▪ Project Manager – active application
Shortcut key	Ctrl+Shift+S
Icon	

Purpose

To save the loaded project and/or the active ConfigurationDesk application.

Hardware Management

Objective ConfigurationDesk for RapidPro lets you efficiently manage hardware systems. The hardware topology file and the configuration file are used for this.

Where to go from here

Information in this section

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To stop the module setup mode.	

Collapse (Hardware)

Access

You can access the command via:

Ribbon	None
Context menu of	<ul style="list-style-type: none">▪ Hardware Resource Browser – Hardware component with subcomponents▪ Platform Manager – Hardware component with subcomponents
Shortcut key	None
Icon	None

Purpose

To collapse the subcomponents of the selected hardware component in the Hardware Resource Browser or the Platform Manager.

Result

The subcomponents of the selected hardware component are hidden in the Hardware Resource Browser or the Platform Manager.

Description

The Hardware Resource Browser or the Platform Manager displays all the hardware components of the connected hardware. If the hardware consists of many components, it may be useful to reduce complexity by hiding subcomponents.

Related topics

Basics

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--	--------------------

Expand (Hardware)

Access

You can access the command via:

Ribbon	None
Context menu of	<ul style="list-style-type: none">▪ Hardware Resource Browser – Hardware component with subcomponents▪ Platform Manager – Hardware component with subcomponents
Shortcut key	None
Icon	None

Purpose

To expand the collapsed subcomponents of the selected hardware component in the **Hardware Resource Browser** or the **Platform Manager**.

Result

The hidden subcomponents of the selected hardware component are now displayed in the **Hardware Resource Browser** or the **Platform Manager**.

Description

If you want to view collapsed subcomponents, you can expand them.

Related topics

Basics

Collapse (Hardware).....	34
--	--------------------

Hardware Resource Browser

Access

The **Hardware Resource Browser** is one of ConfigurationDesk's controlbars. You can display it via:

Ribbon	View – Switch Controlbars
Context menu of	None
Shortcut key	Ctrl+Alt+9
Icon	None

Purpose










To display the hardware components of the hardware topology that is contained in your active application.




Description

The **Hardware Resource Browser** displays all the hardware components of the hardware topology that is contained in your active application in a hierarchical tree structure. Each hardware component provides a context menu that offers you a component-specific properties dialog. This dialog allows you to view hardware details and to configure settings.

Symbols

Hardware components of the RapidPro system whose topology is stored in your active application are displayed in the **Hardware Resource Browser** with one of the following icons:

Symbol	Description
	Indicates a RapidPro system.
	Indicates a RapidPro stack or a single unit, i.e., a unit which is used as one physical unit.
	Indicates a unit. The name of the unit is displayed next to the icon.
	Indicates COM (communication) modules or TRX (bus transceiver) modules.
	Indicates the microcontroller module on the Control Unit.
	Indicates an SC (signal conditioning) module.
	Indicates a PS (power stage) module.
	Indicates a container which contains missing modules, i.e., modules that do not exist in the hardware topology of your active application. For details on missing hardware, refer to Basics on Missing Hardware (ConfigurationDesk for RapidPro - Guide ).

Symbol	Description
	Indicates a missing module. For details on missing hardware, refer to Basics on Missing Hardware (ConfigurationDesk for RapidPro - Guide ).
	Indicates a missing software plug-in for a module. The plug-in is required by the module. Without it, the function of the module is limited.

Related topics

Basics

[Display of Hardware Components in the Configuration Manager \(ConfigurationDesk for RapidPro - Guide !\[\]\(e2376d476d06eb31946dc01a69a4403a_img.jpg\)](#))

New Hardware Topology

Access

This command is available only if you have not carried out all the steps of the Project Wizard (see [Project Wizard](#) on page 24) or if you have removed the hardware topology from an existing application. You can access the command via:

Ribbon	None
Context menu of	Project Manager – application
Shortcut key	None
Icon	None

Purpose

To add a new hardware topology to the active application.

Result

If the active application already contains a configuration, adding a new hardware topology can have different consequences:

- If the configuration contains modules with selected channels and if these modules are not contained in the new hardware topology, they are displayed as missing hardware in the Hardware Resource Browser. For details on missing hardware, refer to [Basics on Missing Hardware \(ConfigurationDesk for RapidPro - Guide !\[\]\(11a0966cbb90b5c1d6ebfc666ec75f78_img.jpg\)](#)).
- Modules and their corresponding channels are not displayed as missing hardware if they are contained in the active configuration and if the installation (layer, slot, type) is identical in the source hardware topology and the new one.

Description	ConfigurationDesk for RapidPro opens an Add Hardware Topology dialog.
Add Hardware Topology dialog	<p>To specify how the new hardware topology is added to your application.</p> <p>Hardware topology label Lets you enter a name that represents the hardware topology in ConfigurationDesk for RapidPro. The default name is Hardware Topology. It is displayed in the Project Manager.</p> <p>Scan connected hardware Lets you specify that ConfigurationDesk for RapidPro automatically scans the connected and detected RapidPro hardware and uses its topology and serial number information. Available RapidPro systems are displayed as follows:</p> <ul style="list-style-type: none">▪ The name of each detected RapidPro system appears in a list together with its TopologyID and serial number.▪ Detected hardware with outdated firmware is displayed with its hardware-specific symbol together with a black exclamation mark. If a system has outdated firmware, its functionality is restricted.▪ If you add or remove hardware components while the dialog is open, the list of the connected hardware is updated accordingly. <p>This option button is automatically selected, if connected RapidPro hardware is detected when you open the dialog. If no RapidPro hardware is detected, the option button is inactive.</p> <p>Import hardware topology from file (*.htf) Lets you specify that ConfigurationDesk for RapidPro imports topology information from a hardware topology file on your host PC. You select the hardware topology file via the Browse button.</p> <p>Normally the hardware topology file was created for the same system using ConfigurationDesk for RapidPro beforehand. However, it is also possible to import a hardware topology file that was created from another system if the other system is identical to the current one.</p>

Related topics**Basics**

[Details on RapidPro Hardware Data \(ConfigurationDesk for RapidPro - Guide !\[\]\(d3fb9f94af8b26d1c844efa9a98805b0_img.jpg\)\)](#)

HowTos

[How to Load a RapidPro Hardware Topology \(ConfigurationDesk for RapidPro - Guide !\[\]\(5a132f13505a6571904d622757b7a8f0_img.jpg\)\)](#)

Platform Manager

Access

The Platform Manager is one of ConfigurationDesk's controlbars. You can display it via:

Ribbon	View – Switch Controlbars
Context menu of	None
Shortcut key	Ctrl+Alt+5
Icon	None

Purpose

To display the hardware components (stack, units, modules, channels) of all RapidPro systems connected to your host PC and accessible via ConfigurationDesk for RapidPro.

Description

The Platform Manager displays all the hardware components of connected RapidPro systems in a hierarchical structure. Each node in the tree displays the name of the hardware component it represents. The RapidPro system node also indicates the serial number of the corresponding hardware system. The unit and module nodes indicate the corresponding layer or slot position. If you select a hardware component in the Platform Manager, you can open a context menu with component-specific commands.

The Platform Manager allows you to:

- Handle diagnostic messages. Their status is visualized in the Platform Manager via diagnostic symbols.
- Monitor signal values (logical states and voltages) of specific channels and system values (for example, temperatures).
- Edit parameters of the user-configurable circuits which some RapidPro modules provide on their board.













Firmware check
















All RapidPro systems contain firmware. ConfigurationDesk for RapidPro constantly checks the firmware status of connected hardware components. If outdated firmware is found, ConfigurationDesk behaves as follows:

- The functionality of outdated RapidPro systems is automatically restricted. Diagnostic features are, for example, not available or diagnostic messages are not displayed. To update your hardware, dSPACE provides a specific RapidPro Firmware Update Tool. For details, refer to [How to Update RapidPro Firmware \(RapidPro System Hardware Installation Guide !\[\]\(e84f4dc0518e2685b866048632d78d45_img.jpg\)](#)).
- The symbols of outdated hardware components are displayed with a black exclamation mark in the Platform Manager. For the available symbols, see below.













Symbols

The Platform Manager gives access to all the hardware components and subcomponents of connected hardware systems which can be accessed via ConfigurationDesk for RapidPro. It displays each component together with a symbol giving information on the component type, its mode and its firmware status.

Symbol	Meaning
Hardware Components	
	Indicates the host PC.
	Indicates the RapidPro system.
	Indicates a RapidPro stack or a single unit, i.e., a unit which is used as one physical unit.
	Indicates a unit. The name of the unit is displayed next to the icon.
	Indicates COM (communication) modules or TRX (bus transceiver) modules.
	Indicates the microcontroller module on the Control Unit.
	Indicates an SC (signal conditioning) module.
	Indicates a PS (power stage) module.
	Indicates a channel.
	Indicates primary and secondary PWR (power supply) modules.
	Indicates connectors (front/rear).
Modes	
	<p>Indicates a RapidPro system in idle mode:</p> <ul style="list-style-type: none"> ▪ If you use your SC or Power Unit as a single unit: A single RapidPro unit (SC/Power) has been switched to idle mode via its ENABLE pin (default setting). For details, refer to Connecting the Enable Input (RapidPro System Hardware Installation Guide). ▪ If you use your RapidPro system as an I/O subsystem: No application is being executed on your rapid control prototyping (RCP) system (like dSPACE's MicroAutoBox). <p>You can download data to the hardware and change software-configurable hardware parameters. System and signal monitoring are also possible. The display of diagnostic messages is not supported, however.</p>

Symbol	Meaning
 	<p>Indicates a RapidPro system in RAM or FLASH execution mode:</p> <ul style="list-style-type: none"> ▪ If you use your SC or Power Unit as a single unit: A single RapidPro unit (SC/Power) has been switched to execution mode via its ENABLE pin (default setting). For details, refer to Connecting the Enable Input (RapidPro System Hardware Installation Guide ). ▪ If you use your RapidPro system as an I/O subsystem: An application is being executed on your rapid control prototyping (RCP) system (like dSPACE's MicroAutoBox). <p>You cannot download data to the hardware or change software-configurable hardware parameters. System and signal monitoring is possible, however. The display of diagnostic messages is also supported. You can stop a real-time application in ConfigurationDesk for RapidPro by switching the RapidPro system to idle mode. For more information, refer to How to Switch from Execution Mode to Idle Mode (ConfigurationDesk for RapidPro - Guide ).</p>
	Indicates a module in shutdown mode, i.e., all module functions are disabled.
	Indicates that a channel or its related module is in shutdown mode.
Status	
  	Indicates a RapidPro system in RAM/ Flash execution mode or in idle mode with outdated firmware.
	Indicates a unit with outdated firmware.
	Indicates a PS module with outdated firmware.
	Indicates an SC module with outdated firmware.
	Indicates a PWR module with outdated firmware.
	Indicates the microcontroller unit on the Control Unit with outdated firmware.
	Indicates COM (communication) modules or TRX (bus transceiver) modules with outdated firmware.

Connected hardware components which provide diagnostic features are displayed in the Platform Manager with symbols giving information on their diagnostic status.

Symbol		Meaning
	Red	Diagnostic errors/warnings exist.
	Yellow	Acknowledged warning messages exist. ¹⁾
	Green	Diagnostic errors/warnings do not exist.
	Gray	Either the display of diagnostic warnings is disabled, or the module does not provide diagnostic warnings.
No LED		No diagnostic features available.
	Red arrow	Diagnostic messages exist at subcomponents.
	Black arrow	Acknowledged warning messages exist at subcomponents only. ¹⁾
	Red arrow, yellow LED	Acknowledged warning messages exist. Further diagnostic messages are available at subcomponents. ¹⁾
	Black arrow, yellow LED	Acknowledged warning messages exist and at least one acknowledged warning message is available at a subcomponent. ¹⁾
	Red arrow, red LED	Diagnostic messages exist at the hardware component and also at its subcomponents.
	Black arrow, red LED	Diagnostic messages exist at the hardware component. Acknowledged warning messages exist at subcomponents. ¹⁾
	Red arrow, green LED	Diagnostic messages are not available at the hardware component, but at subcomponents.
	Black arrow, green LED	Diagnostic messages are not available at the hardware component, but acknowledged warning messages exist at subnodes. ¹⁾

¹⁾ An acknowledged warning message indicates that a warning message is no longer present or has been fixed.

Note

Diagnostic errors are rated to be more important than acknowledged warning messages. Thus, the red LED and the red arrow symbols are both immediately displayed if only one diagnostic message exists. In these cases symbols for acknowledged warning messages are neglected. For more information on diagnostic features, refer to [Diagnostics Handling \(ConfigurationDesk for RapidPro - Guide !\[\]\(0f848bbd71cef6b345273b16f905912a_img.jpg\)](#)).

Tooltip messages

Tooltip messages in the Platform Manager also give information on the diagnostic status of hardware components providing diagnostic features. The following tooltip messages are available:

Tooltip Message	Meaning
Status: No Diagnosis available	Diagnostic features are not supported.
Status: OK	Diagnostic messages are activated, but there is none available.
Status: Triggered	Diagnostic warnings/ errors exist.
Status: Child Triggered	Diagnostic warnings/ errors exist at a subnode.
Status: Acknowledged	Acknowledged messages exist.
Status: Child Acknowledged	Acknowledged messages exist at a subnode.
Status: Shutdown	The hardware associated with the node is in shutdown mode.
Status: Child in shutdown	Hardware associated with a subnode is in shutdown mode.

The Platform Manager also provides tooltip messages on outdated firmware:

Tooltip Message	Meaning
Warning: Firmware out-of-date.	Firmware is not up-to-date.

Platform Preferences

Access

You can access the command via:


Ribbon	Home – Show
Context menu of	Project Manager – RapidPro Stack
Shortcut key	None
Icon	None

Purpose

To enable user-configurable circuit parameters to be changed in the Platform Manager.

Result

In the Platform Manager, user-configurable circuit parameters can now be changed via the properties dialogs of some SC and PS channels.

Description	ConfigurationDesk for RapidPro opens the Platform Preferences dialog.
Platform Preferences dialog	<p>Selected Platform To select a RapidPro system from the drop-down list which contains all the RapidPro systems connected to your host PC. This option is available only if the dialog is evoked via the Home ribbon.</p> <p>Lock I/O Circuit Parameters To lock or unlock parameter changing in the user-configurable circuits that are available for some SC and PS channels.</p>
Related topics	<p>HowTos</p> <p>How to Change Parameters of User-Configurable Circuits (ConfigurationDesk for RapidPro - Guide )</p>

Remove (Hardware Topology/ Configuration)

Access This command is available only if you are not working in module setup mode. You can access it via:

Ribbon	None
Context menu of	<ul style="list-style-type: none"> ▪ Project Manager – Hardware topology ▪ Project Manager – Configuration
Shortcut key	None
Icon	None

Purpose To remove either the hardware topology or the configuration from the active application.

Result The results depends on the item you remove:

- If you remove a hardware topology, it is deleted from the active application and no longer displayed in the **Project Manager**. If no channel was selected during the removal, the **Hardware Resource Browser** is cleared. If one or more channels were selected during the removal, the associated modules remain in the **Hardware Resource Browser**, but displayed in red under a node called **Missing hardware**. For details on missing modules, refer to [Basics on Missing Hardware \(ConfigurationDesk for RapidPro - Guide !\[\]\(c694a3ff3b077d76910920a6a1593ab4_img.jpg\)\)](#).
- If you remove a configuration, it is deleted from the active application and no longer displayed in the **Project Manager**. The **Channel List** is immediately closed.

Related topics

Basics

[Details on RapidPro Hardware Data \(ConfigurationDesk for RapidPro - Guide !\[\]\(bd1a142de767a21e5362c595f844a4ff_img.jpg\)](#))

References

Open (Configuration).....	63
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Remove Module

Access

The command is available only if your active application contains at least one missing module, i.e., a module which does not exist in your current hardware topology. You can access it via:

Ribbon	None
Context menu of	Hardware Resource Browser – Missing module
Shortcut key	None
Icon	None

Purpose

To remove a missing module from the active application.

Result

The missing module is removed from the active application and from the Hardware Resource Browser.

Description


It may happen that a module is not contained in the hardware topology of your active application. For example, this is the case if you have changed the hardware topology of the connected RapidPro system on which your active application is based. If at least one channel of this missing module was selected in the Channel List beforehand, the Hardware Resource Browser displays this module in red under a node called Missing hardware. For details on missing hardware, refer to [Basics on Missing Hardware \(ConfigurationDesk for RapidPro - Guide !\[\]\(41aea2746216b27a6939d696d8e035da_img.jpg\)](#)).

Related topics

References

Hardware Resource Browser.....	36
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Rename (Hardware Topology/ Configuration)

Access	<p>You can access the command via:</p> <table><tr><td>Ribbon</td><td>None</td></tr><tr><td>Context menu of</td><td><ul style="list-style-type: none">Project Manager – Hardware topologyProject Manager – Configuration</td></tr><tr><td>Shortcut key</td><td>None</td></tr><tr><td>Icon</td><td>None</td></tr></table>	Ribbon	None	Context menu of	<ul style="list-style-type: none">Project Manager – Hardware topologyProject Manager – Configuration	Shortcut key	None	Icon	None
Ribbon	None								
Context menu of	<ul style="list-style-type: none">Project Manager – Hardware topologyProject Manager – Configuration								
Shortcut key	None								
Icon	None								
Purpose	To rename either the selected hardware topology or the selected configuration.								
Result	A Rename dialog opens for you to rename the selected item.								
Description	If you enter a new name for the hardware topology or the configuration, the name of the corresponding node in the Project Manager is changed accordingly. The name of the actual file (HTF or CDS) is not changed. If you want to save an HTF or a CDS file under a name other than the default one, you must use the Export command.								
Rename dialog	Enter a name for Hardware Topology/ Configuration Lets you enter a new name for the selected hardware topology or the configuration.								
Related topics	<p>Basics</p> <div>Details on RapidPro Hardware Data (ConfigurationDesk for RapidPro - Guide )</div> <p>References</p> <div>Save As (Hardware Topology/ Configuration)..... 47</div>								

Replace (Hardware Topology/ Configuration)

Access

You can access this command via:

Ribbon	None
Context menu of	<ul style="list-style-type: none"> ▪ Project Manager – Hardware topology ▪ Project Manager – Configuration
Shortcut key	None
Icon	None

Purpose

To replace the selected item with a new one.

Result

The selected item is replaced with a new one.

Description

Depending on the item you select in the **Project Manager**, an item-specific dialog opens. For details on the different dialogs, refer to

- [Add Hardware Topology dialog](#) on page 26
- [Add Configuration dialog](#) on page 27

Save As (Hardware Topology/ Configuration)

Access

You can access the command via:

Ribbon	None
Context menu of	<ul style="list-style-type: none"> ▪ Project Manager – Hardware topology ▪ Project Manager – Configuration
Shortcut key	None
Icon	None

Purpose

To save the selected hardware topology or the selected configuration to a different location with a new name.


Result

A standard **Save As** dialog opens for you to export the selected hardware topology (HTF file) or the selected configuration (CDS file) with a new name.

Description	Saving a hardware topology file or a configuration file does not affect the active application.
--------------------	---

Start Module Setup Mode

Access	This command is available only if an application is active and if its state is "Connected to RapidPro". You can access it via:
---------------	--

Ribbon	Home – Module Setup Mode – Start
Context menu of	None
Shortcut key	Ctrl+F7
Icon	

Purpose	To start the module setup mode.
----------------	---------------------------------

Result	ConfigurationDesk for RapidPro opens the Resynchronize Configuration dialog, which lets you upload or download configuration settings. After successful resynchronization, ConfigurationDesk for RapidPro is in module setup mode. This is displayed on a green background in the status bar.
---------------	---

Description	The module setup mode allows direct access to the connected hardware. If you change hardware parameters, the changes are saved on the hardware and take effect immediately provided your RapidPro system is in idle mode. If your system is in execution mode, changes to hardware parameters cannot be saved on the hardware.
--------------------	--

Stopping the module setup mode	<p>ConfigurationDesk for RapidPro automatically stops the module setup mode, if you perform one of the following actions:</p> <ul style="list-style-type: none">▪ You change the active application.▪ You rename the active application.▪ You create a new application in the currently open project.▪ You close the currently open project.▪ You rename the currently open project.▪ You save the currently open project under a new name.▪ You disconnect the USB connection to the hardware.
---------------------------------------	---

Resynchronize Configuration dialog

To resynchronize your hardware configuration.

Download hardware configuration to RapidPro System Lets you download the configuration settings of the configuration file of your active application to your connected RapidPro system. Downloading a configuration is possible only if you are working in idle mode.

Upload hardware configuration from RapidPro System Lets you upload the hardware configuration from your connected RapidPro system to your host PC.

Related topics

Basics

[Characteristics of Application States and Operating Modes \(ConfigurationDesk for RapidPro - Guide !\[\]\(bfe64b3b99d726c20cb41da66e0bcb5a_img.jpg\)\)](#)

HowTos

[How to Stop the Module Setup Mode \(ConfigurationDesk for RapidPro - Guide !\[\]\(15a01675795da3c0924461c44b8bf202_img.jpg\)\)](#)


References

[Stop Module Setup Mode..... 49](#)

Stop Module Setup Mode

Access

This command is available only if you are working in module setup mode. You can access it via:

Ribbon	Home – Module Setup Mode – Stop
Context menu of	None
Shortcut key	Ctrl+F8
Icon	

Purpose

To stop the module setup mode.

Result

ConfigurationDesk for RapidPro stops the module setup mode. Direct access to the connected hardware is no longer possible. If you now change configuration settings, the changes can only be saved in your configuration. They are not downloaded to the connected hardware.

The status bar changes. It no longer indicates that the active application is in module setup mode.

Related topics

Basics

[Characteristics of Application States and Operating Modes \(ConfigurationDesk for RapidPro - Guide !\[\]\(0f848bbd71cef6b345273b16f905912a_img.jpg\)\)](#)

HowTos

[How to Start the Module Setup Mode \(ConfigurationDesk for RapidPro - Guide !\[\]\(a870788d6ed9b8fd294b7654a8c8526b_img.jpg\)\)](#)
[How to Stop the Module Setup Mode \(ConfigurationDesk for RapidPro - Guide !\[\]\(18065afa4ef6662bca9f3f6088f7de30_img.jpg\)\)](#)

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Configuration Management

Objective

ConfigurationDesk for RapidPro allows efficient configuration of the RapidPro system hardware. It enables you to set hardware parameters quickly and according to individual requirements. Diagnostic information on the connected hardware such as overheat and short circuit information is constantly monitored and displayed.

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Channel List

Access

The Channel List is part of the Configuration Manager. It is available only if the active application contains a configuration file. You can display the Channel List via:

Ribbon	View – Show
Context menu of	<ul style="list-style-type: none"> ▪ Project Manager – Application (<i>Activate</i>). This command is available only if at least two applications exist. ▪ Project Manager – Configuration file (<i>Open</i>)
Shortcut key	None
Icon	None

Purpose

To display channels and their properties.

Description

The available channels of a RapidPro system are shown in a list consisting of several columns. Which channels are displayed depends on the selection made in the Hardware Resource Browser. The following columns are available:

Column Title	Description
S.	Indicates whether a channel is selected or not. By selecting certain channels and activating the Show Selected Channels Only command, the Channel List is filtered, that is, only the selected channels are shown. In a filtered Channel List, entries are displayed blue instead of black.
Channel Name	Displays the name of the channel, which you can rename.
Module, Function, Channel	Displays the module type, a description of the module function, and the channel number.
Slot	Displays the slot in which the module is inserted.
Layer	Displays the number of the layer. The layer indicates the position of the unit, as follows: <ul style="list-style-type: none"> ▪ In a stack with unit connection bus (UCB), the layer number is counted up from the bottom unit (layer number 1) to the top unit. ▪ In a single unit (or a stack without UCB), the layer number is always 1.
Unit	Displays the type of the unit.

The positions of the columns and their size (except for the Selected column) can be customized. You can sort each column alphabetically by clicking its header. These user-defined settings are saved automatically when:

- You close the project.
- You close the window of the system configuration object.

- You define a new application.
- You switch between two applications.
- You exit ConfigurationDesk for RapidPro.

Note

The settings are not stored when you save the project.

Selection in the Hardware Resource Browser

If no filter mechanism is active, the selection you make in the Hardware Resource Browser determines which channels are displayed in the Channel List:

Selection in the Hardware Resource Browser	Display in the Channel List
RapidPro stack	All channels of the RapidPro system.
Unit	All channels of the selected unit.
Module	All channels of the selected module.

Multiselection in the Channel List

You can multiselect several channels in the Channel List at once using the Shift key. This allows you, for example, to hide these channels without deselecting them individually when working with a filtered Channel List.

The channel where you start your multiselection determines the new status of all the other channels in your selection. If the first selected channel changes its status from deselected to selected, for example, all the other channels in your selection behave in the same way, regardless of whether they were selected beforehand or not.

Missing channels

It may happen that channels are not contained in the hardware topology of your active application. For example, this is the case if you have changed the hardware topology of the connected RapidPro system on which your active application is based. If at least one of these missing channels was selected beforehand in the Channel List, they still appear in the Channel List. They are always displayed in red, whether the Channel List is filtered or not.

Related topics

Basics

[Display of Hardware Components in the Configuration Manager \(ConfigurationDesk for RapidPro - Guide !\[\]\(feabb98897b440bc8695a03336a6e2df_img.jpg\)\)](#)

HowTos

[How to Hide Channels in the Channel List \(ConfigurationDesk for RapidPro - Guide !\[\]\(83f22ed94ec5517769dd76d702c6bfd8_img.jpg\)\)](#)
[How to Move Columns of the Channel List \(ConfigurationDesk for RapidPro - Guide !\[\]\(58518edde73d42d67a35a8ed26134c7b_img.jpg\)\)](#)

Close (Configuration)

Access

This command is available only if the active application contains a configuration and if the Channel List is open. You can access it via:

Ribbon	Home – Show – Channel List
Context menu of	Project Manager – Configuration
Shortcut key	None
Icon	None

Purpose

To close the Channel List.

Result

The Channel List is closed and information from the selected configuration file is no longer displayed.

Related topics

References

Open (Configuration)	63
--	----

Delete All

Access

This command is available only if you have selected a hardware component that provides diagnostic features. You can access it via:

Ribbon	None
Context menu of	Platform Manager – Hardware component (<i>Diagnostic – Diagnostic Warnings</i>)
Shortcut key	None
Icon	None

Purpose

To delete all the acknowledged warning messages of the selected hardware component and its subnodes at once.

Result

All the acknowledged warning messages for the selected hardware component and its subnodes are deleted. The corresponding LED changes from yellow to green in the Platform Manager. If the warning diagnostics are disabled the LED changes from yellow to gray.

Related topics

Basics

[Basics on Diagnostic Messages \(ConfigurationDesk for RapidPro - Guide !\[\]\(d8ab143e904bfa3467271eec5af75a9b_img.jpg\)](#))

Disable/Disable All

Access

This command is available only if ConfigurationDesk for RapidPro is not in module setup mode and if you have selected a hardware component that provides diagnostic features. You can access it via:

Ribbon	None
Context menu of	Platform Manager – Hardware component (<i>Diagnostic – Diagnostic Warnings</i>)
Shortcut key	None
Icon	None

Purpose

To disable the display of all the diagnostic warnings for the selected hardware component.

Result

Diagnostic warnings are no longer displayed for the selected hardware component. You are only informed about diagnostic errors. The corresponding LED is displayed in gray in the Platform Manager.

If the diagnostic warnings are disabled for a hardware component for which diagnostic warnings are available, the warnings are automatically acknowledged by the RapidPro system. The corresponding LED changes from red to yellow in the Platform Manager provided no further diagnostic errors exist.

Note

If the selected hardware component is a module, the warning diagnostics are disabled only for its corresponding channels, but not for the module itself. For modules diagnostic warnings cannot be disabled.

Description

Diagnostic warnings occur if a fault, such as open load, is detected.

Related topics

Basics

[Basics on Diagnostic Messages \(ConfigurationDesk for RapidPro - Guide !\[\]\(ef63942d53b5e7d39369db02db8c2dfc_img.jpg\)](#)

References

[Enable/Enable All 57](#)

Enable/Enable All

Access

This command is available only if ConfigurationDesk for RapidPro is not in module setup mode and if you have selected a hardware component that provides diagnostic features. You can access it via:

Ribbon	None
Context menu of	Platform Manager – Hardware component (Diagnostic – Diagnostic Warnings)
Shortcut key	None
Icon	None

Purpose

To enable the display of diagnostic warnings for the selected hardware component and its subnodes.

Result Diagnostic warnings are enabled. If there are diagnostic warnings for the selected node or its subnodes, the corresponding LED in the Platform Manager changes from gray to red.

Description Diagnostic warnings occur if a fault, such as open load, is detected.

Related topics

Basics

[Basics on Diagnostic Messages \(ConfigurationDesk for RapidPro - Guide !\[\]\(339a16584d5da0f0a3ca4e9ec17bf6a1_img.jpg\)\)](#)


References

[Disable/Disable All 56](#)

Home – Generate HWT File – Selected Channels Only

Access

This command is available only if your RapidPro system is used as an I/O subsystem of a rapid control prototyping (RCP) system and if an application containing a hardware topology and a configuration is active. You can access it via:

Ribbon	Home – Generate HWT File
Context menu of	None
Shortcut key	None
Icon	

Purpose To generate an HWT file for introducing RapidPro hardware to the RTI RapidPro Control Unit Blockset.

Result ConfigurationDesk for RapidPro opens a standard **Save As** dialog, which lets you save the hardware topology information of the connected hardware as an HWT file.

Description When generating an HWT file for RTI, you include selected channels only.


Related topics**HowTos**

[How to Generate Data Required by the RTI RapidPro Control Unit Blockset \(ConfigurationDesk for RapidPro - Guide !\[\]\(4729e517bc6a7cd81c8025b9646574fb_img.jpg\)\)](#)

Home – Generate HWT File – All Channels

Access

This command is available only if your RapidPro system is used as an I/O subsystem of a rapid control prototyping (RCP) system and if an application containing a hardware topology and a configuration is active. You can access it via:

Ribbon	Home – Generate HWT File
Context menu of	None
Shortcut key	None
Icon	

Purpose

To generate an HWT file for introducing RapidPro hardware to the RTI RapidPro Control Unit Blockset.

Result

ConfigurationDesk for RapidPro opens a standard **Save As** dialog, which lets you save the hardware topology information of the connected hardware as an HWT file.

Description

When generating an HWT file for RTI, you include all channels.


Related topics**HowTos**

[How to Generate Data Required by the RTI RapidPro Control Unit Blockset \(ConfigurationDesk for RapidPro - Guide !\[\]\(b64b40baaee5acddc1eab8538ba84754_img.jpg\)\)](#)

Generate Pinout – Selected Channels Only

Access

You can access this command via:

Ribbon	Home – Generate Pinout
Context menu of	None
Shortcut key	None
Icon	

Purpose

To generate a CVS file or an XLS file for selected channels only.

Result

An XLS file or CVS file is generated which contains information necessary for building a cable harness. For an example of a generated CSV file, refer to [Example of a CSV File \(ConfigurationDesk for RapidPro - Guide !\[\]\(05be7c7a8995decd503647c99211f7c2_img.jpg\)](#)).

Description

When you activate this command, ConfigurationDesk for RapidPro opens a standard **Save As** dialog, which lets you save the pinout information of the connected hardware. You can also save the pinout information as an XLS file (provided Microsoft Excel™ is installed on your PC) or as a CSV file. The default setting is **.xls**. When an XLS file is generated, ConfigurationDesk for RapidPro automatically creates a CSV file, too.

Related topics


HowTos



[How to Export Pinout Information \(ConfigurationDesk for RapidPro - Guide !\[\]\(626ce8ac21792b9405bfddfea8e0c96a_img.jpg\)](#))

Generate Pinout – All Channels

Access

You can access this command via:

Ribbon	Home – Generate Pinout – All Channels
Context menu of	None
Shortcut key	None
Icon	


Purpose	To generate a CVS file or an XLS file for all channels.
Result	An XLS file or CVS file is generated which contains information necessary for building a cable harness. For an example of a generated CSV file, refer to Example of a CSV File (ConfigurationDesk for RapidPro - Guide ).
Description	When you activate this command, ConfigurationDesk for RapidPro opens a standard Save As dialog, which lets you save the pinout information of the connected hardware. You can also save the pinout information as an XLS file (provided Microsoft Excel™ is installed on your PC) or as a CSV file. The default setting is .xls . When an XLS file is generated, ConfigurationDesk for RapidPro automatically creates a CSV file, too.
Related topics	<div>HowTos</div> <div> How to Export Pinout Information (ConfigurationDesk for RapidPro - Guide ) </div>

New Configuration

Access	<p>The command is available only if the current application does not yet contain a configuration. You can access the command via:</p> <table border="1"> <tr> <td>Ribbon</td><td>None</td></tr> <tr> <td>Context menu of</td><td>Project Manager – Application</td></tr> <tr> <td>Shortcut key</td><td>None</td></tr> <tr> <td>Icon</td><td>None</td></tr> </table>	Ribbon	None	Context menu of	Project Manager – Application	Shortcut key	None	Icon	None
Ribbon	None								
Context menu of	Project Manager – Application								
Shortcut key	None								
Icon	None								
Purpose	To add a new configuration to the active application.								
Result	<p>A new configuration is added to the active application.</p> <p>If the active application already contains a hardware topology, adding a new configuration can have different consequences:</p> <ul style="list-style-type: none"> ▪ If the configuration contains modules with selected channels and if these modules are not contained in the new hardware topology, the Hardware Resource Browser displays them in red under a node called Missing hardware. The associated channels are displayed as missing hardware in the 								

Channel List, too. For details on missing hardware, refer to [Basics on Missing Hardware \(ConfigurationDesk for RapidPro - Guide !\[\]\(d0a1791f26d167e866e44ebbf83efebe_img.jpg\)](#)).

- Modules and channels are not displayed as missing hardware in the Hardware Resource Browser and in the Channel List if the modules are contained in the new configuration and if they match the active hardware topology.

Description	ConfigurationDesk for RapidPro opens an Add Configuration dialog.
Add Configuration dialog	<p>Configuration label Lets you enter a name that represents the configuration in ConfigurationDesk for RapidPro. The default name is Configuration. It is displayed in the Project Manager.</p> <p>Use default configuration settings Lets you specify that the configuration is based on default configuration settings.</p> <p>Use settings from connected hardware Lets you specify that the configuration is based on the parameter settings of a connected RapidPro system. This option button is disabled if you did not select Scan connected hardware on the previous page of the Project Wizard or if there is no RapidPro system associated with the active application. If the active application is not connected to a RapidPro system. If you remove the connected hardware while this dialog is open, this option button is automatically disabled.</p> <p>Import configuration settings from file (*.cds) Lets you specify that the hardware configuration is based on a hardware configuration file on your host PC, which you can select via the Browse button.</p>
Related topics	<p>HowTos</p> <div> How to Load a RapidPro Configuration (ConfigurationDesk for RapidPro - Guide ) </div>

Properties

Access	This command is available only if you have selected no more than one hardware component in the Hardware Resource Browser, Platform Manager, or Channel List. You can access it via:
---------------	---

Ribbon	None
Context menu of	<ul style="list-style-type: none"> ▪ Hardware Resource Browser – RapidPro system ▪ Hardware Resource Browser – RapidPro stack ▪ Hardware Resource Browser – Unit ▪ Hardware Resource Browser – Module ▪ Channel List – Channel ▪ Platform Manager – each hardware component
Shortcut key	Enter
Icon	None

Purpose To open the properties dialog of the selected hardware component.

Result Different information is displayed depending on the selected hardware component. For details on specific properties dialogs, refer to [RapidPro Configuration Dialogs \(ConfigurationDesk for RapidPro - Hardware Properties !\[\]\(feabb98897b440bc8695a03336a6e2df_img.jpg\)\)](#).

Open (Configuration)

Access This command is available only if the active application contains a configuration and if the Channel List is closed. You can access it via:

Ribbon	Home – View –Channel List
Context menu of	Project Manager – Configuration
Shortcut key	None
Icon	None

Purpose To open the Channel List.

Result The Channel List is opened and information from the selected configuration file is displayed.

Related topics**References**[Close \(Configuration\)..... 55](#)

Refresh (Channel List)

Access

This command is available only if the **Show Selected Channels Only** command is activated. This is indicated by blue entries in the Channel List instead of black ones. You can access the command via:

Ribbon	None
Context menu of	Channel List
Shortcut key	None
Icon	None

Purpose

To refresh the display of the channels in the Channel List and hide channels whose checkboxes were cleared beforehand.

Result

The channels in the Channel List are re-read and the channels with the cleared checkboxes are no longer displayed.

Reset All Modules

Access

This command is available only if your connected RapidPro hardware is in execution mode and if at least one channel or a whole module has been shut down due to diagnostic errors. You can access it via:

Ribbon	None
Context menu of	Platform Manager – RapidPro system node – <i>(Diagnostic)</i>
Shortcut key	None
Icon	None

Purpose

To reset the shutdown state of all the available RapidPro modules.

Result

All the RapidPro modules are reset.

Note

If the malfunction which causes a diagnostic error is not removed, the diagnostic error will reappear and the associated channels or modules will shut down again.

Description

If a diagnostic error exists for a few seconds, the associated hardware component automatically shuts down to avoid material damage.

Related topics**HowTos**

[How to Reset Shutdown States of Modules \(ConfigurationDesk for RapidPro - Guide !\[\]\(faf942dc3e59ce8eb64b4ac481eca7e0_img.jpg\)](#))

References

[Reset Module..... 65](#)

Reset Module

Access

This command is available only if your connected RapidPro hardware is in execution mode and if at least one channel or a whole module has been shut down due to diagnostic errors. You can access it via:

Ribbon	None
Context menu of	Platform Manager – Hardware component (<i>Diagnostic</i>)
Shortcut key	None
Icon	None

Purpose

To reset the shutdown state of the selected hardware component and its subnodes.

Result

The selected hardware component and its subnodes are reset.

Note

- If you select a node representing a channel, you always reset the associated module, too. You cannot reset a channel separately.
- If the malfunction which causes a diagnostic error is not removed, the diagnostic error will reappear and the associated modules or channels will shut down again.

Description

If a diagnostic error exists for a few seconds, the associated hardware component automatically shuts down to avoid material damage.

Related topics**HowTos**

[How to Reset Shutdown States of Modules \(ConfigurationDesk for RapidPro - Guide !\[\]\(6059a5aa8b4ca7bb793408023d6c6e42_img.jpg\)\)](#)

References


[Reset All Modules..... 64](#)

Set to Idle Mode

Access

This command is available only if RapidPro hardware is connected to your PC and a Control Unit is part of your RapidPro system. You can access it via:

Ribbon	None
Context menu of	Platform Manager – RapidPro stack (<i>Processor Mode</i>)
Shortcut key	None
Icon	None

Purpose	<p>To switch your RapidPro system from execution mode to idle mode.</p> <div>Note<p>If you use your RapidPro system as an I/O subsystem, use this command only in exceptional or emergency cases, when you need to switch to idle mode fast. In all other cases stop the execution of the real-time application via the I/O subsystem.</p></div>
Result	<p>If you work with a rapid control prototyping (RCP) system (like dSPACE's MicroAutoBox), the application on the Control Unit and the RCP system are stopped. Your RapidPro system is set to idle mode.</p>
Description	<p>Switching to idle mode enables you to change configuration settings quickly and download them to your RapidPro hardware. If you use a rapid control prototyping (RCP) system (like dSPACE's MicroAutoBox) and you want to switch back to execution mode, you have to start your application on your RCP system again.</p>
Related topics	<p>Basics</p> <div>Characteristics of Application States and Operating Modes (ConfigurationDesk for RapidPro - Guide )</div>

Show in Hardware Resource Browser

Access	<p>You can access the command via:</p> <table><tr><td>Ribbon</td><td>None</td></tr><tr><td>Context menu of</td><td>Channel List</td></tr><tr><td>Shortcut key</td><td>None</td></tr><tr><td>Icon</td><td>None</td></tr></table>	Ribbon	None	Context menu of	Channel List	Shortcut key	None	Icon	None
Ribbon	None								
Context menu of	Channel List								
Shortcut key	None								
Icon	None								
Purpose	<p>To show the module in the Hardware Resource Browser that is associated with the selected channel in the Channel List.</p>								

Result The module associated with the selected channel is highlighted in the Hardware Resource Browser, and expanded if necessary.

Related topics

References

[Hardware Resource Browser..... 36](#)

Show Selected Channels Only

Access

You can access this command via:

Ribbon	Home – Show – Selected Channels Only
Context menu of	Channel List
Shortcut key	Ctrl+F12
Icon	None

Purpose

To show only channels which were previously selected in the Channel List.

Result

Only selected channels are displayed in the Channel List, unselected channels are filtered out. The text color of the selected channel entries changes from black to blue.

Description

By default, all the available channels are displayed in the Channel List.

Related topics

HowTos

[How to Hide Channels in the Channel List \(ConfigurationDesk for RapidPro - Guide !\[\]\(c1168d6a8b365d11e842ece304635fa7_img.jpg\)](#))

View Diagnostic Entries

Access

This command is available only if RapidPro hardware is connected to your PC and diagnostic messages exist. You can access it via:

Ribbon	None
Context menu of	Platform Manager – Hardware component (<i>Diagnostic</i>)
Shortcut key	None
Icon	None

Purpose

To view details on the diagnostic messages of the selected hardware component and its subnodes.

Result

ConfigurationDesk for RapidPro opens a **Diagnostic View** dialog which displays details on all the available diagnostic messages of the selected hardware component and its subnodes in a list.

Description

The available diagnostic messages for the selected hardware component and its subnodes are shown in a list consisting of the following columns:

Column Title	Description
Module Name	Shows the name of the module/ channel for which diagnostic messages are displayed.
Diagnostic State	Displays the state of diagnostic messages: <ul style="list-style-type: none">▪ Triggered indicates a new error or warning message whose cause has not been fixed yet.▪ Acknowledged indicates that a warning message is no longer present or has been fixed.
Message	Displays details on the diagnostic message.

Acknowledged warning messages are displayed in the **Diagnostic View** dialog as long as you select and delete them by either clicking the **Delete** button at the bottom of the dialog or right-clicking and selecting **Delete Message** from the context menu. Deletion changes the LED of the hardware component from yellow to green in the **Platform Manager** provided there are no diagnostic errors.

Note

- The Delete commands are not available if you have selected an unacknowledged warning message in the list.
- If you disconnect your RapidPro hardware while the Diagnostic View dialog is open, you can no longer delete acknowledged warning messages.

Related topics

Basics

[Basics on the Display of Diagnostic Messages \(ConfigurationDesk for RapidPro - Guide !\[\]\(950a62bbddad88d64435fd35607dfc42_img.jpg\)\)](#)

HowTos

[How to Delete Acknowledged Warning Messages \(ConfigurationDesk for RapidPro - Guide !\[\]\(10f8862fc183b400327470ea85afe9ae_img.jpg\)\)](#)

Message Handling

Objective	ConfigurationDesk for RapidPro provides functions to generate error, warning, and general information messages. They are displayed in the Message Viewer and can, for example, be copied or removed.
------------------	---

Where to go from here

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Clear Messages

Access	You can access this command via:	
	Ribbon	None
	Context menu of	Message in the Message Viewer
	Shortcut key	None
	Icon	None
Purpose	To remove all entries from the Message Viewer.	
Result	ConfigurationDesk deletes all the entries in the Message Viewer.	
Description	Messages generated by the real-time application (for example, for debugging purposes) may increase the number of messages displayed in ConfigurationDesk's Message Viewer very fast. If there are more than 20,000 messages in the Message Viewer, ConfigurationDesk's performance may decrease. To enhance it, delete all existing messages in the Message Viewer.	
Related topics	References	
	Message Viewer.....	76

Collapse (Messages)

Access	You can access this command via:	
	Ribbon	None
	Context menu of	Message in the Message Viewer
	Shortcut key	-
	Icon	None
Purpose	To collapse all the subelements of the selected message.	
Result	The subelements of the selected message are hidden.	
Related topics	References	
	Message Viewer..... 76	

Copy (Messages)

Access	You can access this command via:	
	Ribbon	None
	Context menu of	Message in the: <ul style="list-style-type: none">▪ Message Viewer▪ dSPACE Log
	Shortcut key	Ctrl+C
	Icon	None
Purpose	To copy the selected messages in the Message Viewer/dSPACE Log to the Clipboard.	
Related topics	References	
	dSPACE Log..... 106 Message Viewer..... 76	

Expand (Messages)

Access

You can access this command via:

Ribbon	None
Context menu of	Message in the Message Viewer
Shortcut key	+
Icon	None

Purpose

To expand all the collapsed subelements of the selected message.

Result

The hidden subelements of the selected message are displayed.

Related topics

References

[Message Viewer..... 76](#)

Fit All Columns

Access

You can access this command via:

Ribbon	None
Context menu of	Column header of: <ul style="list-style-type: none"> ▪ Message Viewer ▪ dSPACE Log
Shortcut key	None
Icon	None

Purpose

To optimize the width of all the displayed columns in the Message Viewer or in the dSPACE Log.

Related topics

References

[dSPACE Log..... 106](#)
[Message Viewer..... 76](#)

Fit Column Width

Access	You can access this command via:	
	Ribbon	None
	Context menu of	Column header of: <ul style="list-style-type: none">▪ Message Viewer▪ dSPACE Log
	Shortcut key	None
	Icon	None

Purpose	To resize the selected column to be just a bit larger than the largest column value.
---------	--

Related topics	References
	<div><div>dSPACE Log..... 106</div><div>Message Viewer..... 76</div></div>

Lock Scrolling

Access	You can access this command via:	
	Ribbon	None
	Context menu of	Message in the: <ul style="list-style-type: none">▪ Message Viewer▪ dSPACE Log
	Shortcut key	None
	Icon	None

Purpose	To disable the automatic vertical scrolling mechanism in the Message Viewer or the dSPACE Log.
---------	--

Description	By default, the Message Viewer and the dSPACE Log automatically scrolls to the latest entry that is displayed. Locking it or running the Project Manager in the foreground enhances ConfigurationDesk's performance.
-------------	--

Related topics


References

dSPACE Log.....	106
Message Viewer.....	76

Message Viewer

Access

The Message Viewer is one of ConfigurationDesk's controlbars. You can display it via:

Ribbon	View – Switch Controlbars
Context menu of	None
Shortcut key	Alt+Shift+1
Icon	

Purpose

To show or hide the Message Viewer.

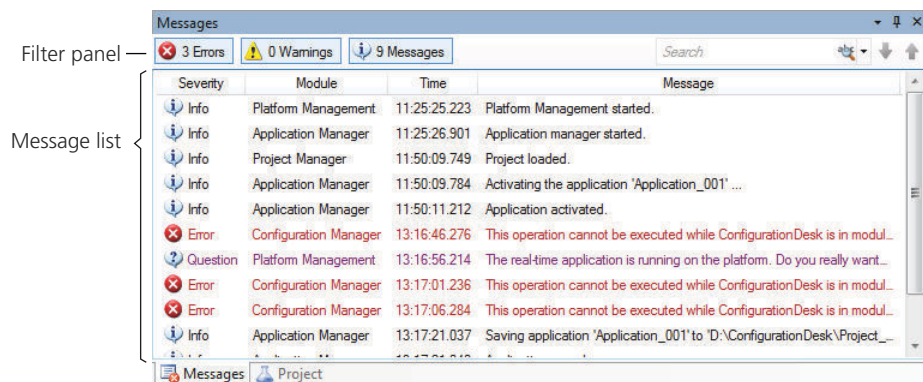
Result

The Message Viewer opens or closes.

Description

The Message Viewer provides a history of all the info, advice, error and warning messages, and all the questions that occur when you work with the product. This helps you check the system state.

The Message Viewer looks like this:



For descriptions of context menu commands, refer to [Message Handling](#) on page 71.

Filter panel

If the filter panel is active, it lets you filter the message list and search for text in the message list. Refer to [Show Filter Panel](#) on page 79.

Message list

The message list provides the following information for each message:

Information	Description
Severity	The severity level of the message, indicated by one of the following symbols: <ul style="list-style-type: none"> ✖ Errors ⚠ Warnings ℹ Other messages, i.e., infos, advice, and questions
Module ¹⁾	The module that issued the message.
Time ¹⁾	The time the message was issued.
Message	The content of the message.
Main Module Number ¹⁾ (Main Module)	The main module that issued the message.
Submodule Number ¹⁾ (Submodule)	The submodule that issued the message.
Message Code ¹⁾	The code of the message.

¹⁾ You can specify whether this information is displayed via the Show Columns command.

A message can be identified by the combination of message code, main module number and submodule number.

Reset Columns

Access

You can access this command via:

Ribbon	None
Context menu of	Column header in: <ul style="list-style-type: none"> Message Viewer dSPACE Log
Shortcut key	None
Icon	None

Purpose To reset the display of message list columns to the default.

Related topics

References

dSPACE Log.....	106
Message Viewer.....	76
Show Columns.....	78

Show Columns

Access

You can access this command via:

Ribbon	None
Context menu of	Column header of: <ul style="list-style-type: none"> ▪ Message Viewer ▪ dSPACE Log
Shortcut key	None
Icon	None

Purpose

To add/remove, for example, the following columns to/from the message list of the Message Viewer/dSPACE Log:

- Module
- Time
- Main Module Number
- Submodule Number
- Message Code

For more information on the columns, refer to [Message Viewer](#) on page 76 and [dSPACE Log](#) on page 106.

Related topics

References

dSPACE Log.....	106
Message Viewer.....	76
Reset Columns.....	77

Show Details

Access

You can access this command via:

Ribbon	None
Context menu of	Message in the dSPACE Log
Shortcut key	None
Icon	None

Purpose

To show/hide details of a selected message.

Description

If active, the dSPACE Log pane is split horizontally. The bottom pane displays properties of the message selected in the upper pane.

Related topics

References

[dSPACE Log..... 106](#)

Show Filter Panel

Access

You can access this command via:


Ribbon	None
Context menu of	Message in the: <ul style="list-style-type: none"> ▪ Message Viewer ▪ dSPACE Log
Shortcut key	None
Icon	None


Purpose


To show or hide the filter panel of the Message Viewer/dSPACE Log.

Filter panel

The filter panel lets you filter the message list and search for text in the message list.


Edit Product Filter  **button - only in dSPACE Log)** Lets you specify a list of products for filtering the message list.

To apply the product filter, click the Enable/Disable Product Filter button next to the  button.

Enable/Disable Product Filter ( button - only in dSPACE Log) Lets you enable/disable the product filter.

Show/Hide Errors ( button) Lets you display or hide errors.

Show/Hide Warnings ( button) Lets you display or hide warnings.


Show/Hide other Messages ( button) Lets you display or hide other messages, i.e., infos, advice, and questions.


Search Lets you enter a text string for searching the message list.

You can use the following wildcards in the text string:

- ? (wildcard for one character)
- * (wildcard for any number of characters)

To mask a wildcard, enter the \ character before the wildcard.

To select the next occurrence of the search string, click  next to the edit field, or press the **Enter** key while the search field has the focus.

To select the previous occurrence of the search string, click  next to the edit field.

Related topics

References

dSPACE Log.....	106
Message Viewer.....	76

Show Message

Access

You can access this command via:

Ribbon	None
Context menu of	Message in the: <ul style="list-style-type: none"> ▪ Message Viewer ▪ dSPACE Log
Shortcut key	None
Icon	None

Purpose

To show a selected message in a separate dialog.

Tip

You can also double-click a message to show it in a separate dialog.

Related topics

References

[dSPACE Log..... 106](#)
[Message Viewer..... 76](#)
[Show Details..... 79](#)

Tree View

Access

You can access this command via:

Ribbon	None
Context menu of	Message in the Message Viewer
Shortcut key	None
Icon	None

Purpose

To toggle between flat and hierarchy views of the messages.

Related topics

References

[Message Viewer..... 76](#)

File Formats

File Types

Objective

When you work with ConfigurationDesk for RapidPro, you will encounter different file types.

Note

Do not change file name extensions. This leads to conflicts later on because ConfigurationDesk for RapidPro uses fixed file name extensions for file types. Do not modify the contents of files manually.

File Types

The following list describes the most common specific file types of ConfigurationDesk for RapidPro:

Extension	Description
CDL	The ConfigurationDesk application file contains links to all the documents related to an application (for example, the hardware topology file or the configuration file).
CDP	The ConfigurationDesk project file contains links to all the documents related to a project (for example, the hardware topology file, the configuration file, or all existing applications)
DSA	A dSPACE archive contains an application and all the files belonging to it as one unit. It can later be loaded into another ConfigurationDesk project.
CDS	The configuration file contains information on the last saved configuration settings of a specific RapidPro system. This file allows you to load, change and save the configuration data of all the modules contained in the topology file and/or in the connected hardware.

Extension	Description
	Configuration data can also be exchanged by importing this file into an existing ConfigurationDesk application.
HTF	This file contains a complete representation of a RapidPro hardware system which was previously connected and assigned to the ConfigurationDesk application. In conjunction with the CDS file, it allows you to configure a RapidPro hardware system regardless of whether it is physically connected to your host PC or not.
HWT	This hardware topology file is a special hardware topology file needed to introduce the RapidPro hardware to the RTI RapidPro Control Unit Blockset. It contains hardware-related information on a specific RapidPro system, such as components, slot positions, serial numbers of components, and mapping details. Additionally, it contains configuration parameters which you can change, such as the channel names of the modules. In ConfigurationDesk for RapidPro, you can generate an HWT file which can later be imported to the RTI RapidPro Control Unit Blockset.
XML	The Extensible Markup Language format is used for ConfigurationDesk's project template file: (%DSPACE_CONFIG %\ConfigurationDeskTemplate.xml)

Related topics

Basics

[Details on RapidPro Hardware Data \(ConfigurationDesk for RapidPro - Guide !\[\]\(e78f798d4ea5c530c9db49e7d26e6b95_img.jpg\)\)](#)

General Properties

Objective In the ConfigurationDesk for RapidPro Properties dialog you can specify the global settings of ConfigurationDesk.

Where to go from here

Information in this section

ConfigurationDesk for RapidPro Properties.....	85
To specify the global settings of ConfigurationDesk for RapidPro.	
General Properties - Project Page.....	86
To specify project root directories.	
General Properties - Views Page.....	87
To alter the settings for workbook tabs and controlbar tabs.	

ConfigurationDesk for RapidPro Properties

Access You can access this dialog via:

Ribbon	File – Options
Context menu of	None
Shortcut key	None
Icon	None

Purpose To specify the global settings of ConfigurationDesk for RapidPro.

Result If you change a setting in any of the pages in the ConfigurationDesk for RapidPro Properties dialog, the changes apply to this and all subsequent ConfigurationDesk sessions.

Related topics

References

General Properties - Project Page.....	86
General Properties - Views Page.....	87

General Properties - Project Page






Access This page is part of the ConfigurationDesk for RapidPro Properties dialog.

Purpose To specify project root directories.

Description To define and work with projects and applications in ConfigurationDesk for RapidPro, at least one project root directory must be specified.

Dialog settings

Root directories Lets you specify one or more project root directories.

	To specify a new project root directory.
Insert	A new line is added to the list of project root directories. You can enter a directory name in the edit field or select a directory via the Browse button. If you enter the path manually, the directory must already exist, it is not created by ControlDesk.
	To remove the selected directory from the list of project root directories.
Delete	
	To move the selected directory up in the list of project root directories.
	To move the selected directory down in the list of project root directories.
	To browse the contents of the selected directory.
F2	To edit the selected directory in the list of project root directories.

Only show projects containing applications Activates a filter to show only projects containing applications when you browse for projects via [Open Project/Open Project and Application](#) on page 21. The Only show projects containing applications checkbox is selected by default.

Tip

For example, the filter affects ControlDesk projects that contain only experiments. Clear the checkbox to display these projects.

General Properties - Views Page

Access This page is part of the ConfigurationDesk for RapidPro Properties dialog.

Purpose To alter the settings for workbook tabs and controlbar tabs.

Dialog settings

Workbook tabs position If you have opened several sequences and other windows, you have a better overview of them when you use the workbook mode. In this mode, each opened sequence and other windows are represented by a tab. With this setting, you can specify whether the tabs are displayed at the *top* or the *bottom* of the working area.

Controlbar tabs layout You can customize the window layout of ConfigurationDesk for RapidPro. If you have docked several components to a window, it provides tabs to switch between them. With this setting, you can specify the layout of the controlbar tabs:

Layout	Description
Auto-size	Each controlbar tab contains the symbol and the name of the component that it represents. The whole component name is displayed. If the window is too small for displaying all controlbar tabs, you must scroll to the hidden ones.
Compressed	Only the active controlbar tab contains the symbol and name of the component that it represents. The other controlbar tabs are displayed only by their symbols.
Size to Fit	Each controlbar tab contains the symbol and the name of the component that it represents. However, the component names are shortened so that all controlbar tabs are accessible without scrolling.

Show shortcut keys in tooltips If you select this option, the tooltip of a selected command contains information on its shortcut key, if available.

Animate auto hiding of controlbars If you select this option, auto hiding of a window is done with an animation.

Drag controlbars to float Lets you specify whether a docked controlbar can be changed to the floating state by dragging the controlbar's title bar.

Reset all View Sets Lets you reset all view set settings to the state of the first installation.

Note

All the user-defined view sets are deleted.

Related topics

References

Auto Hide.....	92
Workbook Mode.....	102

Window Handling

Objective	ConfigurationDesk's window handling provides various commands and dialogs, which are accessible via the ribbons and the context menus of the ConfigurationDesk for RapidPro components.
------------------	---

Where to go from here

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To allow the component to be docked.	
Apply Default Order.....	91
To sort all hardware components with the default order.	
Arrange Icons.....	91
To arrange all minimized child windows in the working area.	
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To hide the window automatically if it is not focused.	
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To cascade all currently open windows in ConfigurationDesk for RapidPro's working area.	
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To close the currently selected window in ConfigurationDesk for RapidPro's working area.	
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Close All But This.....	94
To close all the windows except for the currently active one.	
Customize Quick Access Toolbar/More Commands.....	94
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Dock/Docked.....	96
To place a floating pane at a certain location in the user interface and connect it to its neighbor windows.	

Float/Floating.....	97
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Switch Controlbars.....	100
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Switch Windows.....	100
To activate another open window.	
Tile Horizontally.....	101
To arrange the currently open windows horizontally.	
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To arrange the currently open windows vertically.	
Workbook Mode.....	102
To display a tab for each window opened in the working area.	

Allow Docking

Access

You can access this command via:

Ribbon	None
Context menu of	All controlbars
Shortcut key	None
Icon	None

Purpose

To allow the component to be docked.

Result

When moved within ConfigurationDesk for RapidPro's main window, the component is docked if ConfigurationDesk for RapidPro finds a suitable place for it.

Description

When docked, the component has no window frame but an information header for controlling its state, position, and size.

Related topics**References**[Float in Main Window..... 98](#)

Apply Default Order

Access

This command is available only if you sort the hardware components by name. You can access this command via:

Ribbon	None
Context menu of	Hardware Resource Browser - Hardware component
Shortcut key	None
Toolbar icon	None

Purpose

To sort all hardware components with the default order.


Result

All hardware components are sort with the default order.

Arrange Icons

Access

You can access this command via:

Ribbon	View – Window
Context menu of	None
Shortcut key	None
Icon	

Purpose

To arrange all minimized windows in ConfigurationDesk for RapidPro's working area.


Result

All minimized windows are arranged horizontally at the bottom of ConfigurationDesk for RapidPro's working area.

Auto Hide

Access


You can access this command via:

Ribbon	None
Context menu of	Pane's title bar in docked mode
Shortcut key	None
Icon	None
Others	 in the pane's title bar

Purpose

To hide the window automatically if it is not focused.

Description


The **Auto Hide** command is enabled only for windows in docked mode. If you enable the Auto Hide feature, a tab representing the window is created in the user interface. You can click the tab to display the window again. The position of the tab depends on the original position of the window you want to hide. The Auto Hide symbol in the title bar changes to .

The transition between displayed and hidden window is animated if the **Animate auto hiding of controlbars** option is set. Refer to [General Properties - Views Page](#) on page 87.

Cascade

Access

You can access this command via:

Ribbon	View – Window
Context menu of	None
Shortcut key	None
Icon	

Purpose


To cascade all currently open windows in ConfigurationDesk for RapidPro's working area.

Result The windows are cascaded.

Description The windows are cascaded diagonally, one on top of the other. You can move them and pull them to any size you desire.

Close


Access You can access this command via:

Ribbon	View – Window
Context menu of	Tab of windows selected in the working area
Shortcut key	Ctrl+F4
Icon	

Purpose To close the currently selected window in ConfigurationDesk for RapidPro's working area.

Close All

Access You can access this command via:

Ribbon	View – Window
Context menu of	None
Shortcut key	None
Icon	

Purpose To close all windows in ConfigurationDesk for RapidPro's working area.

Close All But This

Access

You can access this command via:

Ribbon	None
Context menu of	Workbook tab in workbook mode
Shortcut key	None
Icon	None

Purpose

To close all the windows except for the currently active one.

Result

All the windows other than the active one are closed.

Customize Quick Access Toolbar/More Commands

Access

You can access this command via:

Ribbon	View – View Set
Context menu of	<ul style="list-style-type: none"> Commands in the ribbon Commands in the Quick Access Toolbar
Shortcut key	None
Icon	None

Purpose

To customize the Quick Access Toolbar and view sets.

Result

The Quick Access Toolbar and the view sets are customized according to the settings in the **Customize** dialog.

Description

ConfigurationDesk opens the **Customize** dialog, which lets you customize the Quick Access Toolbar and view sets.

Tabbed pages

The **Customize** dialog consists of the following pages:

Purpose	Page
To customize the Quick Access Toolbar.	Quick Access Toolbar page
To create and manage view sets.	View Sets page

Quick Access Toolbar page

To customize the Quick Access Toolbar.

Choose commands from Lists all the available ribbons. Lets you select a ribbon to display its commands.

Add >> Lets you add the selected command to the Quick Access Toolbar.

<< Remove Lets you remove the selected command from the Quick Access Toolbar.

Reset to Factory Settings Lets you reset the Quick Access Toolbar to the default.

Show Quick Access Toolbar below the ribbon Lets you specify whether to display the Quick Access Toolbar above or below the ribbon.

Up Lets you move the selected command toward the top of the list to specify the order of commands on the Quick Access Toolbar.

Down Lets you move the selected command toward the bottom of the list to specify the order of commands on the Quick Access Toolbar.

View Sets page

To create and manage view sets.

A view set is a named configuration of the controlbars, the ribbon, and the Quick Access Toolbar of the application. The configuration includes the geometry, visibility, and docking or floating state of these user interface elements. Further user-defined configurations of these elements are also included.

All the modifications you make to the screen arrangement are automatically saved to the currently active view set.

- To discard all the modifications that you made in the screen arrangement, you can reset the active view set to its default state via [Reset View Set](#) on page 99.
- If you want to reset all the view set settings to the state of the first installation, you can do so via the ConfigurationDesk Options dialog. Refer to [General Properties - Views Page](#) on page 87.

View sets Lists all the available view sets and their icons.

New View Set Lets you create a new view set. Opens the **View Set Name** dialog for you to enter a unique name for the new view set. The new view set becomes the currently active view set. It takes the settings of the formerly active view set.

The new view set is added to the View ribbon as a list entry below **View Set - Switch View Sets**.

Rename View Set Lets you rename the selected view set. Opens the **View Set Name** dialog for you to enter a unique name.

Delete View Set Lets you delete the selected view set. The last remaining view set cannot be deleted.

Up Lets you move the selected view set toward the top of the list.

Down Lets you move the selected view set toward the bottom of the list.

Load Icon Lets you open a standard dialog to select a BMP or PNG image as the icon representing the view set on toolbars and in menus. The image width and height must not exceed 16 pixels.

Edit Icon Lets you open the **Button Editor** dialog to create an individual icon representing the currently selected view set on toolbars and in menus.

Reset Icon Lets you clear the user-selected icon and display the standard icon for view sets instead.

Reset to Factory Settings Lets you reset all view set settings to the state of the first installation.

Note

All the user-defined view sets are deleted.

Import Opens the **Import View Sets** dialog that lets you select a VSET file containing view sets to be imported.

In the dialog, you can specify whether naming conflicts should be resolved:

- By overriding existing view sets, or
- By renaming the imported ones.

Note


To import a view set, the exporting and the importing application must have the same configurations (such as the available licenses).

Export Lets you export all the view sets to a view set (VSET) file. A VSET file also contains the icons assigned to the view sets.

Dock/Docked

Access

You can access this command via:

Ribbon	View – Window
Context menu of	<ul style="list-style-type: none"> ▪ Window's title bar in floating mode ▪ Workbook tab in workbook mode
Shortcut key	None
Icon	

Purpose To place a floating pane at a certain location in the user interface and connect it to its neighbor windows.

Description

The **Docked** command from the title bar's context menu is available for a component that is in floating state.

If you drag a window and drop it on the selected positioning symbol, it is automatically docked.


Note

- Before you can dock a window, you must select the **Allow Docking** option to enable docking at all.
- This command is only available for windows that support docking.
- You cannot dock a window in full screen mode.

Float/Floating

Access

You can access this command via:

Ribbon	View – Window
Context menu of	<ul style="list-style-type: none"> ▪ Window's title bar in docked mode ▪ Workbook tab in workbook mode
Shortcut key	None
Icon	

Purpose

To make a window movable on the entire screen.

Description

The **Float** command on the View ribbon is only available for a component that is floating in the main window. If you float the component, the window type changes, and you can drag it to any place on your screen, even outside of the user interface. The window is not docked to other windows.

The **Floating** command from the title bar's context menu is available for a component that is in docked state.

If you drag a docked window but do not drop it on a positioning symbol, it is automatically in floating state.

Note

- This command is available only for windows that support floating.
- The Float in Main Window command makes a window floating, but you can move it only within the main window.
- You cannot float a window in full screen mode.

Float in Main Window

Access

You can access this command via:

Ribbon	None
Context menu of	All controlbars
Shortcut key	None
Icon	None

Purpose

To move the controlbar to the main window.

Result

The controlbar is moved to the main window.

Related topics**References**


Allow Docking.....	90
Dock/Docked.....	96
Float/Floating.....	97

Full Screen Mode

Access

You can access this command via:

Ribbon	View – Show
Context menu of	None


Shortcut key	Alt+Shift+Enter
Icon	

Purpose To toggle between full screen and normal view.

Description In full screen mode, the Full Screen toolbar is hidden at the top of the screen.


Note

Docked and floating windows are not visible in full screen mode.

To return to the normal view, move the mouse pointer to the top center of the screen and click , or press **Alt + Shift + Enter**.

Reset View Set

Access You can access this command via:

Ribbon	View – View Set
Context menu of	None
Shortcut key	None
Icon	

Purpose To set the arrangement of the user interface (comprising the ribbons and panes) to the original settings as and when the software product was first installed.


Result The settings of the user interface are reset to the default.

Description The controlbars of ConfigurationDesk for RapidPro, such as Platform Manager, Message Viewer, and all other controlbars and toolbars, can be arranged according to your needs. For example, you can move a controlbar and dock it to another controlbar. All your modifications are saved when you exit ConfigurationDesk for RapidPro. You can use this command to reset the user interface to its default.

Switch Controlbars

Access

You can access this command via:

Ribbon	View - Controlbar
Context menu of	None
Shortcut key	None
Icon	

Purpose

To show or activate controlbars, for example, the **Message Viewer**.

Result

The controlbars are either shown or activated.

Description


Opens a submenu showing all available controlbars. The controlbars that have a checkmark are shown in the main window. The controlbars without a checkmark are hidden.

To hide a controlbar, you must use the Close symbol in the controlbar's header.

Switch Windows

Access

You can access this command via:

Ribbon	View – Window
Context menu of	None
Shortcut key	None
Icon	

Purpose

To activate another open window.


Result

The selected window is opened in the working area.

Tile Horizontally

Access

You can access this command via:

Ribbon	View – Window
Context menu of	None
Shortcut key	None
Icon	

Purpose

To arrange the currently open windows in ConfigurationDesk for RapidPro horizontally.

Result

The windows are arranged horizontally.


Description

The windows are arranged so that each window has the same size, initially without overlaps. You can move the child windows, pull them to any size you desire, and overlap them.

Tile Vertically

Access

You can access this command via:

Ribbon	View – Window
Context menu of	None
Shortcut key	None
Icon	

Purpose

To arrange the currently open windows in ConfigurationDesk for RapidPro vertically.

Result

The windows are arranged vertically.

Description

The windows are arranged so that each window has the same size, initially without overlaps. You can move the child windows, pull them to any size you desire, and overlap them.

Related topics


References

Arrange Icons.....	91
Cascade.....	92
Tile Horizontally.....	101

Workbook Mode

Access

You can access this command via:

Ribbon	View – Show
Context menu of	None
Shortcut key	None
Icon	 (Checkbox)

Purpose

To enable or disable the Workbook mode for ConfigurationDesk for RapidPro’s working area.

Result

If there is a checkmark to the left, the Workbook mode is enabled in ConfigurationDesk for RapidPro’s working area.

Description

In the Workbook mode, each separate window in the working area can be activated by a tab at the bottom of the working area. If there is no checkmark, the Workbook mode is deactivated.

Basic Interface

Objective	The basic interface of ConfigurationDesk for RapidPro provides various commands and dialogs that are accessible via the ribbons and the context menus.
------------------	--

Where to go from here

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To display information on which ConfigurationDesk for RapidPro version and license are currently installed on your system.	
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To prompt to save the project and to exit the current ConfigurationDesk for RapidPro session.	
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To display new features and required migration steps for all the products in the current dSPACE Release.	
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About ConfigurationDesk for RapidPro

Access

You can access this command via:

Ribbon	File – Help
Context menu of	None
Shortcut key	None
Icon	None

Purpose

To display information on which ConfigurationDesk for RapidPro version and license are currently installed on your system.

About ConfigurationDesk for RapidPro dialog

Displays information on your current ConfigurationDesk for RapidPro version and license.

Type Displays the license type of your ConfigurationDesk for RapidPro installation.

Expiration Date Displays the date when the current license expires.

Disclaimer Lets you view the ConfigurationDesk for RapidPro Disclaimer dialog, where you can specify the disclaimer to be shown during ConfigurationDesk for RapidPro start-up.

Help (Backstage View)

Access

You can access this ribbon group via:

Ribbon	File
Context menu of	None
Shortcut key	None
Icon	None

Purpose

To provide access to help commands.

Description



You have access to commands such as:

- [dSPACE Help](#) on page 105
- [Using dSPACE Help](#) on page 113
- [New Features and Migration](#) on page 109
- [PDF Files](#) on page 109
- [Keyboard Help](#) on page 108

dSPACE Help

Access

You can access this command via:

Ribbon	File – Help
Context menu of	None
Shortcut key	F1
Icon	
Others	 (at the right side of the ribbon bar)

Purpose

To open the user documentation of ConfigurationDesk.

Result The user documentation of ConfigurationDesk opens.

Related topics


References

Using dSPACE Help..... 113

dSPACE Log

Access

You can access this command via:

Ribbon	View – Show
Context menu of	None
Shortcut key	None
Icon	

Purpose

To open the dSPACE Log in ConfigurationDesk's working area.

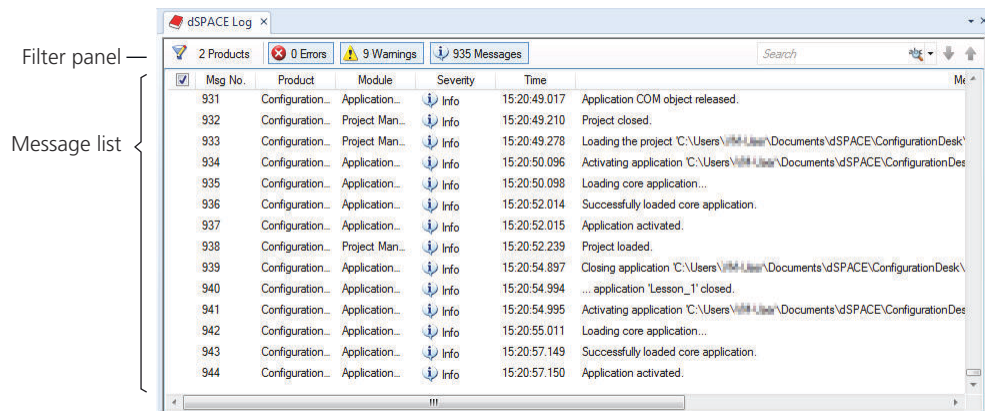
Result

The dSPACE Log is shown in the working area.

Description

The dSPACE Log is a collection of errors, warnings, information, questions, and advice issued by all dSPACE products and connected systems over more than one session.

The dSPACE Log Viewer looks like this:







For descriptions of context menu commands, refer to [Message Handling](#) on page 71.

Filter panel

If the filter panel is active, it lets you filter the message list and search for text in the message list. Refer to [Show Filter Panel](#) on page 79.

Message list

The message list provides the following information for each message:

Information	Description
Show/Hide Messages of Log Sessions	Select this option to expand the messages of all sessions. Clear it to collapse the messages of all sessions. You can expand or collapse the messages of a single session by clicking the corresponding icons (▶/◀) in this column.
Message Number ¹⁾ (Msg No)	The consecutive number of the message in the dSPACE Log.
Product ¹⁾	The product that issued the message.
Process ID ¹⁾ (PID)	The ID of the process that issued the message.
Module ¹⁾	The module that issued the message.
Severity ¹⁾	The severity level of the message, indicated by one of the following symbols: <ul style="list-style-type: none"> ▪  Error ▪  Warning ▪  Session start ▪  Other messages, i.e., infos, advice, and questions
Time ¹⁾	The time the message was issued.
Message	The content of the message.
Main Module Number ¹⁾ (Main Module)	The main module that issued the message.
Submodule Number ¹⁾ (Submodule)	The submodule that issued the message.
Message Code ¹⁾	The code of the message.
Thread ID ¹⁾ (TID)	The ID of the thread that issued the message.


¹⁾ You can specify whether this information is displayed via the Show Columns command.

A message can be identified by the combination of message code, main module number and submodule number.

Exit

Access

You can access this command via:

Ribbon	File
Context menu of	None
Shortcut key	Alt+F4
Icon	

Purpose

To prompt to save the project and to exit the current ConfigurationDesk for RapidPro session.


Description

If you made any changes to any open files in ConfigurationDesk, you are prompted to save them before the session is quit.

Keyboard Help

Access

You can access this command via:

Ribbon	File – Help
Context menu of	None
Shortcut key	Ctrl+F1
Icon	

Purpose

To display the currently active shortcut keys.

Result

ConfigurationDesk for RapidPro opens the **Active Keyboard Shortcuts** dialog that lists the currently active shortcut keys.

Active Keyboard Shortcuts dialog


Displays a context-dependent list of shortcut keys. They depend on your current working context in ConfigurationDesk for RapidPro.

Copy List Lets you copy the list of keyboard shortcuts to the Clipboard. You can paste them, for example, to a text document and print them.

New Features and Migration

Access


You can access this command via:

Ribbon	File – Help
Context menu of	None
Shortcut key	None
Icon	

Purpose

To display new features and required migration steps for all the products in the current dSPACE Release.


Result

dSPACE Help opens with [New Features and Migration](#)  displayed. Navigate to the specific product information to read about the new features of a specific product. If there are migration steps required, the necessary steps are described.

PDF Files

Access

You can access this command via:

Ribbon	File – Help
Context menu of	None
Shortcut key	None
Icon	



Purpose

To open a folder containing documentation PDF files of the current dSPACE Release.

Minimize the Ribbon

Access

You can access this command via:

Ribbon	None
Context menu of	<ul style="list-style-type: none"> Commands in the ribbon Commands in the Quick Access Toolbar
Shortcut key	None
Icon	(on the right of the ribbon)  or 

Purpose

To toggle between a minimized and expanded ribbon.

Result

If the ribbon is minimized, only the ribbon tabs are shown on the user interface.

Description

To access a command when the ribbon is minimized, click a ribbon tab. The commands remain on the user interface until you execute a command from the ribbon.

Show Quick Access Toolbar Above / Below the Ribbon

Access

You can access this command via:

Ribbon	None
Context menu of	<ul style="list-style-type: none"> Commands in the ribbon Commands in the Quick Access Toolbar
Shortcut key	None
Icon	None

Purpose

To show the Quick Access Toolbar above or below the ribbon.


Result

The Quick Access Toolbar is shown above or below the ribbon.

Start Page

Access

You can access this command via:

Ribbon	View – Show
Context menu of	None
Shortcut key	None
Icon	

Purpose

To display the Start page.

Result

The Start page is displayed in the working area.

Start Page

The Start page allows you, for example, to open an existing project or create a new one. The Start page also provides quick access to the product documentation.

New Project + Application / New Application Lets you define a new project or a new application.

For details, refer to [New Project + Application / New Application / Add Application](#) on page 19.

Open Project + Application Lets you open an existing project.

For details, refer to [Open Project/Open Project and Application](#) on page 21.

Recent Lets you open one of the most recently opened projects.

Basic Documentation / Hardware Documentation Lets you display different parts of the ConfigurationDesk for RapidPro documentation.

Status Bar

Access

You can access this command via:

Ribbon	View – Show
Context menu of	None
Shortcut key	None
Icon	None

Purpose To show or hide the status bar of ConfigurationDesk for RapidPro at the bottom of ConfigurationDesk's main window.

Result A checkmark next to the command in the View menu indicates that the status bar is shown at the bottom of the main window. If there is no checkmark, it is hidden.


Description The status bar visualizes the current state of the active application in ConfigurationDesk for RapidPro. The following displays are possible:

State	Visualization	Description
Application state: Not connected to Hardware	Application state: Not connected to Hardware (red)	<p>This state occurs if one of the following cases apply:</p> <ul style="list-style-type: none"> ▪ The active application has no connection to the connected RapidPro hardware or there is no RapidPro hardware connected. ▪ The active application contains no hardware topology. <p>Changes to configuration settings are saved in the CDS file.</p>
Application state: Connected to Hardware	Application state: Connected to Hardware (yellow)	<ul style="list-style-type: none"> ▪ This state occurs if the application loaded in ConfigurationDesk for RapidPro has a hardware topology that matches the hardware topology of the connected hardware. ▪ Changes to configuration settings are not saved on the hardware, but only in the CDS file.
Application state: Module setup mode	Application state: Module setup mode (green)	<ul style="list-style-type: none"> ▪ This state occurs if the application loaded in ConfigurationDesk for RapidPro has a hardware topology and configuration that match the hardware topology and configuration of the connected hardware. ▪ Changes to configuration settings are immediately saved on the hardware.

For details on the interaction of the different application states, refer to [Assigning Connected RapidPro Hardware to Applications \(ConfigurationDesk for RapidPro - Guide !\[\]\(96cc62f861fdd6e50510c0224a756dff_img.jpg\)](#)).

Changing signal polarities If you change the signal polarity of a module, the internal routing of the RapidPro system has to be reconfigured. This takes about 30 seconds. The status bar visualizes the reconfiguration by a progress bar.

Using dSPACE Help

Access	You can access this command via:	
	Ribbon	File – Help
	Context menu of	None
	Shortcut key	None
	Icon	

Purpose To get information on working with dSPACE Help.

Result dSPACE Help opens. It provides information on general handling and instructions on using dSPACE Help.

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