Chunk.io Driver

Installation and Usage Guide

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Overview

With the 4sight subscription service Control4 can send email notifications. It can't however attach camera snapshots to these emails for viewing. Our Chunk.io driver for Control4 will download a snapshot from any IP camera with a built in webserver and upload it to the Chunk.io image hosting service. It will then return a URL in a Control4 variable for insertion into your 4sight email or push notification.

Features

- Type in any URL (supports HTTPS, HTTP Auth, different port numbers)
- Gets the image and uploads it to Chunk.io
- Returns the URL in the Driver's properties page
- Returns the URL as a variable

Usage Scenarios

This driver can be used for several different scenarios. Some examples are as below but the limit is really your imagination.

- Doorbell press sends a image link via 4sight email

- Doorbell press sends a image link via push notification

- Security system alarm sends a image link via 4sight email.

- Door open sends a photo of whoevers at the door to an email.

Change Log

Version #20150121 - 21-JAN-2015
- Initial Version Release

Disclaimer

This driver relies on a 3rd party online image hosting service (http://www.chunk.io) and as such Chowmain cannot guarantee the uptime or indefinite availability of these services. Chowmain will however to the best of its ability implement new API's if API's change.

Note this driver will not work with the Control4 doorstation due to hardware limitations in the doorstation.

Driver Installation

1. The driver you have downloaded will be in a zip file. Double click on this file to open it in your preferred zip program (WinZip, WinRar, etc.).

2. Extract the c4i file to the My Documents\Control4\Drivers directory. If you are using Windows 7 or 8 this will be extracted to the Libraries\Documents\Control4\Drivers directory.
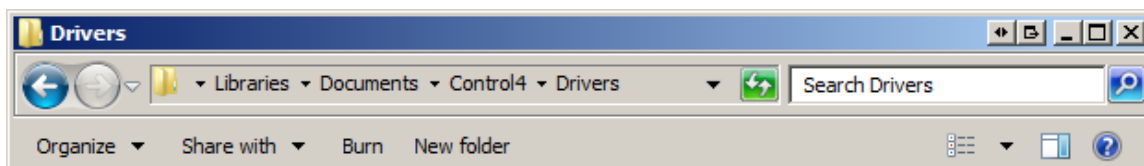
3. You are now ready to add and configure the driver via the Composer Pro software.

Adding the driver to your project

IMPORTANT – Before undertaking the installation of the driver please follow the licencing steps outlined at the end of this document.

1. Launch the Composer Pro application and connect to your project

2. In the '**System Design**' page select the '**Search**' tab on the right hand side.

3. Select '**Chowmain** as the manufacturer.
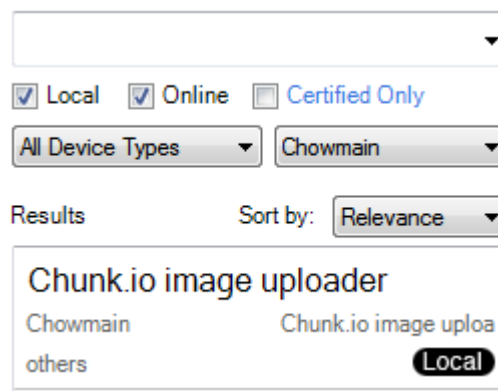
4. Double click on the '**Chunk.io image uploader**' driver to add it to your project

5. Highlight the '**Chunk.io image uploader**' driver on the left hand side.

6. Congratulations your driver has been set up. You now need to program an event to get the image.

## Sending an image with 4sight email notifications.

1. Click on the **'Agents'** Tab.

Agents

2. Click on the **Email Notification** Agent

3. Click on the **Add** Button

4. Type a name for the new template

5. Fill out the template

6. Click on the Add Variable button
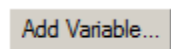
Add Variable...

7. Expand the Chunk.io Image uploader driver by pressing the + symbol next to it.

8. Select the UPLOADED_IMAGE_URL variable under the Chunk.io image uploader driver
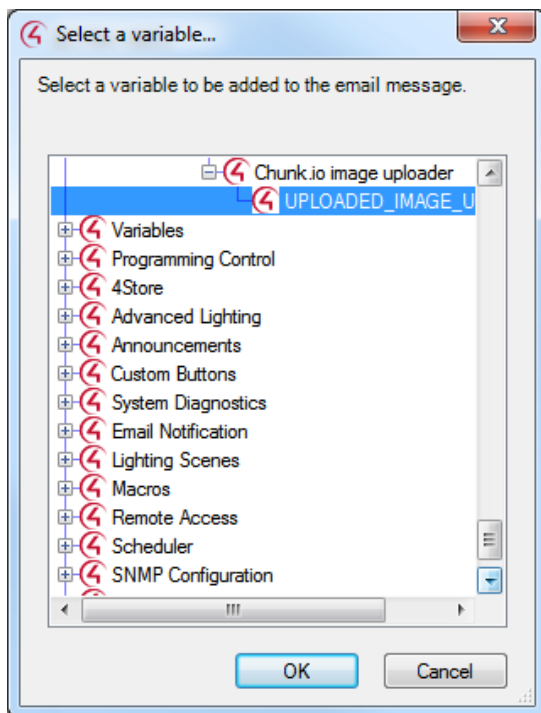
9. Click on the OK button

10. Your notification should look something like this.

Body | Dear Alan,

Someone has pushed your doorbell. Click on the link below to view a snapshot of the person.

${Development::Chunk.io image uploader::UPLOADED_IMAGE_URL}

11. Click on the Save button

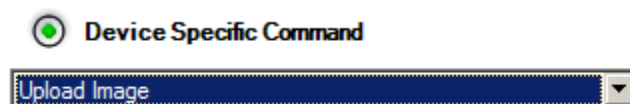12. Click on the '**Programming**' Tab

13. Select the event you want to get the image upload in (we recommend something like a doorbell).

14. Under 'Device Actions select the '**Chunk.io image uploader**' driver

15. Under the '**Chunk.io image uploader Actions'** select radio button next to '**Device Specific Command**'
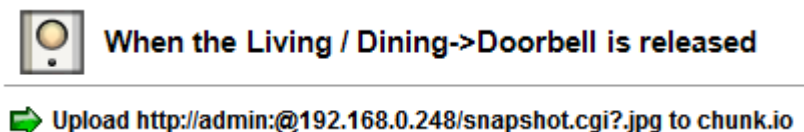
16. In the dropdown box select the '**Upload Image**'.

17. In the Textbox labelled URL type in the URL of the camera snapshot. You may need to look at the IP cameras API or HTML source to get this information.

18. Drag and drop the green arrow into the script section.

19. On the events side of the screen select the '**Chunk.io image uploader'** driver.

20. Click on the event '**File Uploaded**' (this event is fired when the image has been uploaded).

21. Under the '**Email Notification Actions**' select the template in the dropdown box that we created earlier.

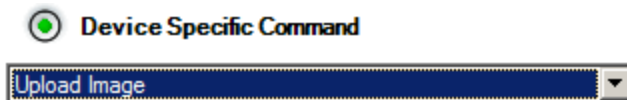22. Drag and drop the green arrow onto your script.

23. Congratulations you have set up a 4sight email notification with uploaded snapshot.

Sending an image with other notification services.

1. Click on the '**Programming**' Tab

2. Select the event you want to get the image upload in (we recommend something like a doorbell).

3. Under 'Device Actions select the '**Chunk.io image uploader**' driver

4. Under the '**Chunk.io image uploader Actions'** select radio button next to '**Device Specific Command**'

5. In the dropdown box select the '**Upload Image**'.

6. In the Textbox labelled URL type in the URL of the camera snapshot. You may need to look at the IP cameras API or HTML source to get this information.

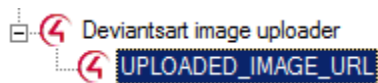7. Drag and drop the green arrow into the script section.

8. On the events side of the screen select the '**Chunk.io image uploader'** driver.

9. Click on the event '**File Uploaded**' (this event is fired when the image has been uploaded).

10. Select the notification service driver you want to use (eg push notify)

11. Enter in the notification and select the UPLOADED_IMAGE_URL as the variable to insert

    NOTE: Variable insertion methods depend on each driver. Please read the installation guide for the notification service you are using and follow the steps outlined in that document for insertion of the UPLOADED_IMAGE_URL variable.

12. Drag and drop the green arrow onto your script.

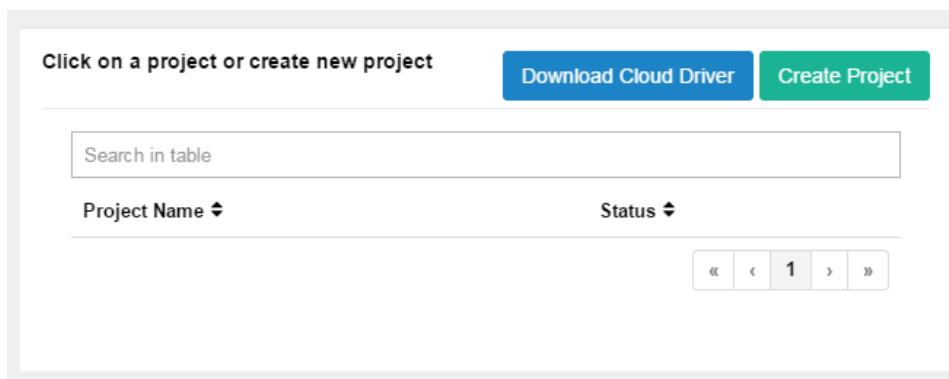13. Congratulations you have set up notification with uploaded snapshot.

Licencing

Chowmain drivers require a valid licence to use the driver. Drivers can be purchased from our distributor driverCentral however all Chowmain drivers come with a 7 day trial. We recommend that prior to purchasing a driver that you test the driver out to ensure that it will work with your hardware and will meet your requirements.   The licencing procedure is broken down into 4 steps. A summary of the steps are below along however we have also provided detailed steps if the summary is not sufficient.

Summary

1. Create your project on the driverCentral.io website (This will generate a specific token which you will use in the next step)

2. Download, install and activate the driverCentral cloud driver in your project (Only once per project. Use the token generated in step 1)

3. (Optional) To try a driver, simply download it and install it in your project

4. To purchase a driver:

    a. On driverCentral, purchase a license and register it to your project

    b. If the driver is not already installed in your project, download it and install it

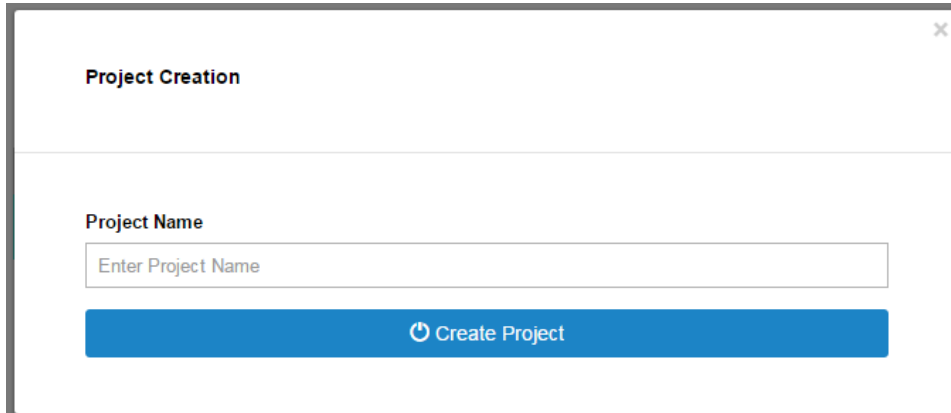   c. If necessary, use the cloud driver's Action: "Check Drivers" to force licence download to the project.

STEP 1 - Creating your project on driverCentral

1. Visit http://www.drivercentral.io

2. Log into your driver Central dealer account.

3. Visit the Project Portal

4. Click on Create Project

Click on a project or create new project	Download Cloud Driver	Create Project
Search in table		
Project Name ⇕	Status ⇕	
		« ‹ 1 › »
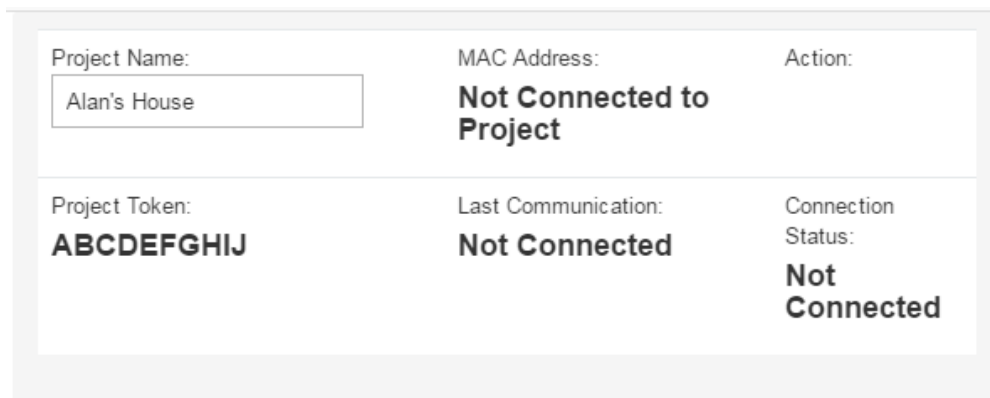
5. It will prompt you for a project name. Type in a meaningful name for your customer's project

6. Click on Create Project

7. Click on the project we just created to expand the project

8. Take note of the Project Token as this will be used in STEP 3 when we install the driverCentral cloud driver.

![chowmain software & apps logo]

STEP 2 –Purchase driver licence

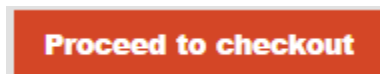1. Visit https://www.drivercentral.io/chowmain-ltd/ and find the product/driver you want to purchase a licence for.

2. Click on the Add to Cart button

ADD TO CART

3. Click on the Shopping Cart icon in the top right corner and click on View cart
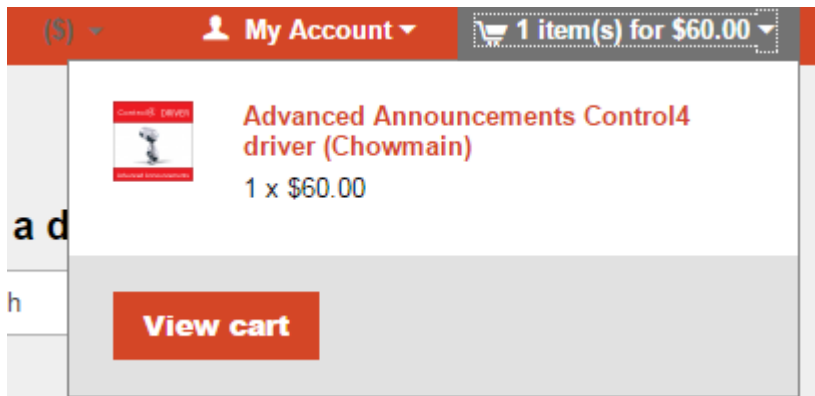
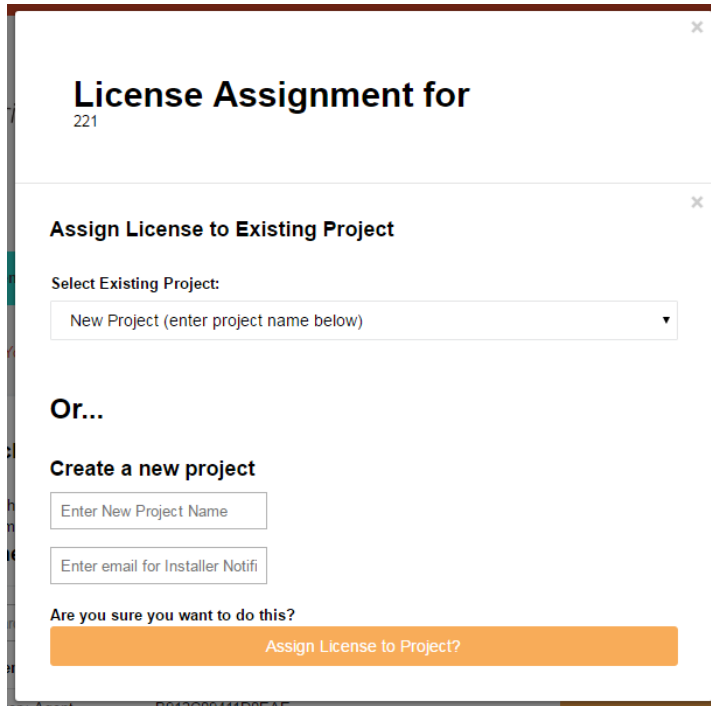4. Confirm that your order is correct and click on Proceed to checkout

Proceed to checkout

5. Follow the prompts and click on Sib,ot ,u Prder

SUBMIT MY ORDER

6. This will take you to PayPal for payment.

7. Pay via PayPal. It will automatically return to the marketplace when confirmed.

8. You will now be at a page where you can see your purchased licence.

License Name ⬍	License Key ⬍	Project Assigned ⬍	Action ⬍
▬▬▬▬▬▬			Assign to Project

9. From here assign the licence to the project we created or if you did not follow that step create a new project
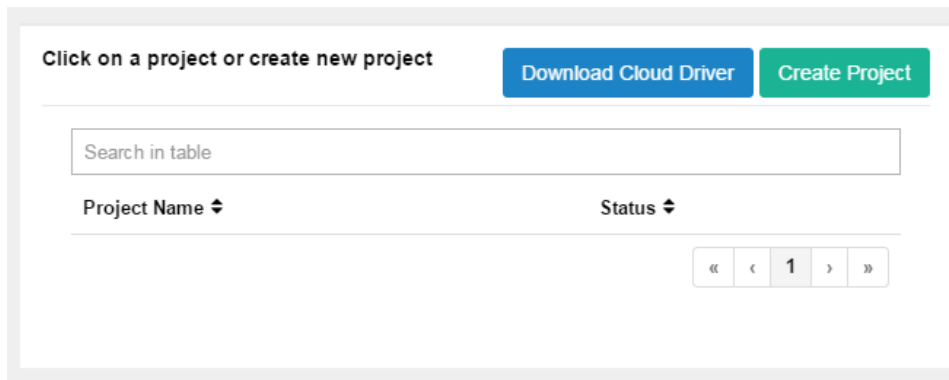
STEP 3 – Install and activate the driverCentral cloud driver

NOTE: Only one instance of the driverCentral cloud driver installed per project. Do not install additional cloud drivers.

1. Visit http://www.drivercentral.io

2. Log into your driver Central dealer account.

3. Visit the Project Portal

4. Click on Download Cloud Driver

5. Copy the C4Z driver to My Documents\Control4\Drivers directory.

6. Add the driver to your project.

7. Click on the driver to view it's properties

Cloud Status	Please enter cloud project token below….
Project Information	(1) Total, (0) Licensed, (0) Trials, (1) Expired, (0) Updates.
Driver Version	1001
Project Token	
	Project token from driverCentral.io project portal
Driver Actions	⌄
Debug Mode	Off ⌄

8. Type in the project token we took note of in STEP 1.

9. Click on the Actions tab

10. Click on Check Drivers

STEP 4 – Install Chowmain driver

1. Install the Chowmain driver

2. You will notice that the Activation Status reflects a Licence Activated state.

3. Any driver that does not have a purchased licence will have a trial licence activated via the marketplace. Note that there is no way to reactivate the trial so please use wisely.

4. If you do not then press the Check Drivers action in the driverCentral Cloud driver again.

Activation Status	Update Available!!! License Activated
Driver Version	1002
Driver Information	Navigate to connections tab and make serial binding
Automatic Updates	Off ⌄