

000

metanode or component click the plus on the left side for

additional input ports, and the plus on the right side for

additional output ports.

workflows but also shared with others: via KNIME Business Hub or KNIME Community Hub. They can also represent web pages in a Data App deployed to others via KNIME Business Hub. Flow Variables cannot enter or exist a component, unless explicitly configured in the component's input and output nodes.

⊘⊗ t_t

000

becomes inactive & vice versa. It's often used to force

a branch to produce an output even if it's inactive &

vice versa (to deactivate a branch even if it's active)

Open for Innovation **KNIME**

Orchestration



Call Workflow Service: Triggers the execution of a workflow stored in the LOCAL workspace or on KNIME Business Hub. Data exchange with the triggered workflow can happen via any port type via the Workflow Service Input/Output nodes.

Workflow Service Input: Receives data via any port type from the caller workflow via the Call Workflow Service node. Enables an efficient data exchange between workflows only, excluding third-party software. The corresponding "Workflow Service Output" node returns the results to the caller workflow

Call Workflow (Table Based): Triggers the execution of a workflow stored in the LOCAL workspace or on KNIME Business Hub. Data exchange with the triggered workflow can happen via data tables, flow variables, or credentials via the Container Input/Output (Table), (Variable), or (Credentials) nodes.

Container Input (Table): Receives a data table from Container Input (Table) the caller workflow or from a third-party software If no input is provided, the template default data table is used. Similar nodes are available to exchange flow variables & credentials. The corresponding "Container Output (Table)" node returns the results as a data table.

> Call Workflow (Row Based): Triggers the execution of a workflow stored in the LOCAL workspace or on KNIME Business Hub. Data exchange with the triggered workflow happens via JSON format via the Container Input/Output (Row) or (JSON) nodes.

Container Input (JSON): Receives a JSON data structure from the caller workflow or from a third-party software. If no input is provided the template default JSON structure is used. The corresponding "Container Output (JSON)" node returns the results as a JSON structure.

GET Request: Calls a REST service in GET mode The node can send one single service request set in the configuration window, or multiple service requests stored in a column of the input table Responses are saved in the output data table Options to set authentication, request header, & response header are available.

KNIME Serve 000





Save Workflow

000

000



000



KNIME Server Connector Connects to a KNIME Server using the server URL & credentials. After the connection has been created, new directories on the server can be created & remote files can be accessed, created, & deleted

Timer Info: Reports the number of executions & execution times for each node in a workflow. Both single node & total workflow execution time are reported. Execution times for nodes inside metanodes can also be reported.

Send Email: Sends HTML or text formatted emails using an external SMTP to a recipient including the message & possible attachments.

Save Workflow: Saves the (also partially - up to here) executed workflow.

Create Directory: Creates a new folder and outputs the folder location as a flow variable of type Path

Create File/Folder

Variables: Creates a list of Path type Flow Variables pointing to files/folders relative to a selected base location

Node ports

000

Different types of data pass through different node ports. Only ports of the same type can be connected. Here are some examples of ports for frequently used data types.



Resources

• KNIME Press: Access various data science books and other cheat sheets at knime.com/knimepress.including beginner and advanced topics. KNIME blog: Engaging topics, challenges, industry news, & knowledge nuggets at knime.com/blog. • Self-paced courses: Take our free online self-paced courses to learn about data analysis, data engineering, or data science with KNIME (with hands-on exercises) at knime.com/learning. · KNIME Community Hub: Browse and share workflows, nodes, and components or access collection pages for dedicated topics at hub.knime.com KNIME Forum: Join our global community & engage in conversations at forum.knime.com • KNIME Business Hub: For team-based collaboration, automation, management, & deployment check out KNIME Business Hub at knime.com/knime-business-hub

KNIME Press

Extend your KNIME knowledge with our collection of books from KNIME Press. For beginner and advanced users, through to those interested in specialty topics such as topic detection, data blending, and classic solutions to common use cases using KNIME Analytics Platform - there's something for everyone. Available for download at www.knime.com/knimepress.





