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Workflow Dependencies

The Workflow Dependencies dialog is a utility that allows the user to control input and output paths as well as dataset specifications throughout the entire workflow from one location. Tools can be grouped by paths and paths can be set to be All Relative, All Absolute or edited individually. This allows for great flexibility when sharing, distributing and deploying workflows across an organization.

Included Tools

The Workflow Dependencies control is accessed from the [Edit](#) menu. Each tool whose configuration is dependant on a data file or data set can be edited from this dialog. This includes the following tools:

[Input Data](#), [Output Data](#), [Dynamic Input Tool](#), [Run Command Tool](#), [Directory Tool](#), [Spatial Match](#), [Email Tool](#) **Calgary tools:**

- user can edit any part of a file path including location, directory, name, file type, relational database connections, tables, queries, etc.

[Render Tool](#): user can edit any part of the file path including location, directory, name, or file type.

[Geocoder Tool](#): user can choose any installed Alteryx Geocoder dataset to use for geocoding.

Any tool that might calculate drivetime ([Trade Area](#), [Distance](#), [Find Nearest](#)): user can choose any installed Drivetime dataset to use for drivetime analysis.

Allocate tools ([Allocate Input](#), [Allocate MetaInfo](#), [Allocate Append](#), [Allocate Report](#)): user can choose any installed Allocate dataset to use for demographic data retrieval. Geography and variable selections will be maintained in the workflow.

Macros that are not found in the default Macro directory: **[\Program Files\Alteryx\bin\RuntimeData\Macros](#)**

- Macros that are saved to the default Macro directory are NOT included in Workflow Dependencies.

Not Included Tools

The following tools can not be edited from Workflow Dependencies. If their configuration needs to be edited prior to packaging or scheduling, please do so from the tool configuration.

[SharePoint Input](#); [SharePoint Output](#); [Mongo Input](#); [Mongo Output](#); [Salesforce Input](#); [Salesforce Output](#)

Other Inclusions

The following are viewable from Workflow dependencies, although you cannot edit them here:

Analytic App/Macro [Questions](#) that reference a dataset.

Tools that use a non-configurable data set: [CASS](#) and [US ZIP + 4 Coder](#) both require a dataset, but Alteryx will always use the Most Recent Vintage.

Views


The Workflow Dependency dialog displays a grid in the main window showing all of the inputs, outputs and datasets the workflow needs to run. There are two views available to the user to display this information and the control can be toggled back and forth. Choices are:


Paths

Paths can be handled with a single click from the Workflow Dependencies dialog.

Editing Dependencies

When either view is displayed, the user can easily update the dependencies for each tool or group by clicking the **Edit** button on the left side of the grid. The Workflow Dependency Properties dialog box displays:

Directory: displays the full path of the data source dependency as it is configured in the workflow. The user can either type in this box to change any component of the path or use the  button to browse to another location for the file in question.

Table/Query: displays the table name or query specified for the data source dependency. This may only be populated if the data source in question is a relational database. The user can update this information by typing in the box or by setting a new connection using the  button in the setting above for Filename/Connection.

Test Error: displays an error associated with the data source connection, if there is one.

Tool Selection: displays the tool(s) the properties apply to. This area is disabled (greyed out) in individual mode. In Grouped mode the user can choose which tools to apply the change to by checking or unchecking the box to the left of each tool in the group. Additionally the options of select All or Clear all are applied by the buttons on the right.

Relative: Makes the file dependency a relative path to the workflow location.

- **Example: ..\SampleData\Pet Stores_wData.TAB**

Absolute: Makes the file dependency an absolute path to the file location.

- **Example: C:\Program Files\Alteryx\bin\RuntimeData\Samples\SampleData\Pet Stores_wData.TAB**

UNC: Changes the file dependencies to a Uniform Naming Convention, where any mapped drive is renamed to the location of a network resource, such as a shared file or directory.

- **Example: \\Computer Name\C\Program Files\Alteryx\bin\RuntimeData\Samples\SampleData\Pet Stores_wData.TAB**

Test: tests the connection and reports an error in the Test Error box if the connection is bad.

The workflow path is displayed at the bottom of the Workflow Dependency Properties dialog for reference.

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