

# Programming Cisco Intersight

The Easy Way with Postman

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# Agenda

- Introduction
- Postman
  - The Postman Collection
  - Import the Collection
  - Setup the Environment
- Intersight
- Run the Intersight Requests



# Intersight Postman

# Intersight Postman Collection

<https://github.com/movinalot/intersight-rest-api>

The screenshot shows the GitHub repository page for `movinalot / intersight-rest-api`. The repository is described as "Intersight REST API interactions with Postman and Python". It has 22 commits, 1 branch, 0 packages, 0 releases, and 1 contributor. The latest commit is `68cdf2` on Jan 27. The repository contains three files: `key` (update for developer user, 3 months ago), `.gitignore` (wrong repo, 3 months ago), and `Intersight.postman_environment.json` (updates to collection and environment, 11 months ago).

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movinalot / intersight-rest-api

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Intersight REST API interactions with Postman and Python

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22 commits 1 branch 0 packages 0 releases 1 contributor MIT

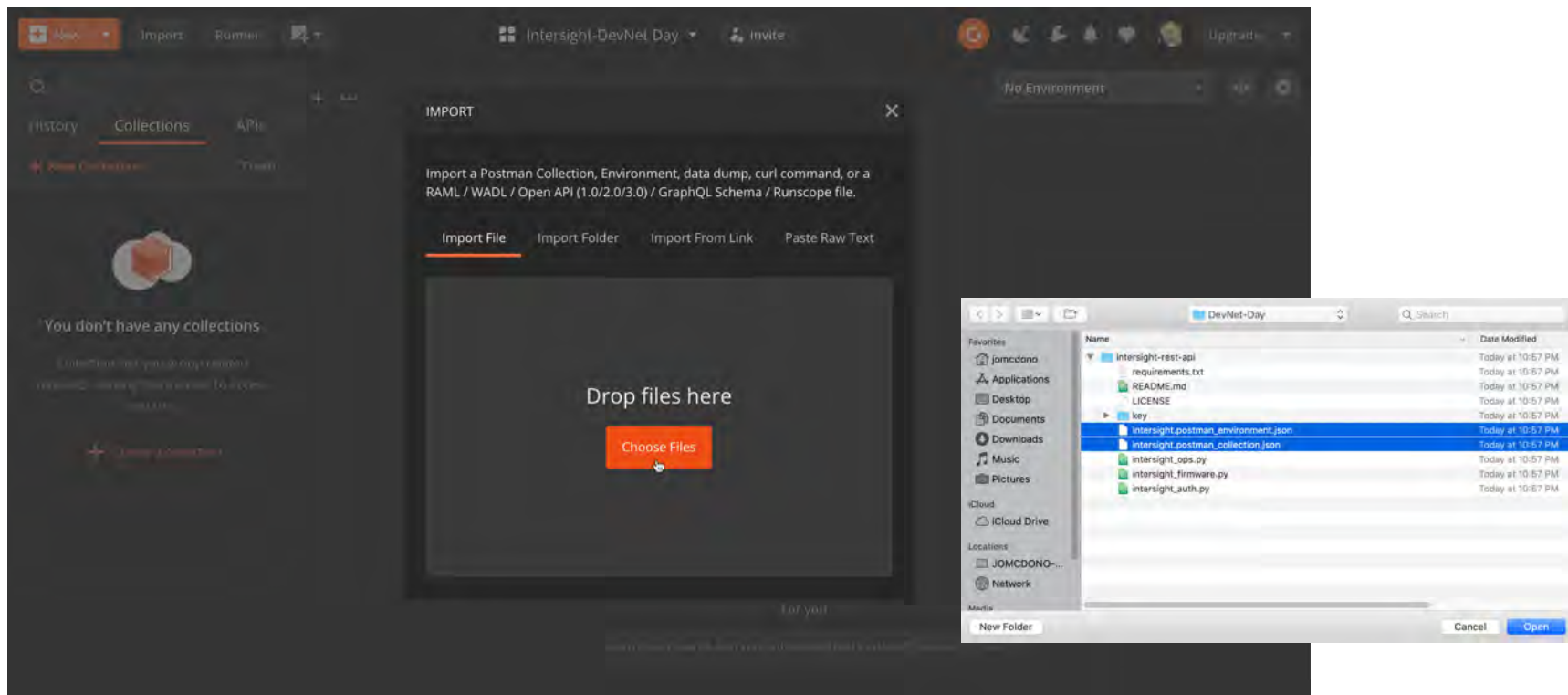
Branch: master New pull request

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movinalot wrong repo Latest commit 68cdf2 on Jan 27

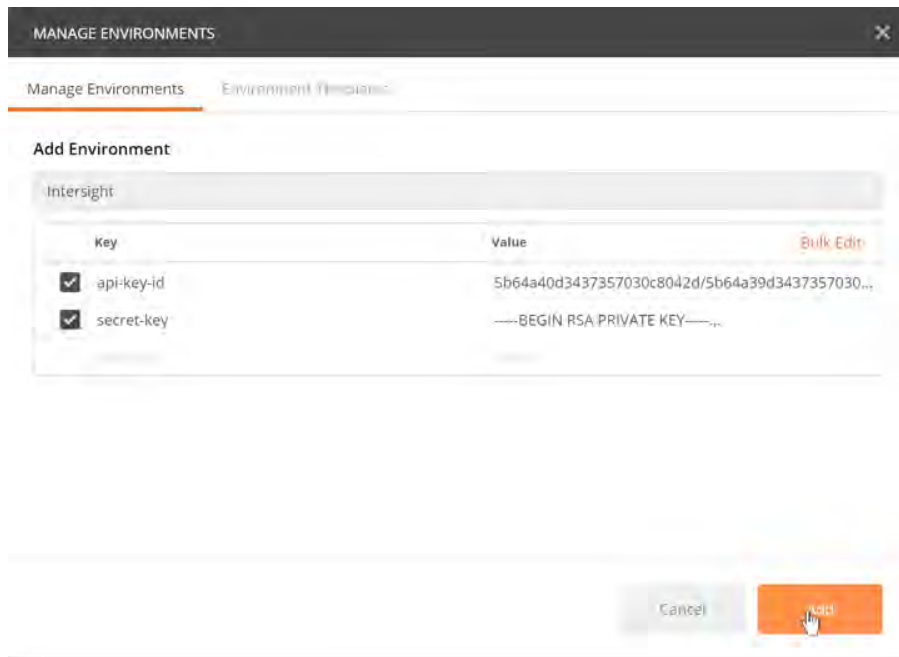
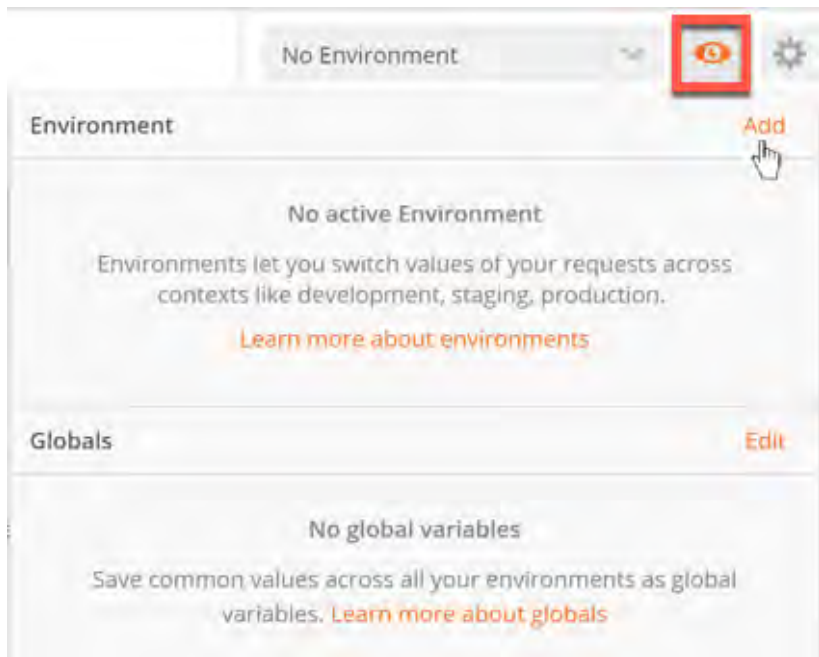
key	update for developer user	3 months ago
.gitignore	wrong repo	3 months ago
Intersight.postman_environment.json	updates to collection and environment	11 months ago

# Postman – Import the Collection

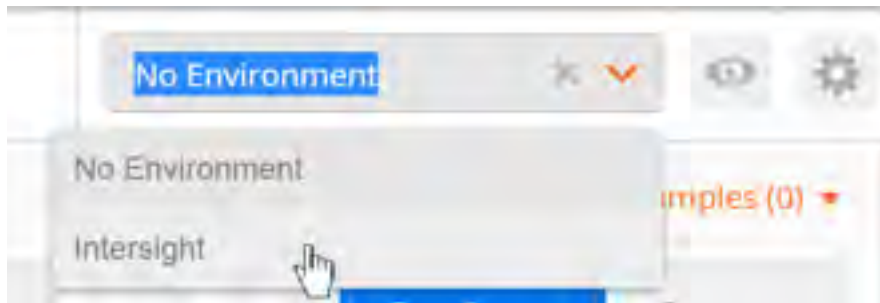


# Postman – Add Intersight Environment

Add two environment variables – api-key-id and secret-key

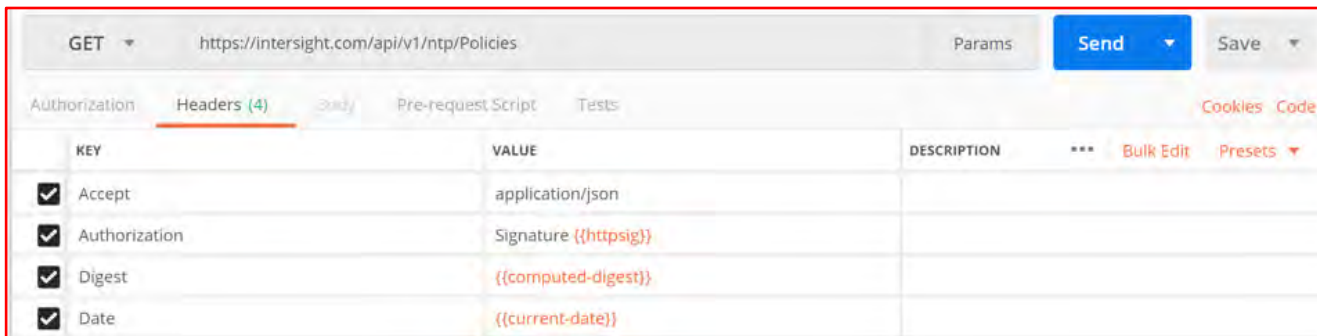


# Postman – Select / View Environment





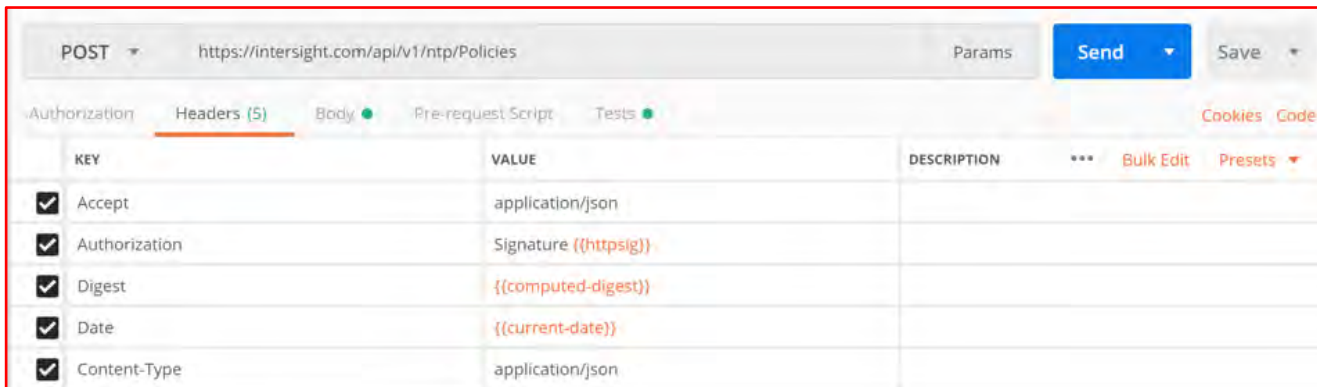
# Postman – View Request Headers



GET https://intersight.com/api/v1/ntp/Policies Params Send Save

Authorization Headers (4) Body Pre-request Script Tests Cookies Code

KEY	VALUE	DESCRIPTION	*** Bulk Edit Presets ▼
<input checked="" type="checkbox"/> Accept	application/json		
<input checked="" type="checkbox"/> Authorization	Signature {{httpsig}}		
<input checked="" type="checkbox"/> Digest	{{computed-digest}}		
<input checked="" type="checkbox"/> Date	{{current-date}}		



POST https://intersight.com/api/v1/ntp/Policies Params Send Save

Authorization Headers (5) Body ● Pre-request Script Tests ● Cookies Code

KEY	VALUE	DESCRIPTION	*** Bulk Edit Presets ▼
<input checked="" type="checkbox"/> Accept	application/json		
<input checked="" type="checkbox"/> Authorization	Signature {{httpsig}}		
<input checked="" type="checkbox"/> Digest	{{computed-digest}}		
<input checked="" type="checkbox"/> Date	{{current-date}}		
<input checked="" type="checkbox"/> Content-Type	application/json		



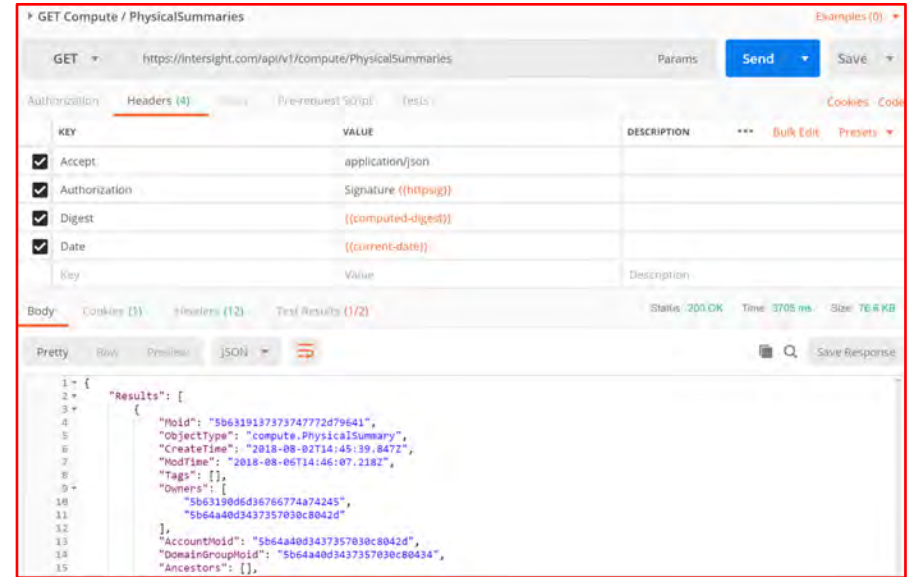
# Postman – Collection Pre-Request Script

- All requests an encrypted signature of the request
- Every requested is passed through the Collection Pre-Request script
- The Collection Pre-Request script set environment variables for the headers

httpsig	keyId="5b64a40d3437357030c8042d/5b64a39d3437357030c7fc44/5b64e0393437357030cc8d00",algorithm="rsa-sha256",headers="(request-target) date...	keyId="5b64a40d3437357030c8042d/5b64a39d3437357030c7fc44/5b64e0393437357030cc8d00",algorithm="rsa-sha256",headers="(request-target) date...
computed-digest	SHA-256=47DEQpj8HBSa+/TImW+5JCeuQeRkm5NMpJWZG3hSuFU=	SHA-256=47DEQpj8HBSa+/TImW+5JCeuQeRkm5NMpJWZG3hSuFU=
current-date	Fri, 03 Aug 2018 23:14:28 GMT	Fri, 03 Aug 2018 23:14:28 GMT
target-url	/api/v1/ntp/Policies/5b64e1c8626c346a6d281014	/api/v1/ntp/Policies/5b64e1c8626c346a6d281014

# Postman – Run the Requests

- Get compute/PhysicalSummaries
  - Retrieves compute information
- Get ntp/Policies
  - Retrieves NTP Policy information
- Post ntp/Polcies
  - Creates an NTP Policy
- Post / Patch ntp/Policies
  - Updates an NTP Policy
- DELETE ntp/Policies
  - Deletes an NTP Policy



# Explore More

- Intersight Learning Labs

<https://developer.cisco.com/learning/modules/intersight-rest-api>

- intersight-rest-api github repository

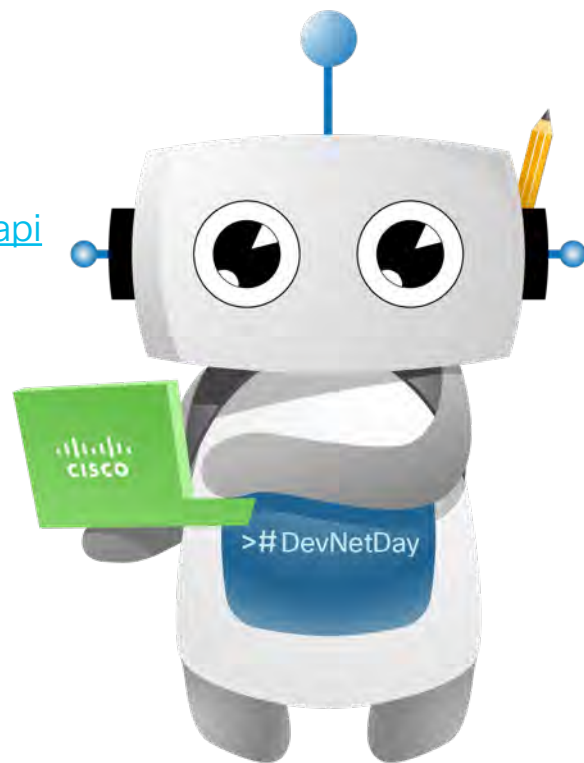
<https://github.com/movinalot/intersight-rest-api>

- Intersight Developer Center

<https://developer.cisco.com/site/intersight/>

- Intersight API Documentation

<https://intersight.com/apidocs>



Thank you





# Possibilities

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