

**R** Integrate a Tool as a Workflow Component

### Choose Tool Configuration

Create a new tool configuration or choose an inactive one to activate

☐ Create a new Common tool configuration

☐ Create a new CPACS tool configuration

☒ Create a new tool configuration from a template


CPACS Tool (Type: CPACS)

CPACS Tool with incoming and return directory (Type: CPACS)

CPACS Tool with return directory (Type: CPACS)

☐ Choose an inactive tool configuration to edit:

Selected tool configuration:



Choose the CPACS template with return directory

**Integrate a Tool as a Workflow Component**

### Tool Description

Define some information for the tool

**Tool characteristics**

Name\*:

Icon path:  ... ☒ Copy into configuration folder

Group name:  ...


Documentation:  ...

Description:


**Contact Information**

Name:

E-Mail:



Add the tool information

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Inputs and Outputs

Configure the inputs and outputs of the tool


InputsOutputsVerification

Input	Data type	Handling	Constraint
CPACS initial	File	Single (consumed), Queu...	Required

Add...

Edit...

Remove



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Next >

Save As ...

Save and update

Cancel

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Tool Properties

Define properties of the tool

Property groups:

Default

Add...

Rename...

Remove

Property keys for group "Default":

Key	Display name	Default value
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Add...

Edit...

Remove

☐ Write key-value properties file at runtime (in "Config" folder)

working/Config/

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Save As ...


Save and update

Cancel

No properties are required for this tool

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Launch Settings

 Currently, only one launch setting is possible

Host	Tool directory	Version	Working directory	<div>Add...</div> <div>Edit...</div> <div>Remove</div>
RCE	D:\Tools\myTool	0.9	RCE temp directory	

☐ Use a new working directory on each run

Tool Copying Behaviour

☐ Do not copy tool

☒ Copy tool to working directory once

☐ Copy tool to working directory on each run

Clean up choices for working directory(ies) in workflow configuration\*

☐ Never delete working directory(ies)


☒ Delete working directory(ies) when workflow is finished

☐ Keep in case of failed workflow run

☐ Delete working directory(ies) after each run of the tool

☐ Keep in case of failed tool run

\*Defines the user's choices when configuring the component



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Cancel

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### CPACS Tool Properties

Configuration of CPACS tool specific values

**Input/Output Mappings**

Incoming CPACS endpoint name\*: CPACS initial

Input mapping file\*: mappingInput.xml

Tool input filename\*: ToolInput/cpacs\_in.xml

Tool output filename\*: ToolOutput/cpacs\_out.xml

Output mapping file\*: mappingOutput.xml

CPACS result filename\*: cpacsResult.xml

Outgoing CPACS endpoint name\*: CPACS out

**Tool Specific Mapping**


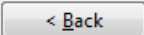
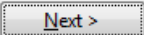
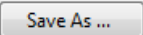
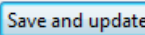

☐ Merge static tool specific input

Tool specific input file:

Tool specific input mapping file:

**Execution Options**

☐ Only run on changed inputs

Specify the input and output CPACS names

**Integrate a Tool as a Workflow Component**

**Execution**

Configure the execution command and optionally a pre execution, post execution, and tool run imitation script

Execution command(s) Pre execution script Post execution script Tool run imitation script

☒ Command(s) for Windows ☐ Command(s) for Linux

1 D:\Programs\Conda\envs\python3\_std\python.exe  
run.py

1

Inputs  
CPACS initia Insert

Properties  
Insert

Directories  
Config dir Insert

Note: Command(s) executed as batch file Note: Command language is Bash

Execution Options

☐ Exit code other than 0 is not an error

Execute (command(s), pre execution/post execution/tool run imitation script) from

☐ Working directory

☒ Tool directory

Tool run imitation mode

☐ Support tool run imitation

Dummy tool output filename: ImitationMode/dummyOutput.xml

? < Back Next > Save As ... Save and update Cancel

Point to the correct python interpreter to run your tool