# Resource Utilities Plugin

## Introduction

This plugin provides steps that facilitate operations across sections of the resource tree. It is intended that this plugin will supplement the existing functions provided by the IBM supplied plugin called ‘IBM UrbanCode Deploy Resources‬’. The resource utilities plugin steps documented here are to be found in a folder called ‘Utilities’ under the IBM UrbanCode Deploy/Resources folder in the component process step palette.

The functions provided in this plugin are:

List resources – display information about the hierarchy of resources from a specific root point.

Find resources with properties that have missing values – display resources for which there are resource properties or resource role properties with missing values.

Search and report property values – Find resources with resource properties or resource role properties of a specific name and report the value of the property.

## List Resources

Display information about the resources under a specified resource in the tree. Optionally list information about each resource.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Description | Required |
| Resource tree root | Text box | The resource tree node from which the list is to be generated | Yes |
| Name filter | Text box | Restrict the resources reported to just those that contain the filter word | No |
| Path type | Select Box | The method for reporting the path of a resource:  Relative – Display a path relative to the resource tree root  Full – Display a full resource tree path from the resource tree root. | Yes |
| Include properties | Check box | Include resource and resource role properties | No |
| Include security | Check box | Include security and impersonation properties | No |
| Include further details | Check box | Include other properties such as description, status, type, etc. | No |
| Output filename | Text box | The name of a file to hold the generated output | No |
| Output to window | Check box | Include results of the command in the step results command window | No |

Notes

* One of the fields ‘Output filename’ or ‘Output to Window’ must be specified otherwise the generated content will not be displayed anywhere.

## Find Resources with properties that have missing values

Display resources for which there are resource properties or resource role properties with missing values.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Description | Required |
| Resource tree root | Text box | The resource tree node from which the list is to be generated | Yes |
| Name filter | Text box | Restrict the resources reported to just those that contain the filter word | No |
| Path type | Select Box | The method for reporting the path of a resource:  Relative – Display a path relative to the resource tree root  Full – Display a full resource tree path from the resource tree root. | Yes |
| Resource properties | Check box | Look for resource properties with missing values | No |
| Resource role properties | Check box | Look for resource role properties with missing values | No |
| Output filename | Text box | The name of a file to hold the generated output | No |
| Output to window | Check box | Include results of the command in the step results command window | No |

Notes

* One of the fields ‘Output filename’ or ‘Output to Window’ must be specified otherwise the generated content will not be displayed anywhere.
* One of the options ‘Resource properties’ or ‘Resource role properties’ must be selected otherwise there is nothing to look for.

## Search and report property values

Find resources with resource properties or resource role properties of a specific name and report the value of the property.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Type | Description | Required |
| Resource tree root | Text box | The resource tree node from which the list is to be generated | Yes |
| Name filter | Text box | Restrict the resources reported to just those that contain the filter word | No |
| Path type | Select Box | The method for reporting the path of a resource:  Relative – Display a path relative to the resource tree root  Full – Display a full resource tree path from the resource tree root. | Yes |
| Search term | Text box | The property name (or part of property name) to find | Yes |
| Output filename | Text box | The name of a file to hold the generated output | No |
| Output to window | Check box | Include results of the command in the step results command window | No |

Notes

* One of the fields ‘Output filename’ or ‘Output to Window’ must be specified otherwise the generated content will not be displayed anywhere.