

The API

Unleashing Efficiency with Cascade

Awakens

Presented By:

Danielle Ferrell

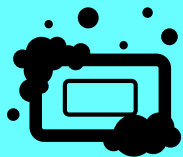
Zachery Morgan

Philip Kukla

A New HOPE

CLEAN & REDESIGN

Launched our redesigned site in 2023, we implemented naming conventions, global & reusable resources, CM governance, etc.



UPKEEP & SUPPORT

- Maintain a page count around 4,500 & 2,000 PDFs
- Review page & PDF requests strategically
- Make it easier for CMs to do tasks with minimal skill level



THE API AWAKENS

We took on more workload & responsibility. To help, we use the REST API in news, a browser extension, PDF conversions, etc.



THE WILD WEST

Old site was disorganized, users had full access, & minimal oversight.

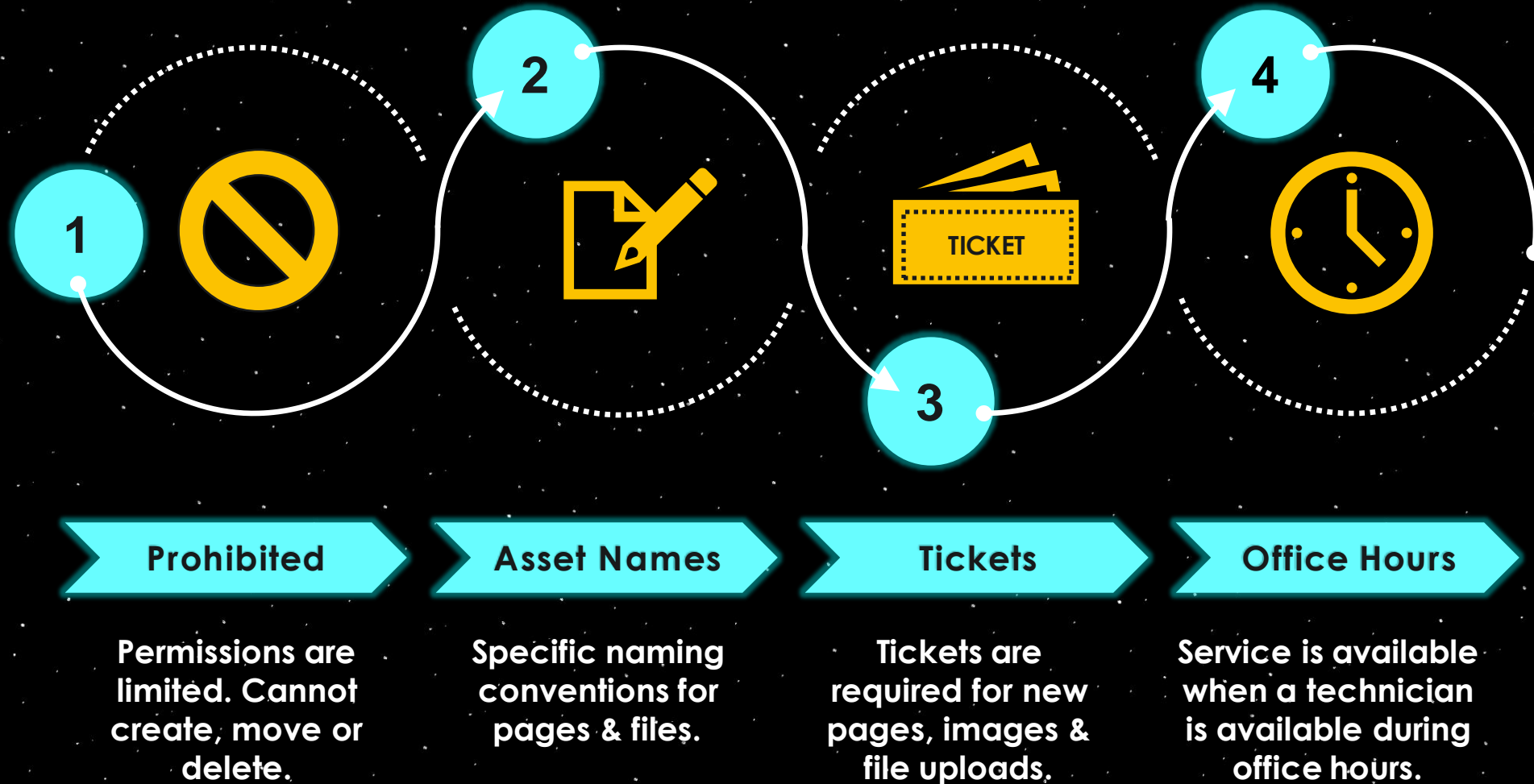
- 20,000+ Pages
- 18,000+ PDFs
- 700+ Content Managers (CMs)
- A lot of break/fix tickets



Integrating Microsoft with Cascade

Zachery Morgan

Challenges



Technologies Used



1 MICROSOFT POWER PLATFORM

Power App & Power Automate (backend flows handle operations from the app)

2 MICROSOFT AZURE

Azure Functions (handles more complex JavaScript that Microsoft cannot)

3 SHARP (NODE PACKAGE)

Resize, Crop, & Optimize Photos

4 PHOTOSHELTER API

Read Photo Properties & Downloads Photos

5 CASCADE API

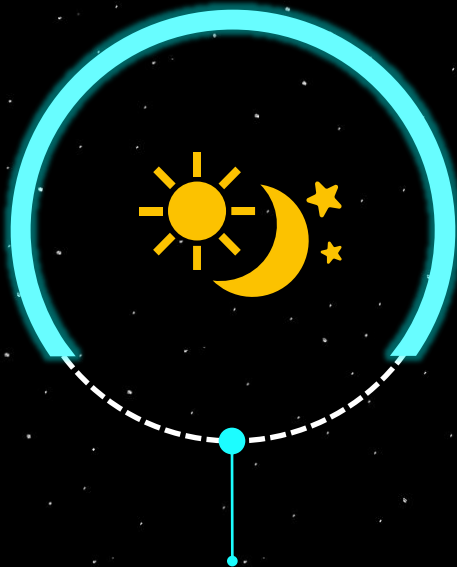
Searches Cascade for Assets & Uploads Assets

Benefits



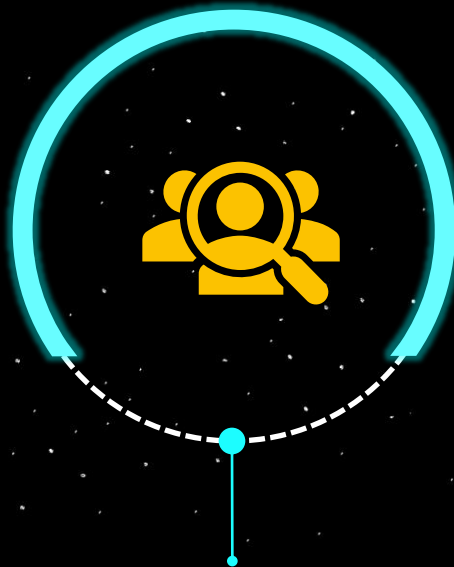
Auto Organization

Ensures new pages are created in the correct folder, every time.



Create Anytime

Content Managers (CMs) can create pages anytime, even after hours.



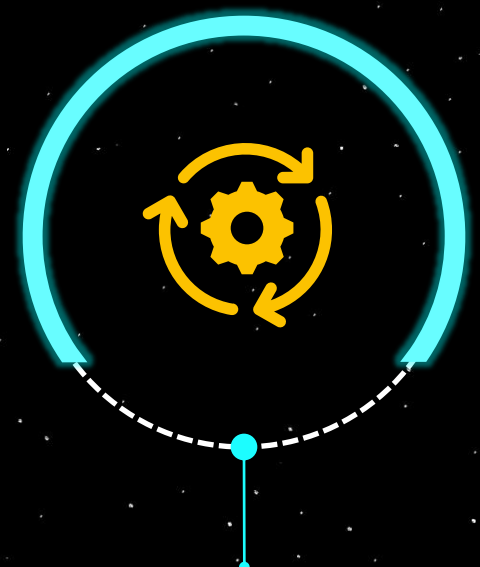
CM Control

CMs can create articles & optimize images without the Web Team.



Creation Limits

Set limits on the number of assets a CM can create within a timeframe.



Auto Review

Photo optimization, upload and naming convention is automated.

Simplifying Tasks with Browser Extensions

Philip Kukla & Zachery Morgan



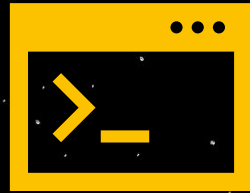
Intro to The REST API

Philip Kukla

What to Expect



Program Languages



JSON Response



Automation



Authentication

REST JSON Page Response Example

- Structured Data Nodes
- Nodelet Groups
- Nodelets

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Participate in one of our upcoming events, apply to be a Project Manager, or browse the available Internship Opportunities!

```
"type": "group",
"identifier": "narrow-content",
"structuralDataNodes": [
  {
    "type": "text",
    "identifier": "show-section-nav",
    "text": "No",
    "recycled": false
  },
  {
    "type": "text",
    "identifier": "intro-text",
    "text": "<p class='intro-text'><span>Participate in one of our upcoming events, apply to be a Project Manager, or browse the available Internship Opportunities!</span></p>",
    "recycled": false
  }
]
```

Example Scripting Projects

Philip Kukla

Searching Assets

POWERFUL

More powerful search options than standalone Cascade search



COMBINE

Combine both the Web App and the API to find assets



OUTPUTS

More powerful search options than standalone Cascade search



CURRENT STATE

Save the current state of assets (pages, blocks, etc.)



SEARCH

Search metadata, structured data, data notes (helper function(s))



SAVE

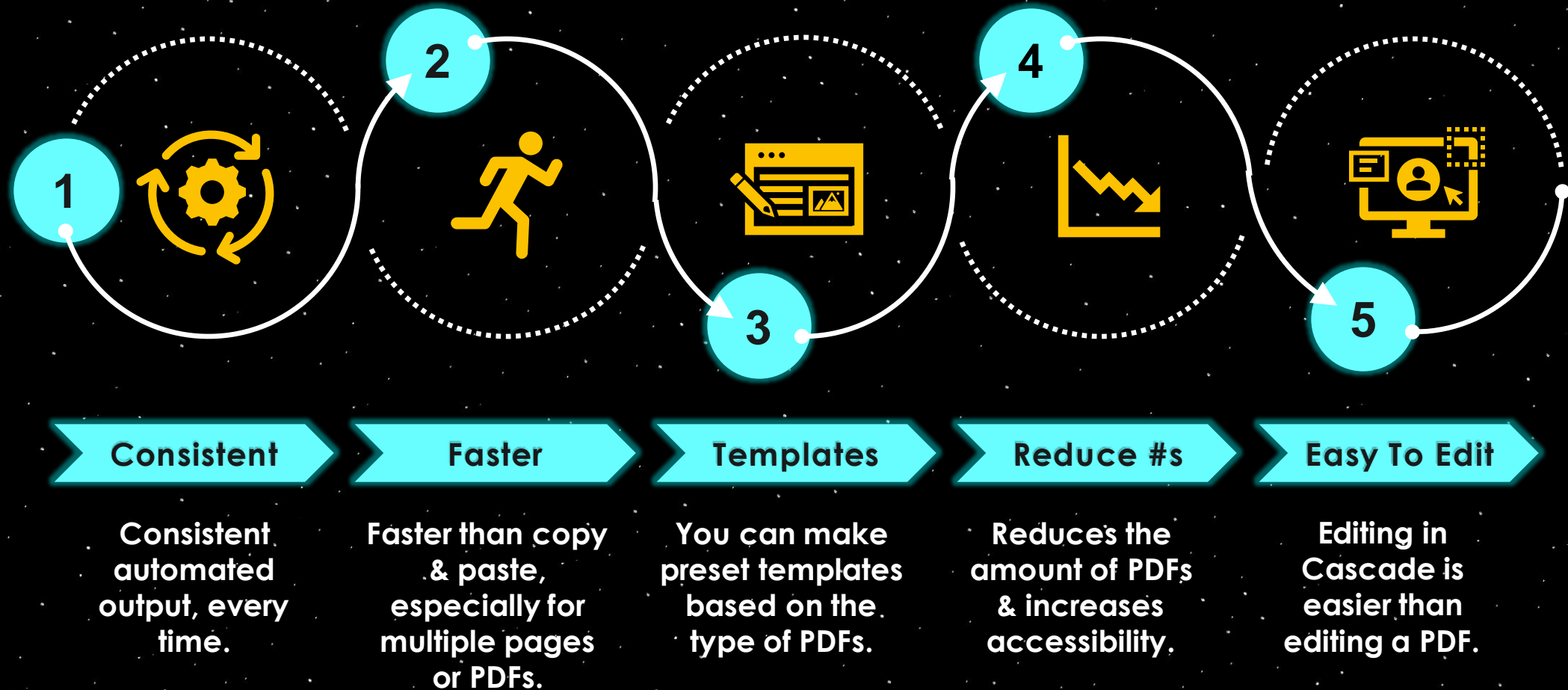
Save to specified output (csv, JSON, log etc.)



WHY

PROCESS

PDF conversion benefits





THANK YOU!

Resources



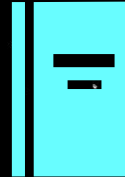
OUR CUSTOM LIBRARIES

- [Cascade API Javascript Library](#)
- [Cascade API Swagger/OpenAPI Docs](#)



DOCUMENTATION

- [Microsoft Power Platform](#)
- [Microsoft Azure](#)
- [Sharp \(Node Package\)](#)
- [PhotoShelter API](#)
- [Cascade API](#)
- <https://{YourOrg}.cascadecms.com/ws/services/AssetOperationService?wsdl>



CONTACT

Slack

- @Danielle Ferrell
- @Zachery Morgan
- @Philip Kukla

LinkedIn

- [linkedin.com/in/dferrell](https://www.linkedin.com/in/dferrell)
- [linkedin.com/in/zacherymorgan](https://www.linkedin.com/in/zacherymorgan)
- [linkedin.com/in/philipkukla](https://www.linkedin.com/in/philipkukla)