



# Raster Foundry

Get answers from earth imagery quickly and repeatably





## COMPANY & PRODUCT



Example Multi Image Project

chris+user

Scenes

Color mode

Annotations

Exports

Share

Scenes (4)

Add scenes

Browse

Import

Sep 27, 2017  
Sentinel-2

Sep 25, 2017  
PlanetScope - 4 Band

Jul 7, 2017  
Landsat 8

Sep 6, 2017  
UAV - 3 Band

Filters

Close

Clear all filters

Date Range

None

Set Date Filter

Cloud cover

0

10

20

30

40

50

60

70

80

90

100

Sun elevation

0

30

60

90

120

150

180

Sun azimuth

0

60

120

180

240

300

360

Ingest Status

Show All

Uningested Only

Ingested Only

Imagery sources

None

Owner

All Users

My Imports





Vegetation Before



close

Vegetation After



close



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Apply Changes

Input  
VIS - After

Project Williams Lake Change

Band 3

Input  
NIR - After

Project Williams Lake Change

Band 5

Input  
VIS - Before

Project Williams Lake - PR ... Change

Band 2

Input  
NIR - Before

Project Williams Lake - PR ... Change

Band 3

Function  
NDVI - Addition

VIS - After  
+

NIR - After

Function  
NDVI - Subtraction

VIS - After  
-

NIR - After

Function  
NDVI - Addition

VIS - Before  
+

NIR - Before

Function  
NDVI - Subtraction

VIS - Before  
-

NIR - Before

Function  
NDVI - Division

NDVI - Addition  
/

NDVI - Subtraction

Function  
NDVI - Division

NDVI - Addition  
/

NDVI - Subtraction

## A **Scene** has many images

- Extra large tiffs that need to be pre-tiled
- Landsat scenes that have one tiff per band





API

Get a list of a project's scene IDs an...

Save color-correction parameters f...

Get a project's saved color-correcti...

Save color-correction parameters f...

Get a list of scene IDs belonging to ...

Set a z-index order for scenes withl...

## Scenes

Get a list of scenes

Create a scene

Get scene details

Update a scene

Delete a scene

Get scene statistics for a tile

Get a list of thumbnails

Get thumbnail details

## Images

Get a list of images in a project

Create an image

Get the details of an image

Update an image

Refresh Token

Get Session Token

Enter Session Token

## Scenes

## Create a scene

POST /scenes/

## Request Body

Format

json

id:	string	unique identifier for object
organizationid:	string	uid for organization
owner:	string	User who owns the object
createdAt:	string	timestamp of object creation
modifiedAt:	string	timestamp of object modification
name:	string	The display name of the project
ingestLocation:	string	Where scene is ingested (pyramided/tiled)
ingestSizeBytes:	integer	Size of ingested data in bytes.
visibility:	string	Level of restriction on viewing
tags:	array	Tags associated with image
images:	array	
thumbnails:	array	
dataSource:	string	Data source scene originated from

curl No Token

## Example Request

```
curl -i \
-H "Accept: application/json" \
-X POST -d
'{"id":"string","organizationId":"string","owner":"string","createdAt":"string","modifiedAt":"string","name":"string","ingestLocation":"string","ingestSizeBytes":"integer","visibility":"string","tags":"array","images":"array","thumbnails":"array","dataSource":"string","sceneMetadata":"object","metadataFiles":"array","filterFields":"object","statusFields":"object"}' \
'https://app.rasterfoundry.com/api/scenes/'
```







## ← Annotations

[Show Hotkey Tips](#)

This is some text about  
annotating.

[Upload](#)[Export](#)

No annotations have been made

### New annotation

[Rectangle](#)[Polygon](#)[Point](#)

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## Annotations

[Show Hotkey Tips](#)

This is some text about annotating.

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### Filter by label

All

[Cancel](#)[Add](#)

### New annotation

[Rectangle](#)[Polygon](#)[Point](#)

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## Annotations

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### Filter by label

All



Ship



Ship



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[Upload](#)[Export](#)**Filter by label**

All



Ship



Ship



Ship



Ship



Ship



Ship

**New annotation**[Rectangle](#)[Polygon](#)[Point](#)

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### Filter by label



Ship



Ship



Ship



Ship



Ship



Ship



### New annotation

[Rectangle](#)[Polygon](#)[Point](#)

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<https://ml-demo.rasterfoundry.com>

