# Licorne AIO

**Comprehensive User Manual v1.1**

(Last Revised on 16th November 2012)

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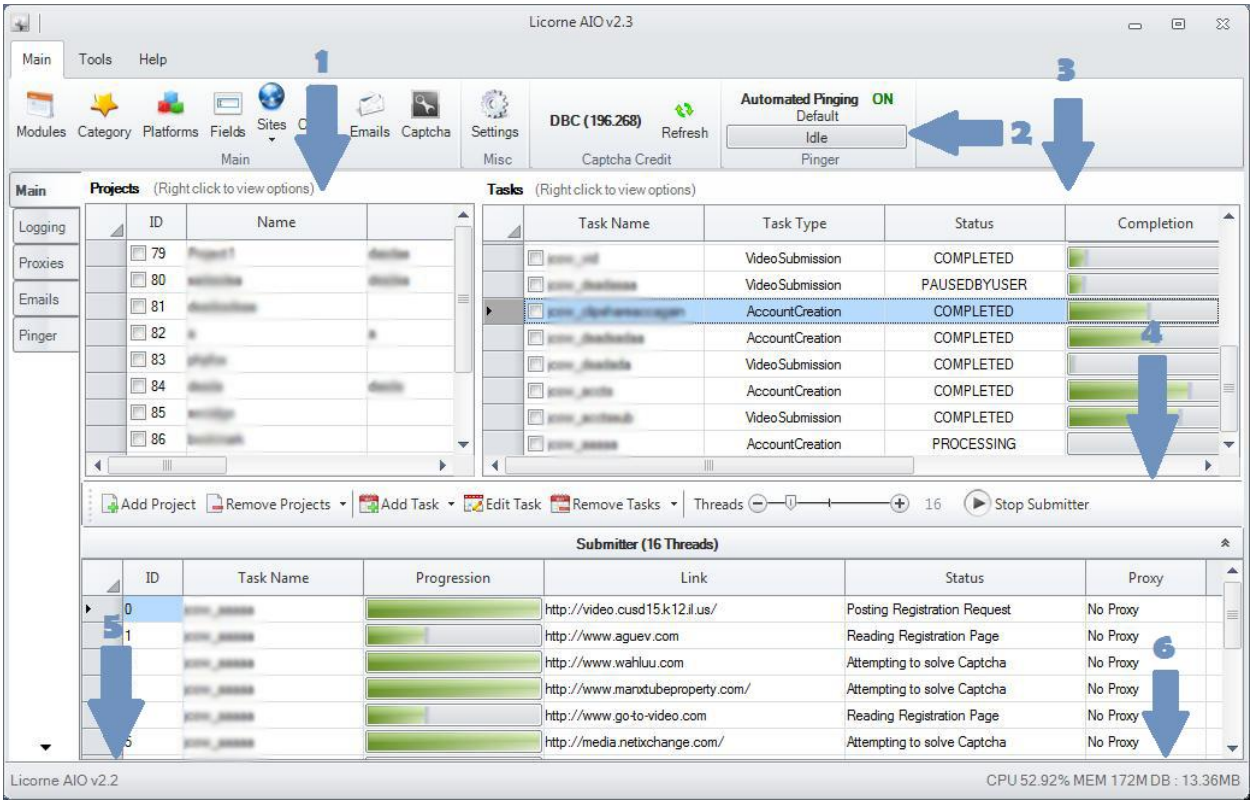
# 1.0 Overview




1. All your projects will be listed here. Click on a project to view the list of tasks under that project. To learn more about creating a new project, refer*SECTION2.1Creating a project*.

2. This is where you can manage various elements in LAIO and also the settings. For more information about the elements in LAIO and their relationship, refer to *SECTION8.0 Graphical representation of various elements in LAIO*. You can also view/refresh your current Captcha credits and also status of the Automated Pinger here.

3. All tasks under selected project will be listed here. To learn more about creating a new task, refer to *SECTION3.1 Creating an account creation task*and *3.3 Creating a submission task*.

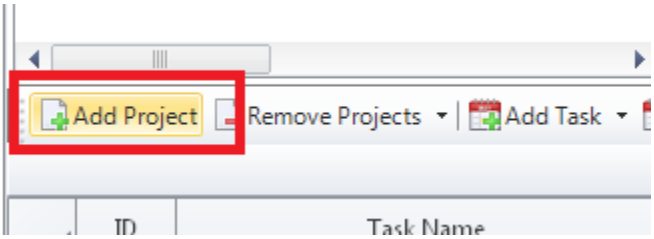
4. This is where you will be starting your submitter. The submitter pane will be shown when your submitter is running and you will be able to view submission activity.

5. Displays LAIO latest version. When there's a new version, the version indicator will be shown in red. Clicking on it will bring you to the forum thread where you get to download the latest version of LAIO.

6. Displays LAIO's CPU and memory usage and also the database size.

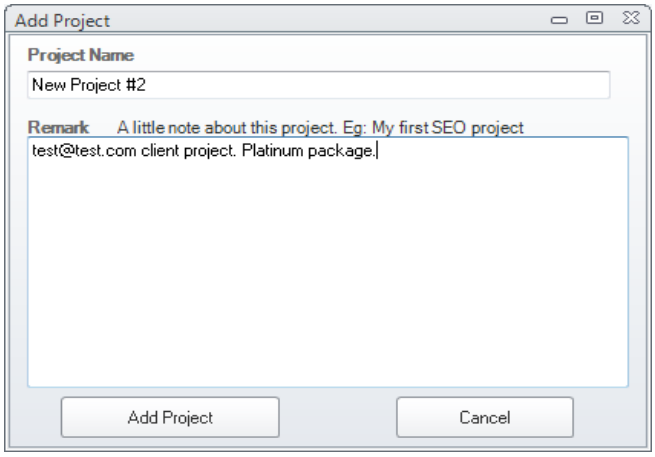
# 2.0 Project

## *2.1 Creating a project*

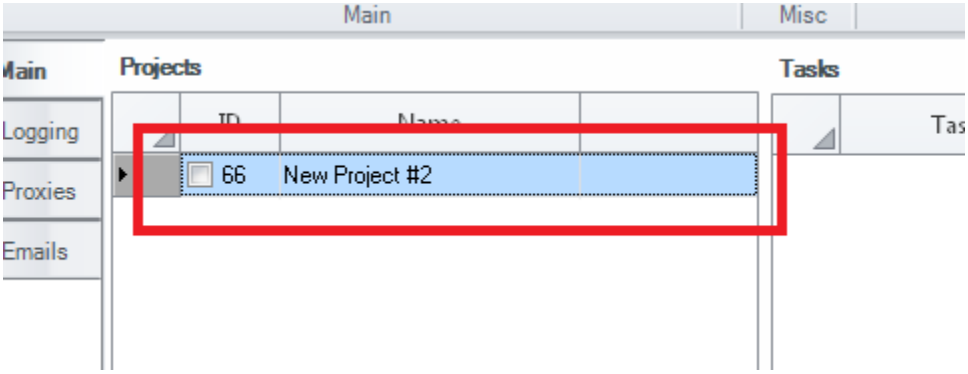



To create a project, click Add Project. A window should appear, asking for the following project details:

- Name - The name of the project
- Remarks (optional) - A brief description of the project




After entering the fields required, click Add Project to complete adding the project. Once the project has successfully been added, you should be able to see the project listed under the list of projects.



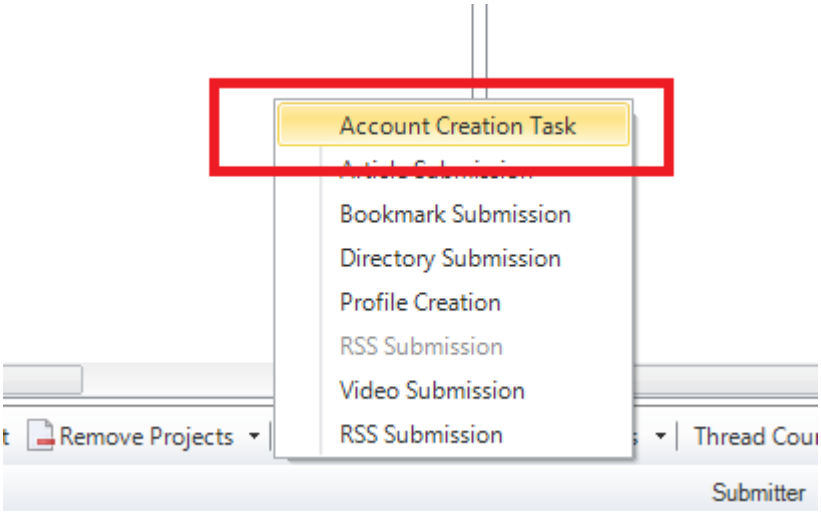
### *2.2 Deleting a project*

When you think a project is no longer required, you are free to delete it. However, be mindful that deleting the project will also delete ALL tasks and submissions associated to the project. To delete a project, click on the project you want to delete and click Delete Selected Project. A message box should appear, asking for delete confirmation, click yes and your project will be deleted from the database.

## 3.0 Task

### *3.1 Creating an account creation task*

Every module in LAIO except Directory and RSS submission module require you to create account before you can submit. To create an account creation task, first select a project, then click Add Task and then click Account Creation Task. The account creation module window should appear.



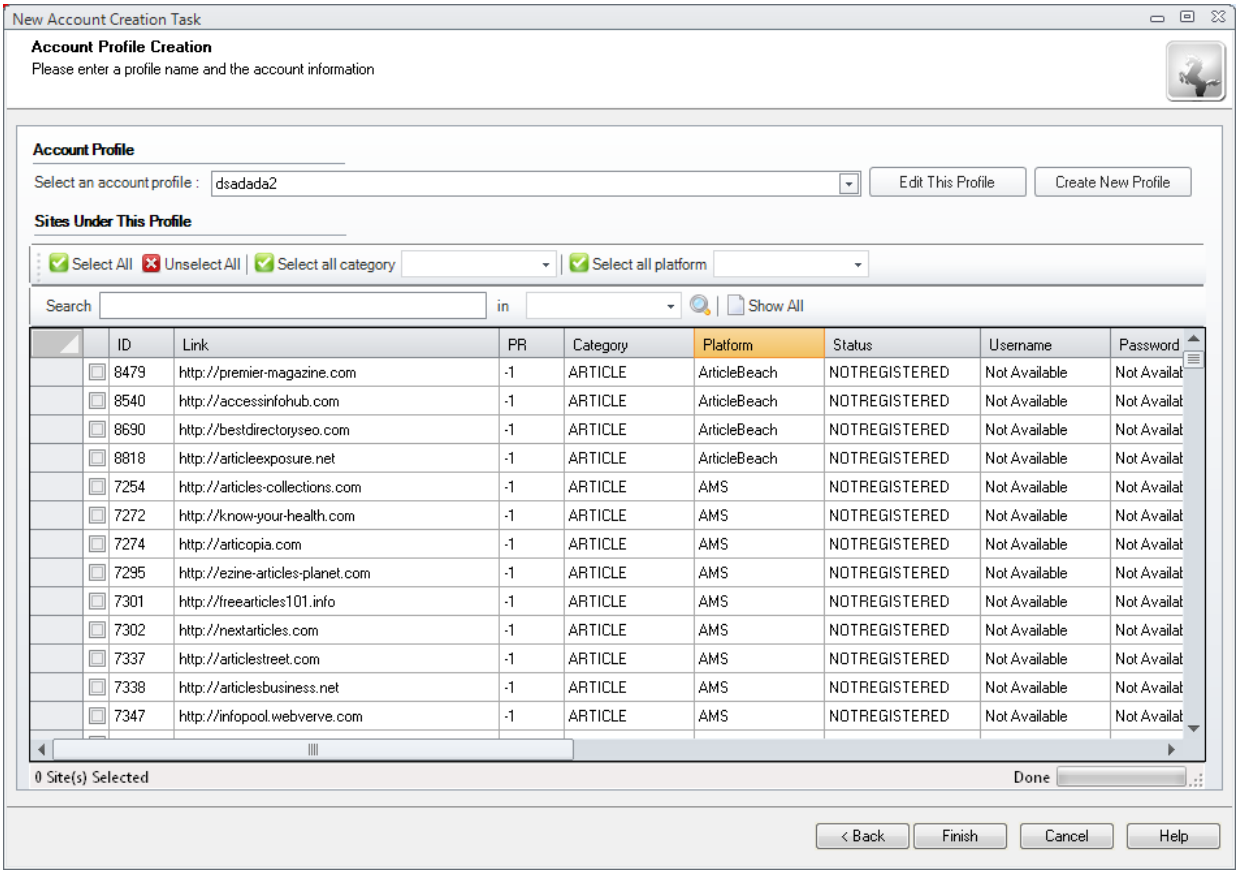

The account creation module will ask for the following information:

- **Task Name (Required)** - The task name will be prefixed with project name, so if your project name is abc, your task name should begin with abc_. You are free to enter anything as your task name as long as it's meaningful enough for you to identify the task in the future.

- **Account Profile (Required)** - An account profile contains the registration information that will be used for registering accounts. If you already have an account profile, you can reuse the existing ones rather than creating a new one. To create a new account profile, click Create New Profile. The New Profile Creation window should appear. The New Profile Creation window will ask for registration information. By default LAIO will generate all fields except Profile Name and Email Address.

After filling up all the required fields, click Create Account Profile.A message box should appear, indicating that your account profile has successfully been created. Your newly created account profile should appear in the list. Select the account profile and the site list should load.

If you are using a decent computer the site list should finish loading within a few seconds or so. Ifthe account profile contains account, LAIO will attempt to load the accounts after it finishes loading the sites. Again, the process should not take longer than 10 seconds, unless you are using a slow computer or you have many accounts in the account profile.




After everything has successfully been loaded, you will be allowed to select the sites to register. You are only allowed to select sites in white background.

To create accounts on a specific category/platform, select the category/platform from the drop down list and click Select all category/platform.

After you have finished selecting the sites, click Finish. The process of saving task information into the database takes some time, and LAIO will become irresponsive when this is happening. If you have selected thousands of sites to register, do expect to wait up to 1 minute for the saving process to complete.

When everything is complete, a message box should appear indicating the task has successfully been added. To start processing the account creation task, click Start Submitter. For more information about starting a submitter, read *SECTION4.0 Submitter*.

In LAIO, there are three types of successful registration and two of them require email activation.

- **RegisteredSuccessfully** – When LAIO sees this footprint in a page, it's indicated that the registration is successful. No email activation is required. Account status is set to REGISTERED.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ☐ | 36438 | http://guided-reading-lesson-plans.com/ | -1 | ARTICLE | Wordpress | REGISTERED | lukashall207 | sOZRgI8fOkgC |
| ☐ | 36439 | http://heathermeglasson.com/ | -1 | ARTICLE | Wordpress | REGISTERED | weswicker6078 | Bu8xtHnOxAyL |

- **RegisteredButRequireEmailActivation** – When LAIO sees this footprint in a page, it's indicated that the registration is successful, but requires email activation before it can be used. Email activator will automatically be triggered. Account status is set to ACTIVATIONREQUIRED.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ☐ | 30981 | http://twiceasgoodky.com/ | 0 | WEB2.0PROPE... | SocialGO | ACTIVATIONREQUIRED | lylecook5740 | mTL6HZtmmO1 |
| ☐ | 30982 | http://www.socialclickplus.com/ | 0 | WEB2.0PROPE... | SocialGO | ACTIVATIONREQUIRED | liamgoff2733 | mTL6HZtmmO1 |

- **RegisteredButRequirePasswordFromEmail**– When LAIO sees this footprint in a page, it's indicated that the registration is successful, but requires password to be retrieved from email before it can be used. Email activator will automatically be triggered. Account status is set to PASSWORDREQUIRED.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ☐ | 36433 | http://www.guestbloger.com/ | -1 | ARTICLE | Wordpress | PASSWORDREQUIRED | lukashall207 | mTL6HZtmmO1 |
| ☐ | 36434 | http://www.greatmobile.net/ | -1 | ARTICLE | Wordpress | PASSWORDREQUIRED | philford2592 | mTL6HZtmmO1 |

## *3.2 Email Activation*

Note :Mailnesia automatically clicks on activation links for you so if you use @mailnesia.com email you do not have to perform email activation.

The email activation in LAIO is automated.Every time LAIO detects RegisteredButActivationRequired or PasswordFromEmail footprint (to learn more about footprint, refer to *SECTION8.6 Footprints*) in a page, it will deem the registration as successful and trigger the automatic email activator.

By default the automatic email activator will wait 10 minutes before it begins the email activation process. You can adjust the wait interval under Settings -> General. However, you should always avoid setting the wait interval too low as you may get temporarily banned from the mail server if you login too frequently in a short amount of time.

When email activation is running, LAIO will retrieve and read emails from the email account from the beginning. LAIO will scan for the followinginemail content:

- **PasswordFromEmail Regex** - LAIO will scan the email content and extract username and password from part of the email that matches the Regex. Adding a PasswordFromEmail Regex is not possible at the moment.

- **ActivationLink footprint** - Every links in the email will be scanned and see if it matches any of the footprints under activationlink footprint. If a link matches one or more of the entries under activation link footprint, LAIO will check and see if the activation link has the same domain as the site. If it has the same domain, LAIO will deem the link as an activation link and will click the activation link.

If the above process is successful, LAIO will change the associated account status to REGISTERED.

## *3.3 Creating a submission task*

To create a submission task, click Add Task and click the type of submission task you want to create. Depending on the nature of the submission, most of the time you will be required to have accounts created before you can perform submission.

Generally, a submission task will ask for the following information:

### 3.3.1 Fields

You will be asked to enter the values for each field which will be filled up by LAIO during submission. Different module will ask different combination of fields. For more information about Article and Bookmark Controls, refer to *SECTION10.1 The Bookmark Control*and *10.2 The Article Control*.

### 3.3.2 Selecting accounts (sites) to submit

When you select an account profile for submission, you may notice a difference in background color for the list of accounts. Each color represents different account status.

- **Green** - The account is registered and is active, you are allowed to select it for submission.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ☐ | 36438 | http://guided-reading-lesson-plans.com/ | -1 | ARTICLE | Wordpress | REGISTERED | lukashall207 | sOZRgI8fOkgC |
| ☐ | 36439 | http://heathermeglasson.com/ | -1 | ARTICLE | Wordpress | REGISTERED | weswicker6078 | Bu8xtHnOxAyL |

- **Yellow** - The account is registered, but requires email activation. Some sites allow you to submit without having you to activate it while some don't. So before you select accounts that require email activation, you have to be certain that the sites allow you to submit without email activation, else the submission is likely to fail.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ☐ | 30981 | http://twiceasgoodky.com/ | 0 | WEB2.0PROPE... | SocialGO | ACTIVATIONREQUIRED | lylecook5740 | mTL6HZtmmO1 |
| ☐ | 30982 | http://www.socialclickplus.com/ | 0 | WEB2.0PROPE... | SocialGO | ACTIVATIONREQUIRED | liamgoff2733 | mTL6HZtmmO1 |

- **Red** - The account is registered, but requires password from email. In this case the account cannot be used until the password is retrieved from email. You should not select this type of account unless you know what you are doing.

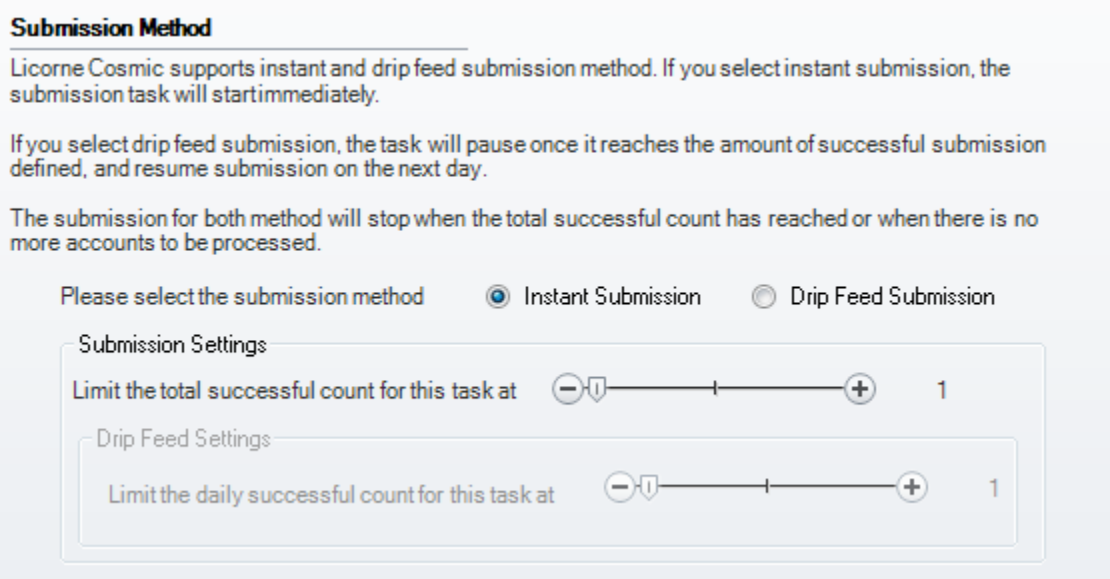
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ☐ | 36433 | http://www.guestbloger.com/ | -1 | ARTICLE | Wordpress | PASSWORDREQUIRED | lukashall207 | mTL6HZtmmO1 |
| ☐ | 36434 | http://www.greatmobile.net/ | -1 | ARTICLE | Wordpress | PASSWORDREQUIRED | philford2592 | mTL6HZtmmO1 |

- **Gray** - The account is not meant for this module, and you are not allowed to select it.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| ☐ | 30812 | http://eudorabb.qualcomm.com | 5 | FORUM | vBulletin | REGISTERED | lylecook5740 | mTL6HZtmmO1 |
| ☐ | 30813 | http://forums.miranda-im.org | 6 | FORUM | vBulletin | REGISTERED | lylecook5740 | mTL6HZtmmO1 |

### 3.3.3 Submission Method

LAIO supports two types of submission methods: instant submission and drip feed submission.




**Instant Submission** - LAIO will process all submissions immediately and will only stop when the task has run out of submission to process, or when the total successful submission count has reached or when the task is marked as COMPLETED by the user. If you stop the submitter or close LAIO before all submissions have completed, the submissions will resume at the next time submitter is started.

**Drip-feed Submission** - LAIO will process all submissions immediately and will stop when the any of the conditions below is met:

1. The daily successful submission count has reached - When this condition is met, LAIO will pause the task until the next day (12.00AM) and resume processing the submissions until either of the conditions (2, 3, 4) is met.
2. The total successful submission count has reached - When this condition is met, LAIO will mark the task as COMPLETED. The rest of the submissions under the same task will not be processed.
3. All submissions have been processed - The task has no more links to process. LAIO will mark the task as COMPLETED.
4. The task is marked as COMPLETED by user - User marks the task as COMPLETED. The rest of the submissions under the same task will not be processed.

### 3.3.4 Selecting an output URL list

When a submission is successful, it may return a live link (to learn why certain submissions don't return live link, refer to *SECTION5.0Logging*). An output URL list is the list where the live link will be saved into when a successful submission has a live link.

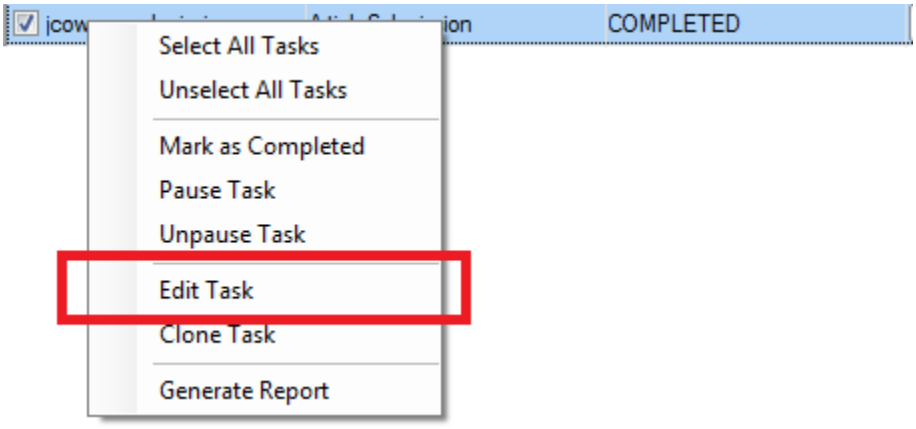
Similar to Account Creation module, after you have filled up all necessary details, click Finish to add the submission task. LAIO will save submission information (may take up to 1 minute) and you will get a message box indicating success when the task has successfully been added. To begin processing the task, click Start Submitter.

## *3.4 Deleting a task*

When you think a task is no longer required, you are free to delete it. However, be mindful that deleting a task will also remove all submissions associated to the task, and you will no longer able to access submission information and generate a report for the task in the future. To delete a task, first select the task(s) and click Delete Selected Tasks. A message box should appear asking for confirmation. Click yes and your task will be deleted.

## *3.5 Cloning atask*

To clone a task, select the task, right click and click Clone Task.




Cloning task will copy current (selected) task information to the new task. The following information will be copied to the new task:

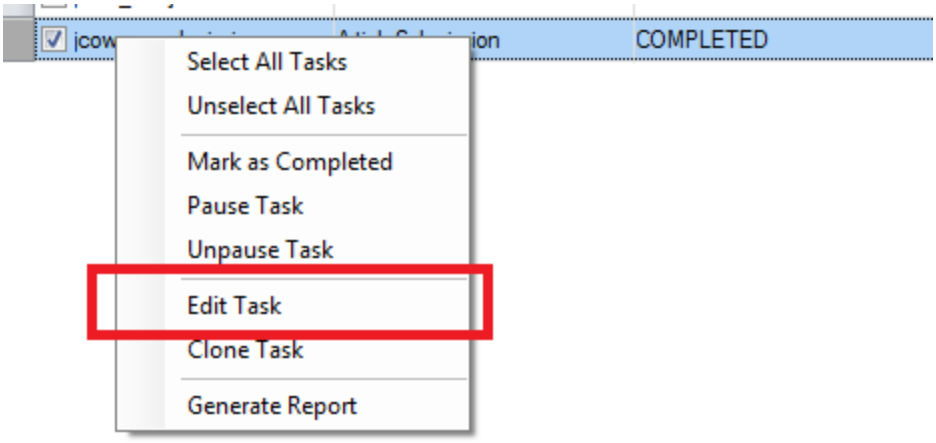
- Field Values (Article title, content, tags)
- Selected Account Profile and Sites
- Submission Method (Drip feed / Instant), Total/Daily Successful Count
- Output URL List Selection

**Typical usage scenarios**

- When you have a new project and you want to reuse existing linkbuilding strategies
- When you want to reuse existing task field values to submit to different sites

## *3.6 Editing a task*

To edit a task, select the task, right click and click Edit Task.




Editing task allows you to edit task information.

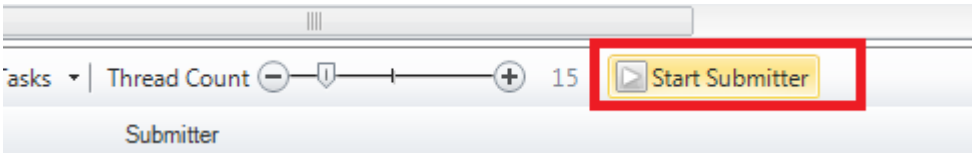
**Typical usage scenarios**

- You have added new sites and would like the task to submit to the new sites
- You would like to make changes to the field values (Title, description, tags)
- You would like to adjust the submission method or the total/daily successful count
- You would like to change the task name
- You would like to assign a different output URL list for that task

**Note:** Bear in mind that sites that have already been processed (be it successful or failed) cannot be edited, so they will appear to be greyed out in the sites control.

# 4.0 Submitter

## *4.1 Starting the submitter*




Before you start the submitter, make sure you have adjusted the thread count. If you have a decent computer, you can set thread count to above 50; else keep the thread count below 50.

Note that the submitter thread count is adjustable when it's running, so if you think there's a need for that, you are free to do so. If you are trying to lower the thread count when the submitter is processing submissions, LAIO will have to wait for the submission to complete before it can kill the thread, so you will have to wait some time for changes to take full effect.

After you have adjusted the thread count, click Start Submitter to start the submitter. Once the submitter is started, it should fetch unprocessed submissions and begin to process them. The submitter current activities will be shown in the Submitter pane. The submitter pane displays the following information:

- **ID** - The thread ID
- **Task Name** - The name of the processing subtask
- **Progression** - The subtask progression
- **Link** - The link of the processing subtask
- **Status** - The current activity of the subtask.
- Proxy - The proxy used by the subtask. If there's no proxy, "none" will be displayed.

## *4.2 Stopping the submitter*

To stop the submitter, click Stop Submitter when the submitter is running. You will have to wait until all running threads have completed its submission before the submitter is completely stopped.

# 5.0 Logging

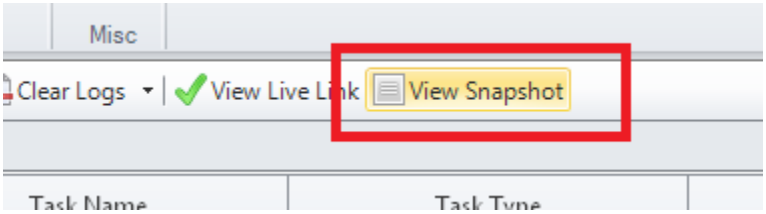
A completed submission will go into log once it has completed being processed (unless you have specified otherwise). If the submission is successful it will be logged under Successful and if the submission has failed it will be logged under Failed.

Each log contains a submission snapshot. Submission snapshot is a copy of the pages processed by the submitter during submission. A snapshot is useful in the situation where your submission has been failing a lot and you would like to know what caused it to fail. For more information about viewing a snapshot, refer to *SECTION5.1Viewing a submission snapshot*.

The loggingtabledisplays the following information:

- **Project Name**– Project name for the submission
- **Task Name** – Task name for the submission
- **Task Type** – The submission type
- **Link**– The submission URL
- **Status**– Status of the submission (Successful / Failed)
- **Date Time** – Completion date/time of the submission
- **Live Link** - A successful submission does not necessarily give you a live link. You do not get a live link due to one of the following reasons:
    - **The task is an account creation task** - A successful account creation will only give you an account.
    - **The submission type does not produce live link** - Submission types such as Directory Submission requires site admin approval before it's listed in the directory and the process is not instant. So LAIO cannot retrieve the live link right after the submission.
    - **The platform itself does not produce live link** - In this case there can be two possibilities. It's possible that the platform does not produce live link by its nature (eg: account creation), or the script does not define where to retrieve the platform from.
    - **LAIO fails to retrieve the live link** - The submission may have been successful, but LAIO was unable to retrieve the live link.

## *5.1 Viewing a submission snapshot*



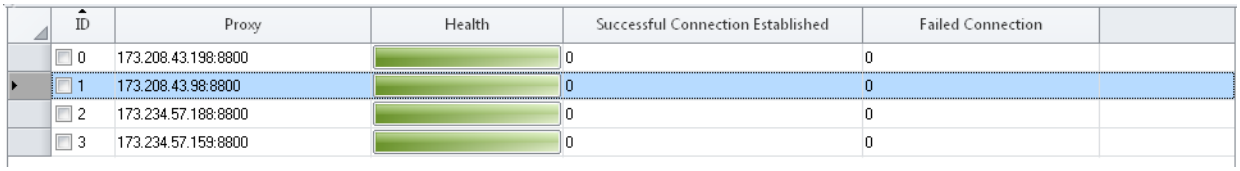

In cases where you do not know why a submission failed or you would like to know whether the submission is indeed successful, you can view the snapshot of the submission. To do so, click on the submission you want to view, and click View Snapshot. The snapshot window should appear.

You can navigate between different pages of snapshot using the navigation control on top. A snapshot normally contains the socket header and also the HTML content. The HTML content may take some time to load. So if you don't see the HTML content immediately, after a while it should appear. If it does not appear after some time, it's likely that the snapshot contain only the socket header. This will happen if the header is a redirection header or the page is blank.

# 6.0 Proxies

The proxy pane displays the following information:

- **ID**
- **Proxy**
- **Health / Successful & Failed connection count** - The proxy health gives you an insight about how well a proxy is performing. The health is calculated based on the formula *successful connection count * 100 / (successful connection count + failed connection count)*. Successful connection count refers to how many times the proxy has established a successful connection with the site host. Note that a successful submission is different from successful submission count, and does not add to the successful connection count. If you see low health for a proxy, it's indicated that the proxy is not performing well. This could happen if the proxy is slow, or the proxy is handling more submissions than how much it could actually handle (exceeded the bandwidth limit). If you have been constantly seeing low health for your proxies, it's indicated that your proxies cannot handle your submission load. When this happens, you should either lower your thread count or consider trying different proxy providers.



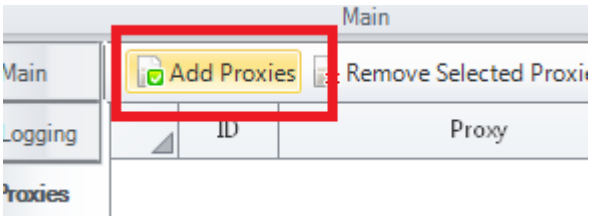
| ID | Proxy | Health | Successful Connection Established | Failed Connection |
|---|---|---|---|---|
| 0 | 173.208.43.198:8800 | | 0 | 0 |
| 1 | 173.208.43.98:8800 | | 0 | 0 |
| 2 | 173.234.57.188:8800 | | 0 | 0 |
| 3 | 173.234.57.159:8800 | | 0 | 0 |

## *6.1 Adding proxies*

To use proxies for your submission, go to Proxies pane and click Add Proxies. The add proxies window should appear. Insert your list of proxies, separated by lines and click Add Proxies.

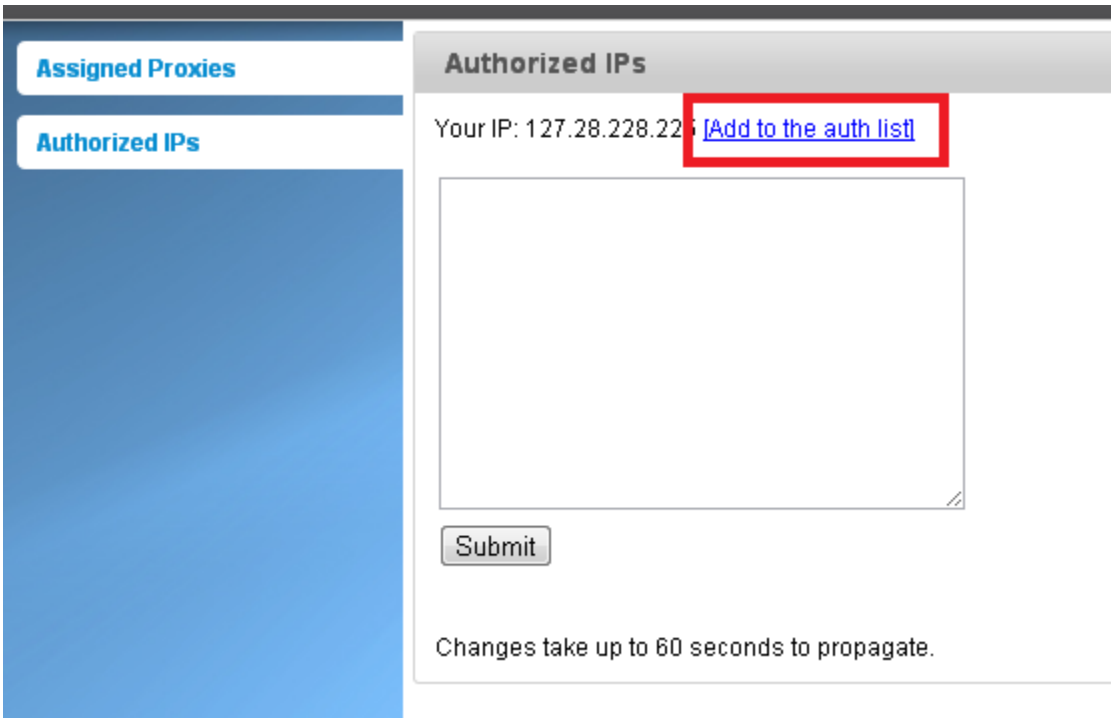
LAIO supports proxies in two formats:

- **ip:port** (Eg : 60.12.22.215:8080)
- **ip:port:username:password** (Eg : 60.12.22.215:8080:username:password)



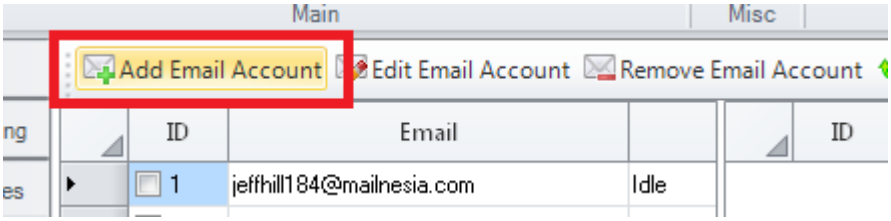

For the best success rates, you are highly recommended to use private proxies instead of public ones. If

you get extremely low success rates with your private proxies, chances are you did not add your IP into the auth list. Most of the proxy providers require you to add your IP into the auth list before it can be used. To do so, login to your proxy admin panel, go to Authorized IPs and click Add to theAuth List.



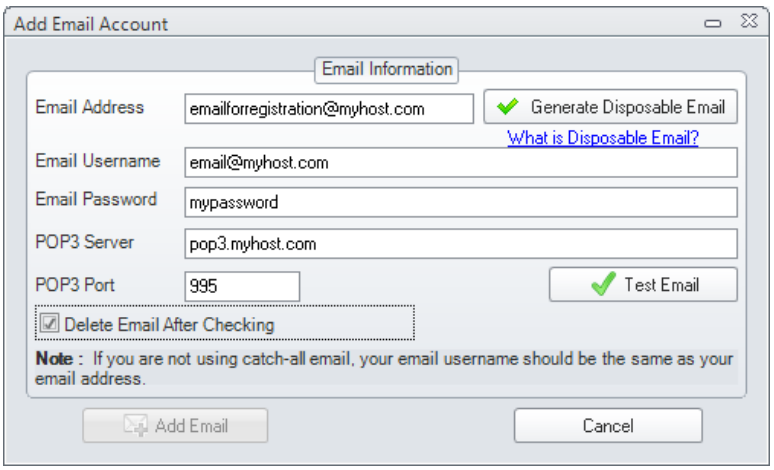
# 7.0 Email

## *7.1 Adding a new email account*




To add a new email account, go to Email tab and click Add Email. The Add Email Account should appear.

The Add Email Account will ask for the following information:



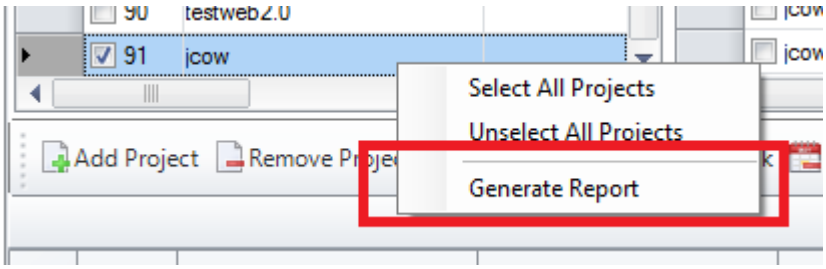

- **Email Address (Required)**
- **Email Username (Required)** – The field has the same value as the email address in most cases. This field will only be different if you are adding a catch-all email. If you do not know what a catch-all email is, you can read more information from http://www.ntchosting.com/email/catch-all-emails.html.
- **POP3 Server / Port** - Specifies where LAIO should download the emails from. If you are using Hotmail, you can use pop3.live.com / 995. If you are using Gmail, you can use pop3.gmail.com / 995.
- **Delete email after checking** - If this field is checked, LAIO will delete the email after it has been retrieved to the database. You should have this field checked if you plan to reuse this email or if you are using a catch-all email to avoid processing emails from previous account creations.

After filling up all the necessary fields, click Add Email. Once the email is added, you should get a message box indicating success in adding the email.

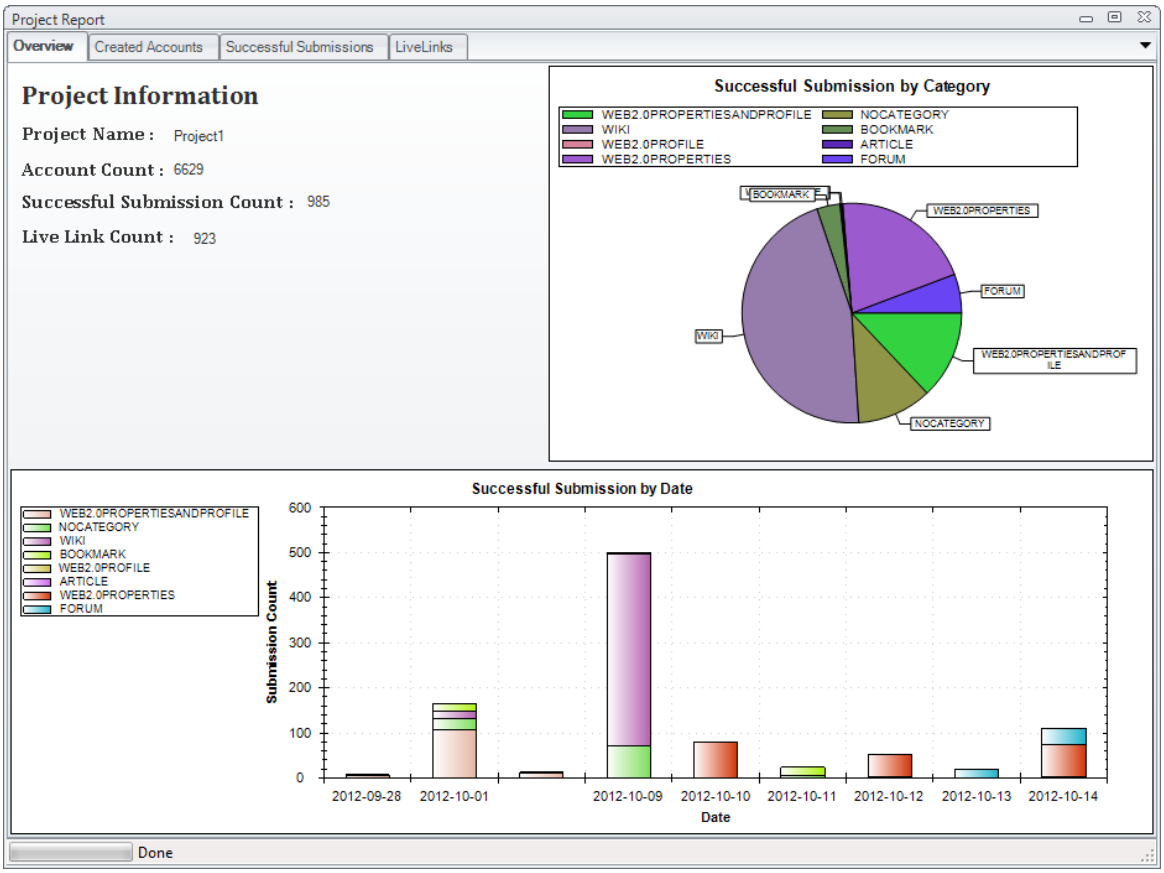
# 8.0 Reporting

## *8.1 Generating Project/TaskReport*

A report contains successful registrations and submissions information. You can generate report for project and task. To generate report for a project, select the project and right click anywhere in the project pane and click Generate Report. To generate report a task, perform the similar action in the task pane.




After you click generate report, the report window for the select project/task should immediately appear. If your project/task contains many successful registrations and submissions, the report may take some time to load. After it finished loading you should be able to see Project/Task information and the report chart like the following:



A project report allows you to view the following information:

- **Overview** - Displays project information
- **Created Accounts** – Displays all created accounts in the project
- **Successful Submissions** – Displays all successful submissions in the project
- **Live Links** – Displays all raw live links generated in the project

A task report allows you to view the following information:

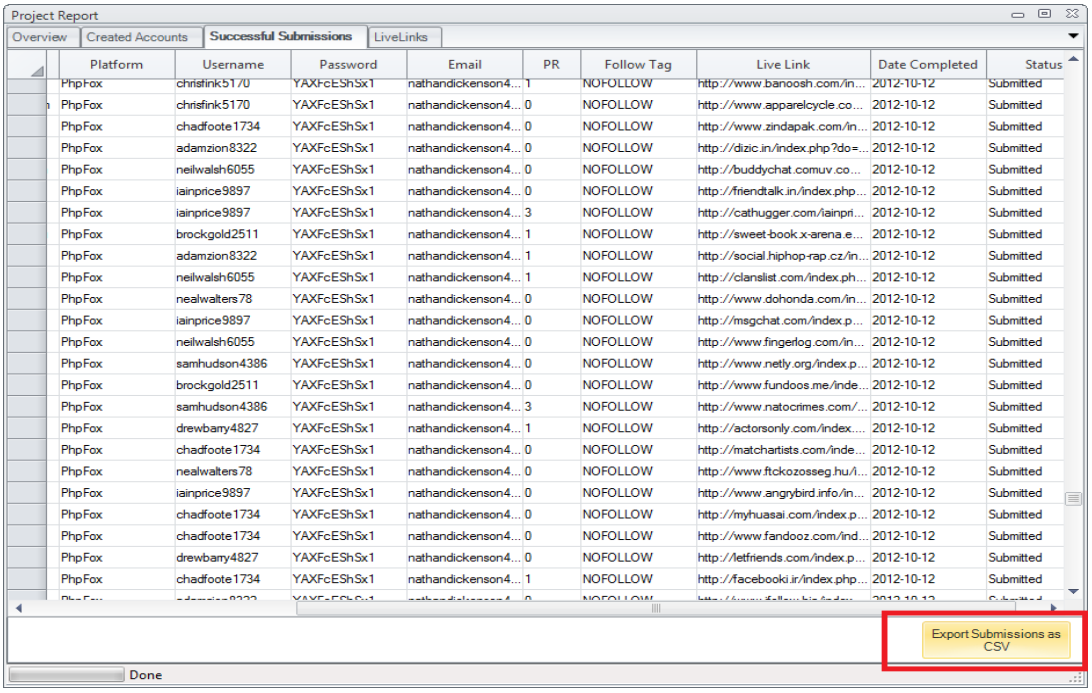
- **Overview** – Displays task information
- **Successful Registration / Submissions** – Displays all created accounts and also successful submissions in the task
- **Live Links** – Displays all raw live links generated in the project

## *8.2Exporting Report*

LAIO supports report to be exported in the following format:

- **CSV** – Contains complete information of the report, to be used mainly for client report or own reference.
- **TXT** – Contains only raw live links. Useful for copy pasting live links to create RSS feed or send to indexing service.

To export a report, simply click on Successful Registration / Submissions (For Task Report) or Created Accounts/ Successful Submissions (For Task Report) to export report in CSV, or click on Live Links to report export in TXT.

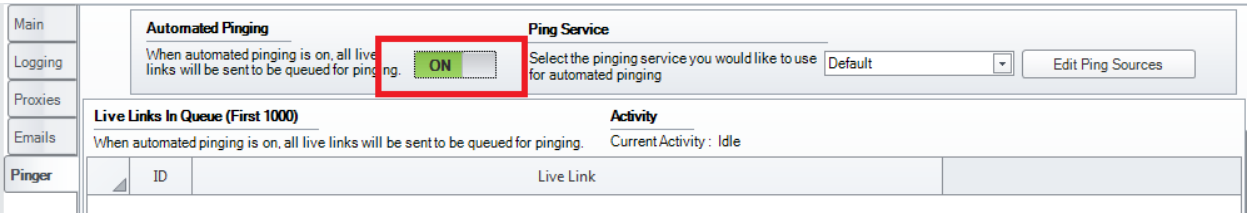


# 9.0 Pinging

In case you are new to SEO, pinging allows Google and other search engine to discover and index your backlinks faster.

## *9.1 Setting Automated Pinging*

To turn automated pinging on, simply go to Pingerpane and click on the switch button under Automated Pingingto change its state from *OFF* to *ON*.




If you turn automated pinging on, LAIO will ping all live links created in submissions tasks to the specified pinging services as soon as it's created.

The Pingerpane allows you to view the following information:

- **Links in queue** – Displays first 1000s live links waiting to be sent for pinging. When the queue is empty, LAIO will scan for new live links to refill the queue.
- **Pinging activities** – Displays live links sent for pinging, ping service and ping status. The pinging activities log will be truncated once it reaches 1000 lines.

## *9.2 Supported Pinging Services*

LAIO supports the following pinging service:

**Default Pinging Service**

The default pinging service uses only one ping server (*rpc.pingomatic.com*). This is also the default ping server for self-hosted Wordpress sites. If you wish to add more ping servers or edit the existing list of servers, you can do so by clicking on Edit Ping Sources inPingerpane.

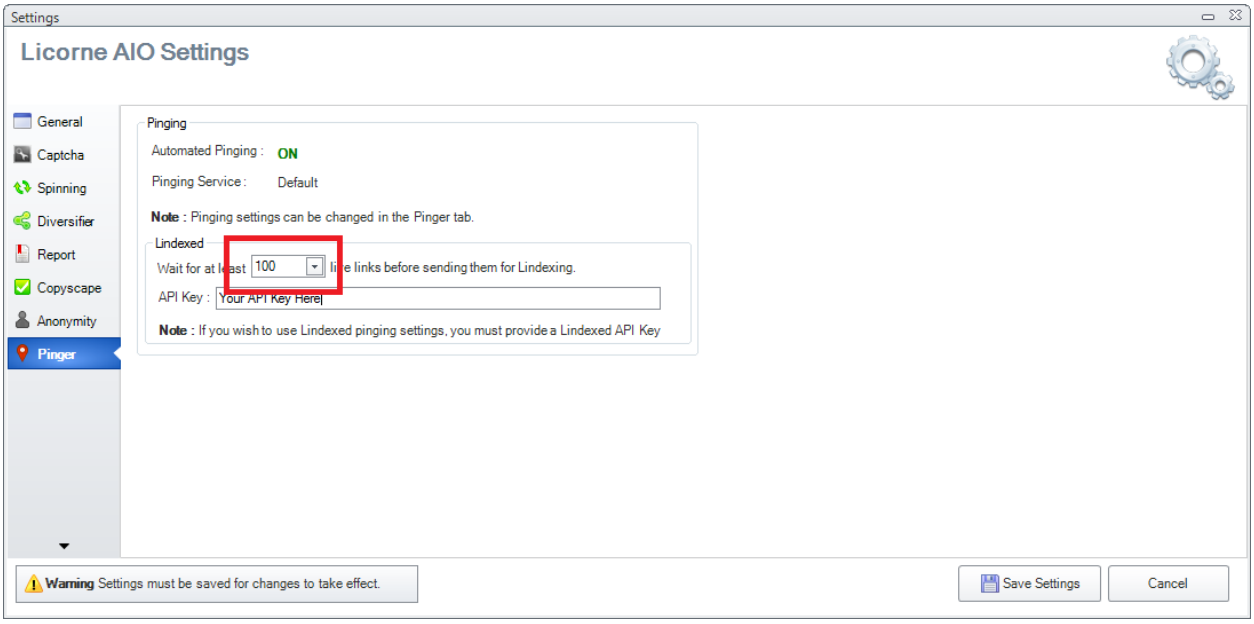
Bear in mind LAIO does not verify whether the ping server has accepted and pinged the live link; it will deem the ping as successful as long as it has successfully sent the live link to the ping server.

**Lindexed**

To use Lindexed pinging service, you must have a Lindexed API key. If you do not have an API key, you can get one from lindexed.com. Note that Lindexed is a paid service, so you will be required to pay and subscribe before you get to use their pinging service.

By default LAIO will send the live links to Lindexed once it has reached the threshold of 100. In other words, LAIO will wait until your pinging queue has more than 100 live links before it sends them to

Lindexed. If you wish to change the threshold settings, go to Settings -> Pinging and adjust the “Number of Live Links to wait before sending for Lindexing” settings like the following:



# 10.0 Multi-tiered Linking

## *10.1 Setting Up Multi-tiered Linking for Article Submission*

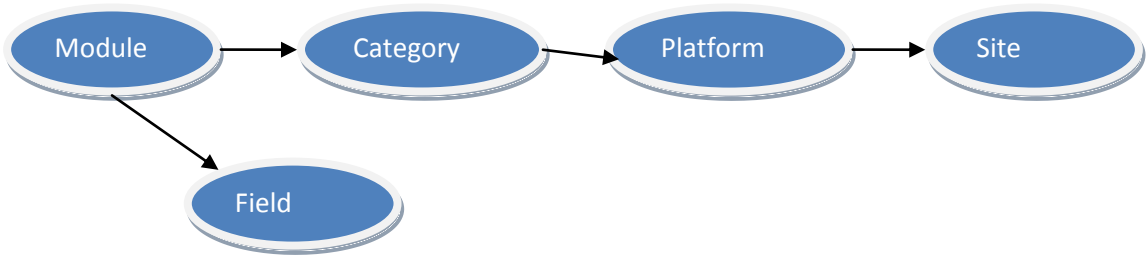
To include backlinks from the higher tier into an article submission task, do the following:

1. Create an article submission task (New Task -> Article Submission Task).
2. Click Next until you reached the page asking to add articles.
3. Click Add Articles.
4. If you plan to add custom article, skip to Step 12.
5. If you plan to scrape articles, click Scrape Article, the Article Scraper should appear.
6. Enter your keyword and click Start to start scraping.
7. After few seconds or so you should begin seeing results and when you are happy with the amount of articles, click on Stop to stop scraping.
8. Review and select articles you want to use for submission.
9. Click Use Selected Articles to confirm and add the articles.
10. For each article in the list, repeat the step 11 until 14.
11. Select the article you want to edit and click Edit Article.
12. The article editor window should appear.
13. Click Insert Anchor Tags and paste the list of live links from the higher tier under Anchor URLs. You can also load the list of live links from existing output URL list. To do so, click Load From Output URL List.
14. Click Add Anchors to article.
15. You can click the Preview Article button to preview the article. Click Generate Another Variation and if you have included more than one live link in Step 13, you should be able to see anchor tags (Right click -> View Source) with different live links each time you generate variation.

## *10.2 Setting Up Multi-tiered Linking for Bookmark Submission*

1. Create a bookmark submission task (New Task -> Bookmark Submission Task).
2. Click Next until you reached the page asking for bookmark information.
3. Paste the higher tier live links under “List of URLs to bookmark”. You can also load the list of live links from existing output URL list. To do so, click Load From Output URL List.
4. With these settings, LAIO will rotate the list of URLs given in Step 3 during submission.

# 11.0 Graphical representation of various elements in LAIO




# 11.1 Module

## *11.1.1 Adding a module*

To add a module, click Manage Module in the main window. The Manage Module window should appear. Click Add Module and the add module window should appear. You will be asked for the following fields:

- **Name** - Name of the module. Eg : RSS Submission. You can change this later.
- **Site Type** - You will be asked to select between Sites with Account and Sites without Account. If you select Sites with Account, the module will require user to create account before it could create a task for it. Examples of modules that require account are article submission, bookmark submission, video submission. Examples of modules that don't require account are Directory Submission and RSS submission.
- **Field** - Fields the module will ask when user creates a task for it. You should include all necessary fields for the module and uncheck IsRequired for fields that are not always required. Examples of fields that are always required are title, content (always required for article submission), video (always required for video submission), and website (always required for profile creation). Examples of fields that are not always required are summary, resources (not required for wiki article submission).
- **Module Identifier** - This is used for scripts to identify the module. A module identifier should always be uppercase and similar to the module name. Spaces are not allowed in module identifier so if you module name has a space, consider replacing it with an underscore. If you module name is RSS Submission, your module identifier name should be RSS_SUBMISSION.
- **Require Output URL** - When this is checked, LAIO will ask user to select an output URL list when user create task for that module. You should have this checked if the sites in the module will

produce live links. Examples of module that produce live links are article submission module, bookmark submission module. Example of module that doesn't produce live links is directory submission module.

- **Require Category** - When this is checked, LAIO will ask user to select one or more categories when user create task for that module. You should have this checked if the sites in the module support category selection. Examples of module that ask user to select category are article submission and bookmark submission module. Examples of module that don't ask user to select module are web profile and forum profile submission module. You can also have this unchecked when category is not important for that type of module. In that case LAIO will always select default category.

- **Platform Category** - You must map at least one platform category under that module else no sites / accounts will appear when user create a task for that module. If you have not created a platform category for it yet, you can do the mapping later.

Each module should have at least one platform category mapped to it. For example, a bookmark submission module will have BOOKMARK_SUBMISSION platform category, and the BOOKMARK_SUBMISSION platform category should contain PLIGG, Scuttle, PhpDug platforms. If the mapping above is done successfully, when you create a task under bookmark submission module you should be able to see sites from PLIGG, Scuttle and PhpDug platforms.

# 11.2 Platform category

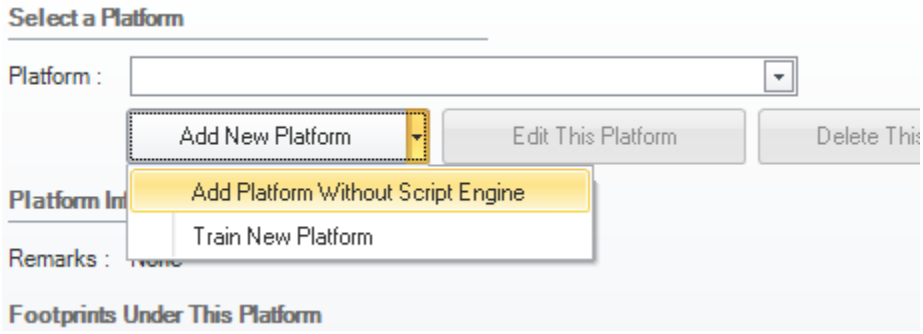
## *11.2.1 Adding a platform category*

To add a platform category, click Category and click Add New Category. An input box should appear, asking for the platform category name. Type in the name for the new platform category and click Add Platform Category and you're done. The new platform category will appear in the platform category list.

# 11.3 Platform

## *11.3.1 Adding a platform*

To add a platform, click Platforms in the main window and click Add Platform. You will see the following:




LAIO supports two methods of adding a platform:

- **Adding a platform without script engine** - If you add platform using this method, you must manually supply the script engine, else LAIO will not submit on this platform. You must also manually supply a RECOGNITION footprint to add sites for this platform.
- **Adding a platform using Licorne Cosmic** - If you add platform using this method, LAIO will automatically generate the script engine for you based on your automation activity. For more information about how to teach LAIO to automate a platform, refer to *SECTION9.1 Teaching LAIO to automate a platform*.

# 11.4 Site

## *11.4.1 Adding a site*

To add sites, click Manage Sites in the main window. Wait for the sites to load and click Add Sites. A window should appear, and you will be allowed to enter the sites you want to add.

After you click Add Sites, the Licorne Link Analyzer will appear. The Link Analyzer will visit each site and attempt to determine various attributes of the site (platform, title, description). If the site is alive and has a platform detected, it will be listed under Added. If the site is either dead or alive but has no platform detected, it will be listed under Failed.

You will have to wait some time for the sites to finish being analyzed. When the Link Analyzer has done processing all the sites, a message box should appear, indicating the Link Analyzer has completed processing all sites.

You can make the Link Analyzer to process the links faster by adjusting the thread count under Settings -> General -> Link Analyzer Thread Count.

To teach LAIO to recognize a platform, the platform must have at least one RECOGNITION footprint. To add a footprint for a platform, refer to *SECTION8.6.1 Adding a footprint.*

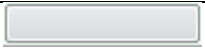
## *11.4.2 Removing non-working sites*

To remove dead sites, click Sites and check "Select Dead Sites" and all the dead sites will be selected. Click Delete Sites to remove the sites. If you wish to remove the sites and never add them again in the future, click Send to Blacklist instead of removing the sites.

## *11.4.3 Removing sites that can't submit*

The health bar of a site provides an insight about how well a site is performing. By default the health of a site is 100%, and it will decrease each time a submission for that site fails. If you see the health for a site is not full, it's indicated that the site has failed one time or more for account creation or submission task.

Below shows the health and state of a site:

| | | |
|---|---|---|
| **100%** | | The site is healthy. LAIO never failed creating account and submitting to the site. |
| **51 - 99%** | | LAIO succeed more often than failing in creating account and submitting to the site. |
| **1 - 50%** | | LAIO fail more often than succeed in creating account and submitting to the site. |
| **0%** |  | LAIO always fail creating account and submitting to the site. You should remove this site. |

### *11.4.4Scraping for links*

To scrape for new links to be added into LAIO, tools -> Scraping and run Search Engine Scraper. Before you start scraping for links, you must be familiar with the footprints of the platform of the sites you intend to scrape.

To begin scraping for links, insert the list of keywords/footprints into the keywords area and click Start Scraping. Depending on the number of keywords you entered, the amount of time you need to wait for scraping to complete can vary from a few seconds up to a few hours.

If the scraping ended prematurely (before it finishes processing all given keywords), it's likely that your IP (or your proxies) have been temporarily banned by Google. In that case, you will have to use more proxies on the next time you intend to scrape for large volume of data.

After you have done scraping, you can either opt to export the scraped data in TXT or send the links to Link Analyzer to add them into LAIO.

### *11.4.5Link Analyzer*

Link Analyzer visits each links supplied by user individually and attempt to retrieve the following information from the link:

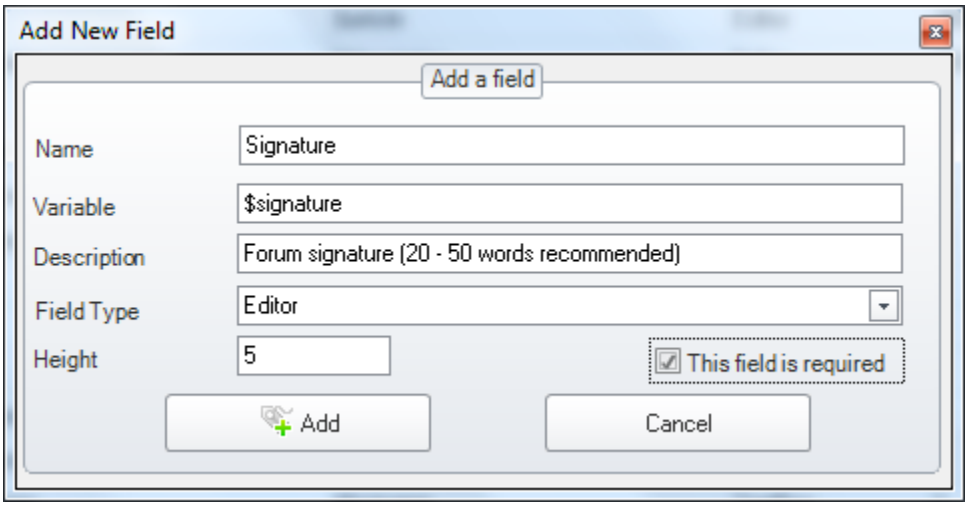
- Platform – Link analyzer will attempt to detect the platform of the link using the RECOGNITION footprints of the platforms in database. If you wish to edit RECOGNITION footprint of a platform, you can do so by clicking on Platform under the main window.
- OBL – Number of outbound links found in the link
- Follow Tag – Whether the link is dofollow or nofollow
- Meta Data (Title, Description) - Title and description of the link
- Domain

After you have done analyzing the links, you can opt to either export the result in CSV or send the links to be added into the database.

# 11.5 Field

## *11.5.1 Adding a new field*

You will only be required to add a field if you are planning to add a module. To add a field, click Fields in the main window and click Add New Field. The following window should appear:




- **Field Name**–A name to identify the field
- **Field Variable** - This is used by script engine to determine where the field should be filled. When user or Licorne Cosmic produce the script engine, the variable will be used as the representation of the field value. When LAIO perform submission it will replace the variable with the field value entered by the user. For example, the variable $title will be replaced by the article title supplied by user during task creation.
- **Field Type**–There are two types of fields: Textbox and Editor. A textbox has only a single line so you cannot set the height for a field with the type textbox. An editor on the other hand can have more than one line and user can define the height for an editor.
- **Is Required**–When this is checked, user must enter a value for the field, else he/she will not be able to add the task.

After entering all required fields, click Add and a message box indicating success in adding field should appear.

# 11.6 Footprints

LAIO uses footprints to determine current registration/submission state and to make decision about what it should do next. For example, when a RequireEmailActivation footprint is detected in a page during account creation, LAIO will deem the account creation as successful and trigger the email activator.

LAIO has the following footprints:

- **Recognition** (For Adding Links) - When LAIO sees the footprint in the source code of the page; it will deem the site belongs to the platform.
- **Registration Successful** (For Account Creation) -When LAIOsees this footprint in a page; it will deem the registration as successful.
- **Require Email Activation** (For Account Creation) - When LAIOsees this footprint, it will deem the registration as successful, but the account requires email activation before it can be used. The email activator will be triggered if it's not currently active for that email account.
- **Require Password From Email** (For Account Creation) - When LAIOsees this footprint, it will deem the registration as successful, but the account requires password to be retrieved from email before it can be used. The email activator will be triggered if it's not currently active for that email account.
- **Submission Successful** (For Submission) - When LAIOsees this footprint in a page; it will deem the page has successfully completed the submission.

## *11.6.1 Adding a footprint*

To add a footprint, click Platform and select the platform you want to add footprint. After you have selected the platform, click Add New under the list of footprints. The Add New Footprint window should appear.

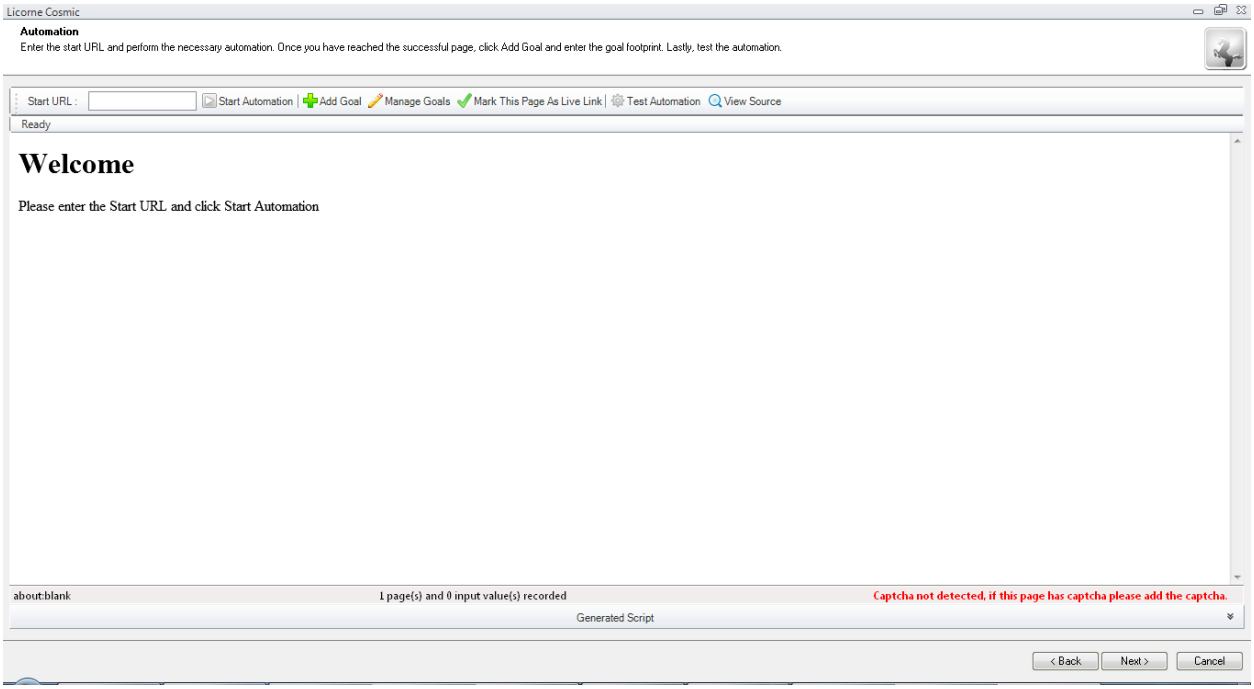
After entering the required details, click Add and a message box indicating success in adding footprint should appear.

# 12.0 Teaching LAIO

## *12.1 Teaching LAIO to automate a platform*

To train a platform, click Platform in the main window and the Manage Platform window should appear. Click Add New Platform -> Train New Platform and the Train New Platform wizard should appear. If you are a first time user, kindly read through the important guidelines at the first few pages of the wizard.

At the page 3 of the wizard, you should be able to see the following window:



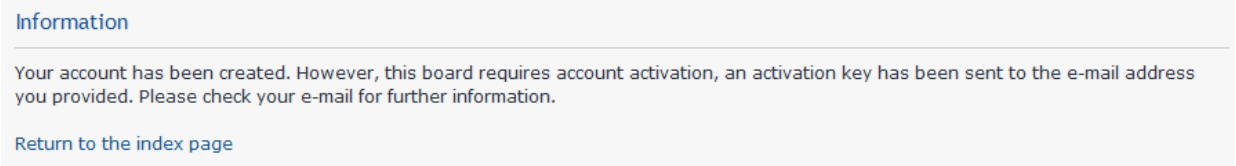

Suppose we are trying to teach LAIO to learn how to automate account creation for Licorne Solutions forum. We would perform the following steps:

1. Enter http://www.licornesolutions.com/forums as the starting point (you must include http:// or https:// in the URL) and click Start Automation.

2. You should be able to see the forum index after the page finished loading. Click Register in the forum page and wait for the registration page to load.

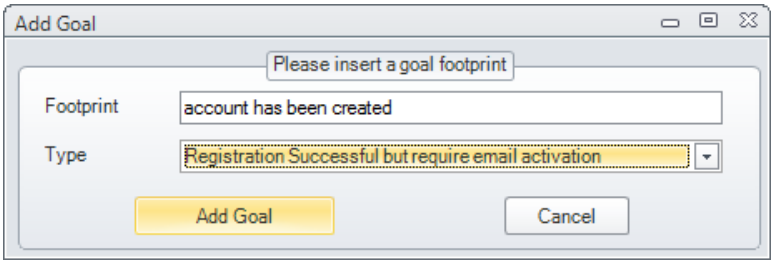
3. After the registration page is loaded, fill in all the required information. You can use the generator to generate the registration information. To do so, right click anywhere on the page and you will see a menu with options to generate information. After you have filled in all the registration information, click Submit and wait for the next page to load.

4. If you have done everything correctly, you should be able to get the following message:

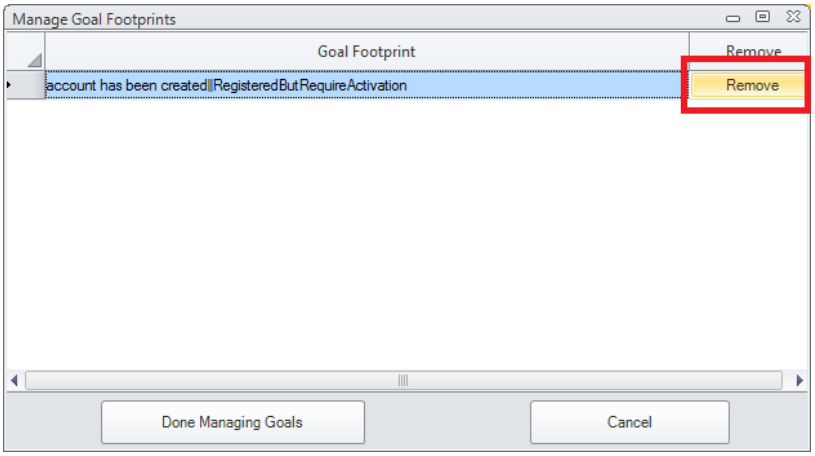



If you did not get the above message, it's likely that you have entered incorrect registration information or you have entered a wrong answer for the antispam question. In that case you are highly recommended to restart automation (click on Restart Automation beside the Start URL) else LAIO will repeat your mistake when it automates this platform in the future.

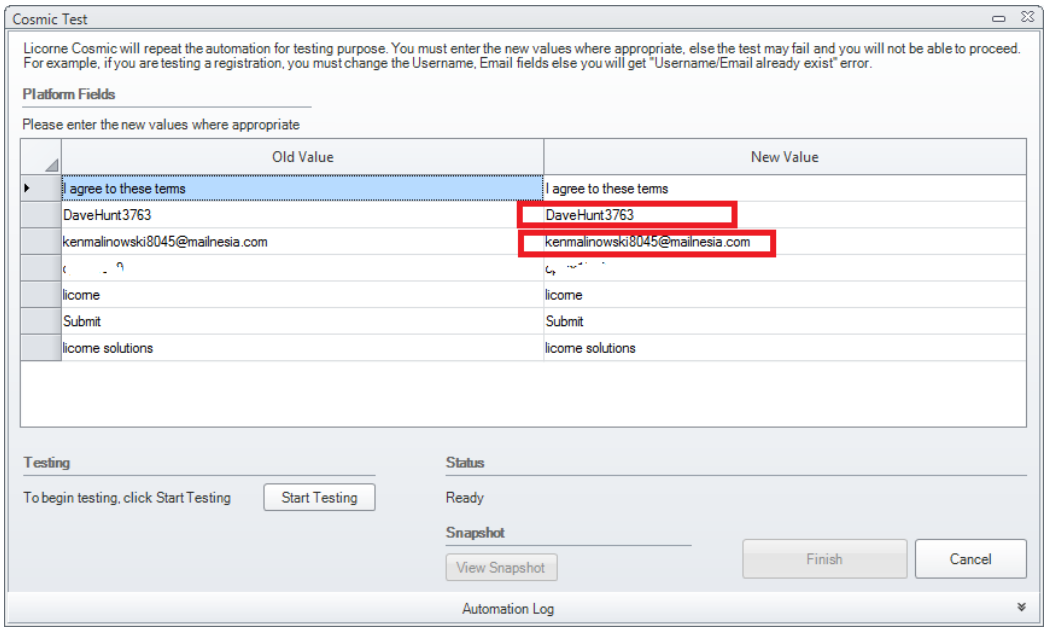
5. Since we have reached our goal (we have successfully registered an account), we would add the goal footprint to tell LAIO that this is the page it should be seeing when a registration is successful. To do so, copy part of the message (eg: account has been created), click Add Goal and paste the message you copied into the Footprint field and select the appropriate type for the goal. In this case, we will select the type "Registration successful but require email activation" because this platform requires email activation (as stated in the message we get earlier) to fully complete the registration process.




If you think you have entered a goal by mistake, you can delete existing goals by clicking on Manage Goals, and then click the Remove button beside the goal you want to remove.



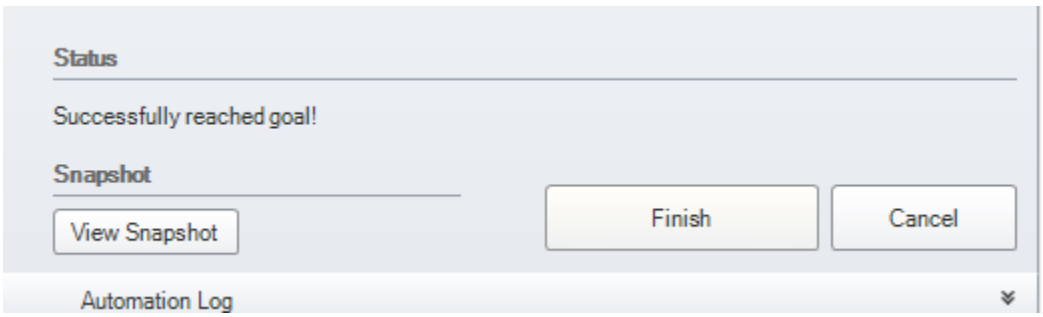
6. LAIO must test the automation and ensure that it can be automated before you are allowed to proceed to the next step of the wizard. To test the automation, click Test Automation and the Test Automation window should appear.




You will be seeing many field values in the Test Automation, the values on the left are the ones you've entered in the earlier automation and the values on the right are the ones LAIO will use to perform the test automation. In this case, LAIO will perform the registration again so the Username and Email value must be changed, else you will get Username/Email already exist error.

7. After you have made all the necessary changes to the values. Click Start Testing and LAIO will begin the test automation. The Status area will display LAIO current automation activity and the Snapshot area allows you to view the pages processed during the test.

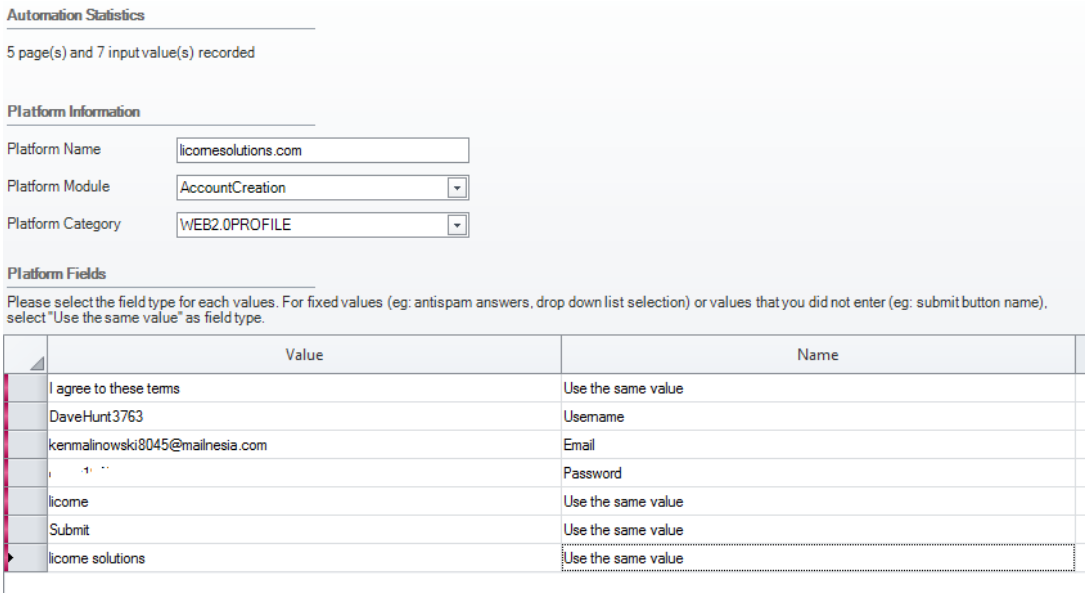
8. If you have done everything correctly and If LAIO can automate the site. The status should display "Successfully reached goal!" and you will be able to Finish the test automation and proceed to the next step.



9. If something went wrong and your automation has failed, you can consider examining the automation snapshot. A snapshot provides useful insight about why the automation failed. For example, the snapshot below clear indicates that the automation failed due to Username or Email has already been taken. So we must correct the value for Username and Email.

10. Next, you will be required to tell LAIO the field types of the values you've entered and also the automation and platform type. Since we are trying to automate an account creation (which is obviously for Account Creation module), we would select Account Creation under Platform Module; and since the licornesolutions.com/forums belongs to WEB2.0 Profile, we would select WEB2.0PROFILE under Platform Category.

    For the platform fields, you should select "Use the same value" for the values you never entered in the earlier automation and also for values where you want LAIO to always use the same one during submission (eg: antispam, submit button name).



11. After you've done everything, click Next to proceed to the next step of the wizard. You will be asked whether the platform has only one site or it contains more than one site. If you select the former option, LAIO will think this is (the site you just automated) the only site for this platform and you will not add more sites for this platform in the future. Examples of sites with only one platform are Squidoo, Livejournal, EzineArticles. If you select the latter option, LAIO will think the site you've just automated is only one of many sites for this platform; and you may be adding more sites for this platform in the future. In that case, you will be required to specify the RECOGNITION footprint for this platform so LAIO knows how to identify the platform in the future.

12. Click Finish to complete the wizard and you should get a message box indicating success in adding platform.

## *12.2 Teaching LAIO to recognize a Captcha*

To teach LAIO to recognize a Captcha, you must insert both Captcha image and Captcha textbox fooprint. A Captcha image footprint is for LAIO to detect and also extract to the image to send for Captcha solving. After the Captcha is solved, LAIO will attempt to fill the Captcha answer into the textbox matching one of the Captcha textbox footprints.

## *12.3 Teaching LAIO to recognize an email activation link*

Teaching LAIO to recognize email activation link is easy. All you need is to supply the part of the string in an activation link. Suppose we have the following email activation links:
http://www.site1.com/activate.php?code=98sdsa8dua9Sd

http://www.site2.com/act/kdsoaAjdOO2

http://www.site3.com/process_reg.php?act_code=dKaOdM24

http://www.site4.com/registration_step3/user=Blair0293&c=985298

To make LAIO able to recognize all activation links above, we would use the footprint "act" and the footprint "registation".

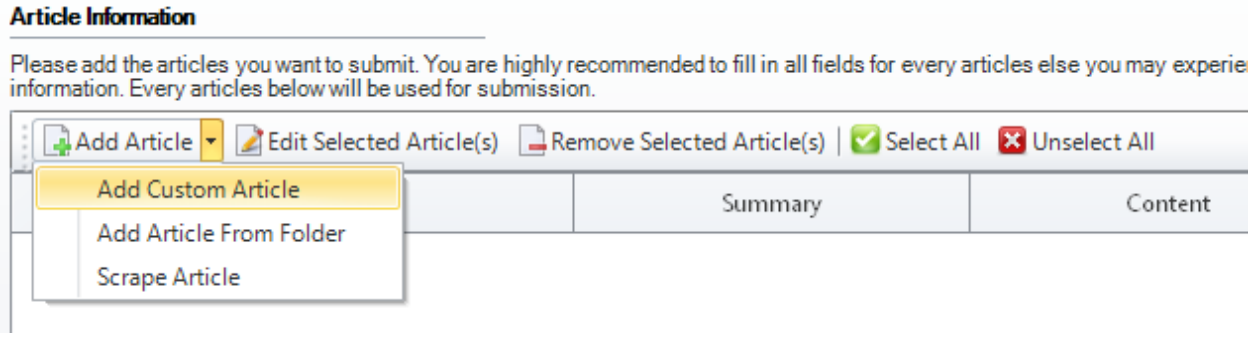
To add the email activation link footprint, go to your LAIO directory and locate the folder Email Activation. You should be able to see a file named "emailactivationlink_footprint". Open the file and go to the last line of the file and paste the footprints into the file. Save the file and you're done.

# 13.0 Miscellaneous

## *13.1 The Article Control*

The article control is used by article submission module for user to enter article information. LAIO allows you to submit multiple articles at once. If you supply more than one article, LAIO will rotate the article to submit.

You are allowed to insert articles using three approaches:




### 13.1.1 Types of Article Insertion Approaches

**Adding custom article** - You will be required to enter all article information by yourself. The custom article window will ask for the following information:

- Article Title
- Article Summary
- Article Content
- Article Resource

You are required to complete all fields even if the sites (which you will be selecting) do not require certain fields (eg: summary, resource).

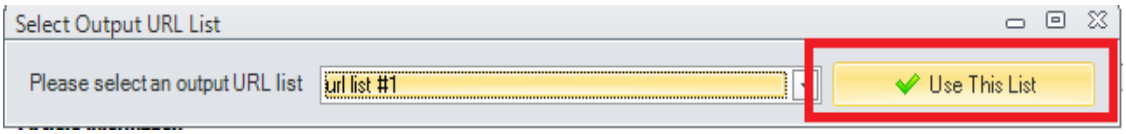
**Adding article from folder** - You will be asked to specify the folder that contains the article(s) used for submission. LAIO only accept files with *.txt* extension as article. All *.txt* in the folder will be added into the article list. The file name will be used as the article title and the file content will be used as the article content. If you do not want some articles to be included into the submission, simply select the article(s) and click "Remove article(s) from list". After you have added the articles, you must click Edit article for every of the articles you added and type the summary and resource for the article. LAIO will perform a field check at the end of the wizard and if any of the articles do not have all fields filled, you will not be allowed to add the task.

**Scraping for articles to add** – Licorne Article Scraper will load and you will be required to enter a keyword to begin scraping the article. After entering your keyword, click Start Scraping. Licorne Article Scraper will begin scraping for articles and after a minute or so you should be able to get hundreds of articles relevant to your keyword.

## *13.2 The Bookmark Control*

The bookmark control is used in bookmark submission module for user to specify bookmark information. The bookmark control will ask for the following information:

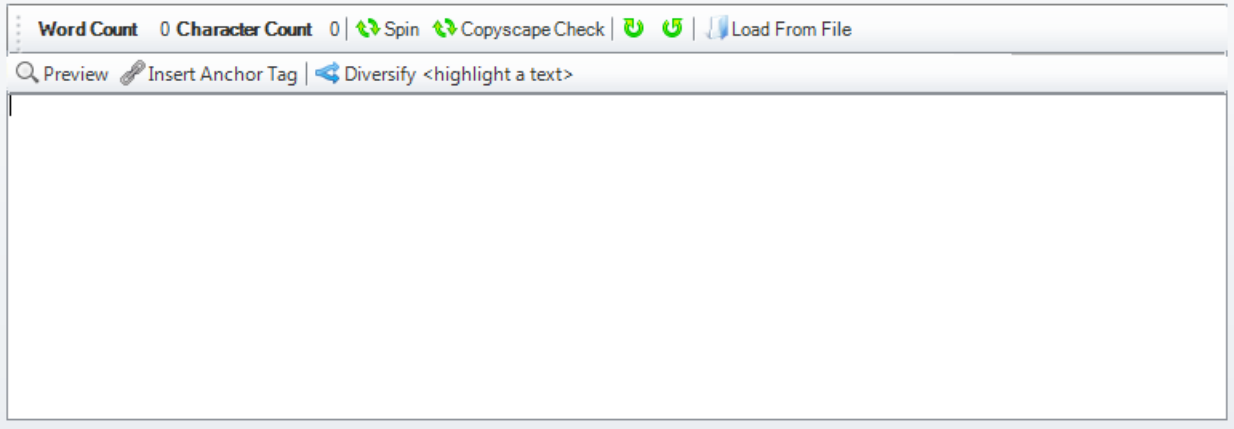
- **List of URL(s) to bookmark** - If you plan to bookmark more than one URLs, you can add them into the list, with each URL separated by a line break. To bookmark live links produced by other task, click Load From Output URL List. Select the output URL list and click Use This List.




- **Bookmark Title**
- **Bookmark Description**
- **Bookmark Tags**

If you do not want to manually type the title, description and tags. You can opt to retrieve them from the meta information of a site. To do so, click Load Meta and type the URL of the site you want to retrieve. Once the meta information is retrieved, you should be able to see the fields loaded with its respective value. If you see a blank in the field, it's indicated that LAIO failed to retrieve value for that field and you will have to manually enter the value for that field.

## *13.3 Content Editor*




**Spin** - Clicking on the Spin button will spin the entire content in the editor. Be sure that you have properly configured your desired spinning service and have selected them in the settings windows.

If you have setup everything correctly, the editor should display spun content after the spin button is clicked.

**Copyscape Check** - Clicking on the Copyscape Check button will send the content in the editor to Copyscapeserver to check for content uniqueness. This option requires you to have a CopyscapePremium account registered. Make sure that you have properly entered your CopyscapePremium Username and API key before you proceed. If you do not have one yet, you can get it from http://www.copyscape.com. If Copyscape thinks that your content has passes the test (your content is unique), a message box should display, indicating your content has passed the test. If Copyscapethinks the otherwise, you should get response similar as the following:

**Load From File** - Clicking on the Load From File window will load file content to the editor. A file browser dialog should appear after you click on the button and you will be required to select the file where you want the content to be retrieved from. If everything is successful, you should be able to see the editor populated with the file content.

**Preview** - Clicking on preview will display a sample of how the content will be displayed when it's submitted. To display different spinning variation, simply click on Generate Different Variation.

**Insert Anchor Tag**- Clicking on this allows you to insert anchor tags into your article. You will be required to fill in the following fields:

- **Anchor Type** - Three anchor types are supported. You should select the anchor type based on what the site will accept. If you are submitting to MediaWiki sites, you should be selecting Wiki anchor type. If you are submitting to article directories, you should be selecting Html. If you are unsure what anchor type the site supports, try with one anchor type and see if the anchors are properly displayed. If it's not then select a different anchor type.

- **Anchor Keywords** - Anchor keywords are the keywords that will appear in the anchor tag. You are highly recommended to supply more than one anchor keyword to avoid being penalized by Google. You can either supply the keywords by your own or load the keywords using Google Suggest. To load from Google Suggest, click Load from Google Suggest, enter a seed keyword, click OK and you should get a huge list of keywords relevant to your seed keyword.

- **Anchor URLs** - Anchor keywords are the URLs that will appear in the anchor's URL attribute. This is where you should be placing the URL of your money site or live links (for tiered backlinking). To load live links, click Load from Output URL list. Select the output URL list you want to load and click OK to load your live links. Note that if the URL does not start with http, it will not be added into the list.

- **Text to be replaced with anchors** - This is where you should be entering the words in the editor content where you want to be replaced with your anchor tags.

Given the situation where you have a site http://www.softwaretest.com, targeting the keyword software testing, submitting to an article directory and have the following content:

```
Software testing is an investigation conducted to provide stakeholders with information about the quality of the product or service under test.
```

You would load relevant keywords from Google Suggest with *software testing* as the seed keyword and Google Suggest will return you a huge list of keywords related to software testing (eg: software testing approach, software testing activities, software testing automation). You would also specify http://www.softwaretest.comas the anchor URL andboth *software testing* and *test* as the words to be replaced with the anchor tag. In the end you will be getting this:

```
<a href=”http://www.softwaretest.com”>Software testing approach</a>is an investigation conducted to provide stakeholders with information about the quality of the product or service under <a href=”http://www.softwaretest.com”>Software testing automation</a>.
```

## *13.4 Adding a module (example)*

1. Create a module for that platform. Assume we are trying to create a forum profile submission module; we would name the module as Forum Profile Submission module.

2. Configure the settings for that module and add the module (refer to *SECTION8.1.1Adding a module*to learn how to configure a module). At this point the module does not have any platform category mapped to it yet.

3. Map all necessary fields to the module. Since we are trying to create a forum profile submission module, we would have the fields Website and Signature in the module.

4. Train a forum platform using Licorne Cosmic. To do so, click Platforms under the main window

and click Train a new platform under the Add Platform drop down list. To read more about how to train a platform, refer to *SECTION9.1 Teaching LAIO to automate a platform*. Suppose the platform is a vBulletin forum platform, we would name the platform as vBulletin.

5. Create a platform category for the platform. To do so, go to Platform Category in the main window and click Add New Platform Category. Since the platform is a forum platform, we would give the platform category the name FORUM_SUBMISSION.

6. Map the platform category FORUM_SUBMISSION to Forum Profile Submission module. To do so, go to Manage Module window and click Add New under the list of platform categories. Select FORUM_SUBMISSION and click Add.

7. Add more sites for vBulletin platform. To do so, click Manage Sites and click Add New Sites. For more information about adding sites, refer *SECTION8.4.1Adding a site*. If you have specified the RECOGNITION footprint correctly, you should be able to see the sites being added and identified as vBulletin platform site.

8. Restart LAIO and after restarting LAIO you should be able to see Forum Profile Submission when you create new task.

## *13.5 Using footprint creator to generate footprints*

Footprint creator allows you to generate footprints based on the combination of keywords and seed footprints. Before you generate footprints, you must specify where you want the keywords to be placed in the seed footprint using the {keyword} tag. The table below shows examples of the possible output in footprint creator.

| Keywords | Seed Footprint | Generated Footprints |
|---|---|---|
| ***Dog training***<br>***SEO*** | Inurl:signup*{keyword}*<br>"Powered by Mediawiki" | Inurl:signup*Dog training* "Powered by Mediawiki"<br>Inurl:signup*SEO* "Powered by Mediawiki" |
| ***Dog training book***<br>***Dog training guide***<br>***Dog training in US***<br>***SEO*** | | Inurl:signup*Dog training book*"Powered by Mediawiki"<br>Inurl:signup*Dog training guide* "Powered by Mediawiki"<br>Inurl:signup*Dog training in US* "Powered by Mediawiki"<br>Inurl:signup*SEO* "Powered by Mediawiki" |

After you have generated the list of footprints, click Send To Scraper to send the list of generated footprints to scraper.

# 14.0 Updating LAIO

## *14.1 How to update your copy of LAIO*

When there is a newer version of LAIO, the Version Indicator area will show the latest version number in red. Clicking on the version indicator will bring you to the forum thread where you are able to read the Changelog and also download the latest version.

After you have downloaded the new version, extract the file to a new folder and double clickLicorne AIO.exe to execute LAIO.

## *14.2 Transferring data manually across different copies of LAIO*

When you update your copy of LAIO, you must copy the necessary files from the older copy of LAIO to the newer one to retain your data. The section below explains the file/folder that stores important data for LAIO:

- **Captcha***(folder)* – Contains all Captcha image and textbox footprints, you should only backup this If you have made changes to the Captcha image and textbox footprints.
- **Email***(folder)* – Contains all email activation link footprints, you should only backup this if you have made changes to the email activation link footprints.
- **Generator***(folder)* – Contains all data used for profile generation.
- **Notes** *(folder)* – Contains all saved notes (For editor).
- **Rank Tracker***(folder)* – Contains all rank tracking information, you should only backup this if you have used Rank Tracker module to track your sites ranking.
- **Script engine***(folder)* – Contains all custom and trained submission scripts for LAIO, you should only backup this if you have trained sites using Licorne Cosmic.
- **Data***(file)* – Contains all projects, tasks, sites, platforms, platform categories, modules of LAIO. You should always backup this.
- **LicorneAIO.config***(file)*– Contains LAIO settings. You should only backup this if you wish to use the old settings.

**Warning:** If LAIO behaves abnormally or crash after you perform the manual data transfer, it's indicated that the newer copy of LAIO is not able to parse and read one or more files from the older version. When this happens, you are highly advisable to undo all the changes you made or install a clean copy of LAIO.

# 15.0 Troubleshoot

## *15.1 Troubleshooting issue related to low submission success rates*

If you happen to get extremely low success rates during submission, the best way to find out what's causing the submissions to fail so much is to examine the snapshot. The table below shows the possible causes of having low success rates:

| Causes | Description | Likelihood | Symptoms | Corrective Actions |
|---|---|---|---|---|
| **The site is dead** | Site has been suspended or site does not return any response | VERY HIGH | • Snapshot returns no response (0 page snapshot)<br>• Snapshot shows the page has been suspended | Remove or blacklist the site |
| • **Captcha Server Overloaded**<br>• **Captcha Solved Incorrectly**<br>• **Antispam Question Not Solved/Incorrect Solved** | • Captcha server returns either no answer or incorrect answer<br>• Antispam question has not been answered or answered incorrectly | VERY HIGH | Snapshot shows the Captcha was not solved correctly | Retry submission later or use different Captcha solving service |
| • **Site no longer accept registration**<br>• **No registration page** | Site removed registration page or registration form does not allow submission | HIGH | • Snapshot shows registration page is not found (eg: register.php is not found on server)<br>• Snapshot shows site owner has disabled registration | Remove or blacklist the site |
| **Account requires activation before submitting** | | HIGH | Snapshot shows account need verification before proceeding to submit | Retry submission after verifying email |
| **Fields do not meet certain requirement (eg: content too short)** | • Required fields are not filled<br>• Fields do not meet length requirement | MEDIUM | Snapshot shows field value is too short or required field is not filled | Edit task and edit field values to meet requirements |
| **Thread count too high** | Computer or network unable to handle too many concurrent submissions | LOW | | Set lower submission thread count |
| **The site has not been trimmed to root** | | MEDIUM | Snapshot shows page not found. Eg: "/register.php is not found on server" | Teach LAIO how to trim site for the platform to root |

# 16.0 Reporting bugs

If you happen to encounter any bugs during usage, you can report them to use using the following ways:

- **Send us a bugs report form** – The bugs report form can be found in Help -> Report Bugs.
- **Email** – You send us email about anything related to LAIO to support@LicorneSolutions.com
- **Forum** – Feel free to join and post on our active community at http://licornesolutions.com/forums.