CAST Action Plan Generation Tool

# Installation

1. [Download Python | Python.org](https://www.python.org/downloads/) (if not already done).

**Note: The tool was tested using python version 3.10**

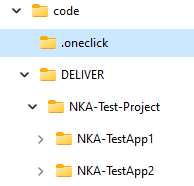
1. Open a command prompt, hold down windows key and press r, then type cmd enter.
2. From the command prompt type, “pip install com.castsoftware.uc.oneclick”
3. Create a folder, OneClick and unpack the contents of this zip file 

# Environment

OneClick is designed to perform a due diligence assessment from beginning to end for one or more applications in a project. This includes:

1. Code discovery
2. Run CAST MRI Analysis
3. Run CAST Highlight Analysis
4. Generate Action Plan
5. Generate Due Diligence Assessment Report

To work properly the tool will need access to CAST AIP Console, CAST Highlight Rest API, Highlight Agent, Highlight CLI, and CAST MRI Rest API. The tool expects the working folder structure to be:

* code is the base folder referred to in the --baseFolder parameter.
* .oneclick is generated by the tool containing all of the project configuration files.
* DELIVER holds all the delivered code organized by project and application. The tool is expecting one folder for each application, this name will be used to represent the application going forward.

# Running the tool

## Command Line Arguments

OneClick has two types of arguments, the first are used to run the tool and the second to update the project configuration file. To properly run the tool, it requires a JSON file to be configured for each project. This file can be manually configured or using the tool.

### Parameters

Configuration Parameters fall into five categories, AIP, AIP Console, Highlight, Database and Settings. In addition, there are two required parameters, -b and -p. These parameters are used to identify the project and location the deliver folder.

Required Parameters:

|  |  |  |
| --- | --- | --- |
| Name | Example | Description |
| -b --baseFolder | D:/code | The location of the folder containing the deliver folder |
| -p --projectName | None | The name of the project being worked on. (This field must match one of the folders in the deliver folder) |
| --config |  |  |

AIP REST API Parameters:

|  |  |  |
| --- | --- | --- |
| Name | Example | Description |
| --aipURL | http://localhost:8087/rest/ | The --hlURL URL to the AIP REST API |
| --aipUser | None | Username used access the REST API |
| --aipPassword | None | Password used to access the REST API. This password will be encrypted before being added to the project configuration file. |

AIP Console:

|  |  |  |
| --- | --- | --- |
| Name | Example | Description |
| --consoleURL | http://localhost:8081/ | The AIP Console URL |
| --consoleKey | None | The console key is to access AIP Console and treated like a password. It will be encrypted before being added to the project configuration file. |
| --consoleCLI | None | The location of the “aip-console-tools-cli.jar” |
| --consoleNode | None | The default node to run the application on |

Highlight:

|  |  |  |
| --- | --- | --- |
| Name | Example | Description |
| --hlURL | https://rpa.casthighlight.com/WS2/ | The URL to the Highlight REST API |
| --hlUser | None | Username used access Highlight |
| --hlPassword | None | Password used to access Highlight. This password will be encrypted before being added to the project configuration file. |
| --Instance | None | The Highlight project instance id. This id can be obtained from the URL of the “Manage Applications” page. |
| --HLPerlInstallDir | HighlightAgent/strawberry/perl | Highlight comment line requirement – see Highlight documentation for more information |
| --HLAnalyzerDir | HighlightAgent/perl | Highlight comment line requirement |
| --consoleCLI | D:\\Highlight-Automation-Command\\HighlightAutomation.jar | The location of the highlight command line utility jar file |

Settings:

|  |  |  |
| --- | --- | --- |
| Name | Example | Description |
| --companyName |  |  |
|  |  |  |

1. Open a command prompt, hold down windows key and press r, then type CMD enter.
2. From the command prompt go to the folder created during installation.
3. Once the project is configured OneClick only required two prarameters
   1. -b or –baseFolder
   2. -p --projectName
4. The project can also be configured using the command line

'-b','--baseFolder', required=True, help='Base Folder Location'

'-p','--projectName', required=True, help='Name of the project'

'-c','--companyName', required=False, default='Company Name', help='Name of the project'

'--hlURL', required=False,default='https://rpa.casthighlight.com/WS2/', help='Highlight URL'

'--hlUser', required=False, help='Highlight User'

'--hlPassword', required=False, help='Highlight Password'

'-i','--hlInstance', required=False, help='Highlight Instance Id'

'--hlCLI', required=False, help='Highlight CLI Location'

'--HLPerlInstallDir', required=False, help='Highlight Perl Installation Location (HighlightAgent/strawberry/perl'

'--HLAnalyzerDir', required=False, help='Highlight Perl Installation Location (HighlightAgent/perl'

'--aipURL', required=False, help='AIP API URL'

'--aipUser', required=False, help='AIP API User'

'--aipPassword', required=False, help='AIP API Password'

'--consoleURL', required=False, help='AIP Console URL'

'--consoleKey', required=False, help='AIP Console Key'

'--consoleNode', required=False,default='local', help='AIP Console Key'

'--consoleCLI', required=False, help='AIP Console Key'

'--dbHost', required=False, help='Database Host'

'--dbPort', required=False, help='Database Port'

'--dbUser', required=False, help='Database User'

'--dbPassword', required=False, help='Database Password'

'--dbDatabase', required=False, help='Database Database'

'--JavaHome', required=False, help='Location of the JRE'