# Integrations

## Summary

Nuix Automation will be providing the front end that will provide integrations to the other products. In order to do this integrations were written and are broken down into 2 types:

Authenticated Web Calls

Whilst these items are using the ‘bulkScript’ icon in the demo environment these are simple and benign authenticated web calls. They provide a means to activate a basic activity in another product.

Scripts

Scripts are fully custom and unsupported aspects of this environment and are supplied to demonstrate that utilities existing inside our GitHub and community can play a part of a workflow.

Stubs

Non-Functional eye candy. The workflow pauses for a few seconds to emulate real behaviour that is yet to be added.

## Evaluated On Demand

Most of the scripts and stubs below will support the following syntax:

${currentCase.getName()}

If used as the value for one of the fields will be calculated upon use. This is handy for something like the sending of emails with a custom message/summary of the case. Another possibility is to do something like targeted NDF profiles where you use it as the value for a communication field:

${getGroupMembers("CN=Domain Users,CN=Users,DC=NuixDemo,DC=local","email",",")}

getGroupMembers is provided by a dsquery request. Install dsquery via the steps here:

<https://www.prajwal.org/install-rsat-tools-on-windows-server-2019/>

## Authenticated Web Calls

### DISCOVER\_Clone\_Case.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| organisation | TRUE | Organisation Name | Consilio |
| caseToClone | TRUE | Name of the Case that belongs to the organisation above | Standard Case |

Depends on

* Credentials for Discover API ([Apply Credentials](#_Apply_Credentials))

### DISCOVER\_Assign\_Users\_To\_Case.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| user.category | FALSE | Discover category types | Group Leader |
| user.names | FALSE | userID or names separated by ;  If not supplied will default to the api token user ‘me’ | User1;123;jane doe |
| discover.orgName | FALSE | When selecting user names optionally enforce a particular organisation | support |

Depends on

* Requires a case to be cloned somewhere in the workflow before this action is run.
* Credentials for Discover API ([Apply Credentials](#_Apply_Credentials))

### DISCOVER\_Promote\_To\_Discover.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| productionSet.name | TRUE | Nuix Case -> Production Set Name | Production Set 1 |
| discover.caseId | FALSE | If a case is cloned in the workflow that will be used. Otherwise this field will be required. | 612 |

Depends on

* Requires a Nuix Case that has a Production Set created
* Recommends a case to be cloned somewhere in the workflow before this action is run.
* Credentials for Discover API ([Apply Credentials](#_Apply_Credentials))

Description

The reason for including this script in the workflow is because Nuix Automation does not currently expose the Promote to Discover function.

### GENERIC\_DeleteDirectory.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| directory | TRUE | A folder relative to the export location | PopulateStores |

Depends on

* A folder to delete

This was included largely because the populate stores feature is NOT available, so it is necessary to perform an ITEM EXPORT, this cleans up that action.

### ECC\_Collection\_By\_Target\_With\_Configuration.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| case.name | TRUE | ECC Case Name | Research Case |
| configuration.name | TRUE | The configuration that bundles the settings for the collection | Research |
| target.name | TRUE | The specific target being used for the collection | WIN-AU-SYD-001 |
| collection.name | FALSE | Uses (case name + seconds from epoch) if not supplied.  Collection name must be unique | Collection one |

Depends on

* Credentials for ECC REST API ([Apply Credentials](#_Apply_Credentials))

### ECC\_Collection\_By\_Computer\_With\_Configuration.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| case.name | TRUE | ECC Case Name | Research Case |
| configuration.name | TRUE | The configuration that bundles the settings for the collection | Research |
| computer.name | TRUE | A regex filter to match computer names OR a semi colon delimited list | /^AUSYD-W-INO-.\*$/  AUSYD-W-INO-041; AUSYD-W-INO-042; |
| collection.name | FALSE | Uses (case name + seconds from epoch) if not supplied.  Collection name must be unique | Collection one |

Depends on

* Credentials for ECC REST API ([Apply Credentials](#_Apply_Credentials))

### GENERIC\_SendMail.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| to | TRUE | Comma delimited to | [Cameron.stiller@nuix.com,cameron.stiller@somewhere.com](mailto:Cameron.stiller@nuix.com,cameron.stiller@somewhere.com) |
| subject | TRUE | Email Name | Hello From Nuix Automation |
| body | TRUE | Text blob that can include scripting elements. | Hello!  “${currentCase.getName()}” had an email sent. |

Depends on

* Credentials being set

This functionality is not provided by Nuix Automation to be run mid-workflow as an activity so this script was provided to create that ability.

### NUIX\_Export\_View.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| name | TRUE | Name of file | myReport |
| query | TRUE | Nuix Query | flag:audited |
| metadataProfileName | TRUE | Existing Metadata Profile | Context |
| extension | FALSE | Default is xlsx | xlsx or csv etc |

This functionality is not provided by Nuix Automation to be run mid-workflow as an activity so this script was provided to create that ability.

### AUTOMATION\_Add\_To\_Queue.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| workflowName | TRUE | Name of workflow | Default Ingestion |
| notify | FALSE | Recipients of notification | cameron.stiller@nuix.com,this.guy@somewhere.com |
| caseName | FALSE | If not provided will run against all cases | My Case Name |

Depends on

* Credentials being set

This functionality is not provided by Nuix Automation to be run as part of a workflow, so this script was provided to create that ability. Example use could be a recurring job schedule or an operation against all cases in inventory.

### NUIX\_ChooseNDFProfile.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| ndf.profileName | TRUE | The name portion of the NDF profile (in JSON format) that exists on the user-data | testNDFProfile |

Depends on

* A Nuix Case PRIOR to ingestion

This was included to assign an NDF profile dynamically in the workflow. Ingestion dialog allows choosing a processing profile, please select “Nuix Data Finder” as the processing profile to apply.

**NUIX\_CreateNDFProfile.rb**

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| responsiveReturn | TRUE | Select what items to return as responsive | "RESPONSIVE\_ITEM\_FAMILY"  "RESPONSIVE\_ITEM\_ONLY" |
| responsiveContent | TRUE | Control whether a Responsive Item's Binary and/or Text can be preserved | "NO\_CONTENT",  "TEXT\_ONLY",  "BINARY\_ONLY",  "TEXT\_AND\_BINARY" |
| encryptedItemsResponsive | TRUE | During processing items may be encountered that can be corrupted or encrypted. If detected should these be kept | true  false |
| personNameExtraction | TRUE | Select whether to identify person names from within the Metadata and Text of Responsive Items. | true  false |
| identifyEntities | TRUE | Select whether to identify the defined Entities from within the Metadata and Text of Responsive Items | true  false |
| entityExtractionScope | TRUE | Select whether to identify the below defined Entities from within the Metadata and Text of Responsive Items | "PROPERTIES\_ONLY",  "TEXT\_ONLY",  "PROPERTIES\_AND\_TEXT" |
| ocrItems | TRUE | Perform up-front OCR Processing | true  false |
| processNonResponsive | TRUE | Select this to keep items that are non responsive to the criteria | true  false |

Depends on

* A Nuix Case PRIOR to ingestion

This was included to CREATE an NDF profile dynamically in the workflow. Ingestion dialog allows choosing a processing profile, please select “Nuix Data Finder” as the processing profile to apply.

Please see next page for INDEXED parameters.

When included replace.#. with a number to group fields.

i.e.

entity.0.name=

Indexed Parameters for Create NDF Profile

Entity

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| entity.#.name | TRUE | Name of the Entity to show in Nuix Case | Money |
| entity.#.pattern | TRUE | The regular expression to match | \$[0-9]+\.[0-9]{1,2} |
| entity.#.group | TRUE | When shown in Nuix Entities, the group which this is assigned | General |
| entity.#.description | TRUE | A Description provided to the entity | Currency in the form of $0.00 |

Responsive Criteria

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| responsiveCriteria.#.field | TRUE | Which Field should the criteria be matched against | "filePath","itemDate",  "itemDate","keyword",  "regex","itemKind",  "itemMimeType","md5",  "to","from","cc","bcc","deleted",  "encrypted","file\_data",  "toplevelitem","file\_size",  "binary\_length","query" |
| responsiveCriteria.#.operator | TRUE | Define an operator to work on the field | "begins\_with",  "between",  "contains",  "ends\_with",  "equal","greater",  "greater\_or\_equal",  "in",  "less",  "less\_or\_equal",  "matches",  "not\_between",  "not\_contains",  "not\_equal",  "not\_in",  "not\_matches" |
| responsiveCriteria.#.value | TRUE | The field operator compares this value. | String  DD/MM/YY  Number |

### NUIX\_NRT\_Case\_Summary.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
|  |  |  |  |

Depends on

* A Nuix Case
* NRT is currently non-functional, bug reported

Nuix Automation does not have a NRT specific activity yet. This was written to provide that activity which is already supported in workstation

### NUIX\_NRT\_Investigator\_Report.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
|  |  |  |  |

Depends on

* A Nuix Case
* NRT is currently non-functional, bug reported

Nuix Automation does not have a NRT specific activity yet. This was written to provide that activity which is already supported in workstation

## Scripts

### GENERIC\_BackupEnvironment.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| includeDefault | TRUE | When set to false will skip any workflows/profiles that include the word “Default” | true/false |

Depends on

* Credentials for Discover API ([Apply Credentials](#_Apply_Credentials))
* Credentials for ECC REST API ([Apply Credentials](#_Apply_Credentials))
* Valid configured environment

Description

Used to backup the current environment into a subfolder of scripts.

This script should NOT be considered supported for production ready use.

### GENERIC\_RestoreEnvironment.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| keepImmutable | FALSE | When set to true will restore workflows with the ‘lock’ for protection. Default if not set is false | true/false |

Depends on

* Credentials for Discover API ([Apply Credentials](#_Apply_Credentials))
* Credentials for ECC REST API ([Apply Credentials](#_Apply_Credentials))
* Valid configured environment

Description

Used to Restore the current environment from subfolders of script directory. Will restore workflows and profiles.

This script should NOT be considered supported for production ready use.

### NUIX\_Determine\_Custodians.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
|  |  |  |  |

Depends on

* Windows File system based data OR mail data that includes a sent items folder

Description

Basic logic that will determine a custodian based on the paths that the items are based in. This is not a complex script and is included as an example of a real script someone may wish to run.

This script should NOT be considered supported for production ready use.

### NUIX\_Translate\_With\_Systran.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| query | TRUE | A valid query to find items that need translation | -lang:eng content:\* |

Depends on

* Requires a Nuix Case that has audio present
* The example query is such that if the text is too small to be detected as English these items will also be sent for translation.

### NUIX\_ExportPDFwithImagingProfile.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| query | TRUE | A valid query to find items that need translation | tag:export |
| exportFolderName | TRUE | Name of path to export | myFolder |
| imagingProfile | TRUE | An imaging profile which includes sets of instructions and rules | myProfile |
| regenerateStored | TRUE | Replace existing pdf | TRUE |

Depends on

* Can be used to populate the pdf store using a specific imaging profile.
* Useful for slip-sheet activities or custom imaging logic like language settings.

### NUIX\_Determine\_OCR\_Candidates.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
|  |  |  |  |

Depends on

* Nuix Case
* Large images
* PDF’s with low level of text

Description

It is the authors opinion that the OCR feature for Engine should include such an identification inclusion. To compete with the market this was added and is based on the repository that has been downloaded and encouraged by support for many years:

<https://github.com/Nuix/OCR-Candidates>

### NUIX\_LightDedup.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
|  |  |  |  |

Depends on

* Processing done with listOnly Processing profile

Description

The listOnly processing profile extracts only file system metadata, size and name. This does not include a md5. To deduplicate with listOnly this script is used. This is based on the existing script found here:

<https://github.com/Nuix/Light-Index-Dedupe>

### NUIX\_TagEmptyDirectories

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
|  |  |  |  |

Depends on

* Processed evidence

Description

This script will use the tag “Trivial|filesystem|EmptyDirectory” and apply it to any directory that has all of it’s descendants already tagged OR it has no descendants. For ROT and ECA work this is incredibly helpful.

### NUIX\_CreateNLPProfile.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| apply\_results\_to\_custom\_metadata | FALSE | Set custom metadata | true/false |
| apply\_named\_entities | FALSE | Assign entities | true/false |
| apply\_results\_to\_properties | FALSE | Append to properties | true/false |
| apply\_tags | FALSE | Assign tags | true/false |

Depends on

* Nuix Case
* Items with Text

Description

This is the current internal demonstration of the NLP technology. This will validate the credentials to the connections. To apply this profile the processing profile for NLP will need to be selected.

This is based on the repository here:

<https://github.com/Nuix/nuix-nlp>

### NUIX\_SmokeTest.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
|  |  |  |  |

Depends on

* An existing case

Description

Integrity or smoke test is an activity people like to run after migrating a case. It’s provided in the demo environment to show the benefits of the bulk scheduler. If the server is upgraded later this will be the fastest way to migrate all cases in the Inventory.

This has been included from:

<https://github.com/Nuix/Smoke>

## Stubs

### NUIX\_Bulk\_Redact.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| query | TRUE | A query to match some items | has-stored:pdf |
| entity | TRUE | The entity to be redacted | credit-card |
| markupName | TRUE | The markup name to be created OR added to for this redaction | MyMarkup |

Depends on

* Requires a Nuix Case that has PDF’s populated

Description

The reason for including this script in the workflow is because the Engine API does not currently expose the Bulk Redaction function, this script is currently non-functional and is only used a visual element for discussion with a customer. There is a bulk redaction in the github collection which will be considered for final workflow if is deemed required.

This script should NOT be considered supported for production ready use.

### NUIX\_Determine\_Transcription\_Candidates.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
|  |  |  |  |

Depends on

* Requires a Nuix Case that has audio present

Description

This is currently a placeholder for any activity that may be required for transcription.

This script should NOT be considered supported for production ready use.

### NUIX\_Transcribe\_With\_Speechmatics.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| Query | TRUE | A valid query to find audio files | tag:audiocandidates |

Depends on

* Requires a Nuix Case that has audio present

Description

This is currently a placeholder for any activity that may be required for transcription.

This script should NOT be considered supported for production ready use.

### sleepTest.rb

Input

|  |  |  |  |
| --- | --- | --- | --- |
| key | required | Description | Example |
| Time | TRUE | How many seconds to sleep for | 10 |

Depends on

* No dependencies

Description

This is currently a placeholder, you could use it to represent any activity not currently in workflow. Add the sleep and rename the script as appropriate.