

# Starmap Datasets

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## Document Level Classification

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## Introduction

Starmap is an API for persisting infrastructure data at Epic.

- **Starmap models relations between teams and infrastructure.**
  - Secrets Management and Codefresh model data in Starmap to drive configuration in Vault, Kubernetes, Codefresh, and more.
- **Starmap aggregates infrastructure data.**
  - Almost every application that interacts with infrastructure wants to know which team is associated with the infrastructure. Next you'll want to know which people are on those teams. And then you'll realize you want some other data like which AWS account or which Kubernetes clusters are related to those teams. Starmap has all of this data behind a single API.

- **Starmap is designed to save you time.**
  - It provides an API, client library, persistence, query capabilities, authentication, pre-populated data, and more out of the box. Don't reinvent the wheel.

This document details the datasets available from Starmap, including their synchronization frequency and original data sources. Additionally, it identifies datasets that are either empty or not in use. Overall, this document serves as a comprehensive reference to the data provided by Starmap and documents any known bugs that user should be aware of.

## Which datasets are available?

Dataset	API Path	Data Co
Account	<div>/v1/accounts</div> <div>/v1/accounts/{id}</div>	<div><ul style="list-style-type: none"><li>• <a href="#">star</a></li><li>• <a href="#">star</a></li></ul></div>

AwsIAMRole	<div>/v1/awsiamroles</div> <div>/v1/awsiamroles/{id}</div>	<div>starmap</div> <div>iam-role</div> <div>collector</div>
Certificate	<div>/v1/certificates</div> <div>/v1/certificates/{id}</div>	<div>service-</div> <div>endpoint</div>
Cluster	<div>/v1/clusters</div> <div>/v1/clusters/{id}</div>	<div><ul style="list-style-type: none"><li>• starmap</li><li>cluster</li><li>collector</li></ul></div> <div><ul style="list-style-type: none"><li>• starmap</li><li>nan</li><li>collector</li></ul></div>

CodefreshAccount	<a href="#">/v1/codefreshaccounts</a> <a href="#">/v1/codefreshaccounts/{id}</a>	<a href="#">starmap</a> <a href="#">codefresh</a> <a href="#">accounts</a> <a href="#">collector</a>
CodefreshAccountRole	<a href="#">/v1/codefreshaccountroles</a> <a href="#">/v1/codefreshaccountroles/{id}</a>	<a href="#">starmap</a> <a href="#">codefresh</a> <a href="#">accounts</a> <a href="#">collector</a>
CodefreshAccountFeatures	<a href="#">/v1/codefreshaccountfeatures</a>	

	<code>/v1/codefreshaccountfeatures/{id}</code>	<a href="#">starmap</a> <a href="#">codefresh</a> <a href="#">automation</a>
CodefreshAccountClusterIntegration	<code>/v1/codefreshaccountclusterintegrations</code> <code>/v1/codefreshaccountclusterintegrations/{id}</code>	<a href="#">starmap</a> <a href="#">codefresh</a> <a href="#">automation</a>

DNSRecord	<div>/v1/dnsrecords</div> <div>/v1/dnsrecords/{id}</div>	<div>starmap</div> <div>collector</div>
DNSZone	<div>/v1/dnszones</div> <div>/v1/dnszones/{id}</div>	<div>starmap</div> <div>collector</div>

Deployment	<div>/v1/deployments</div> <div>/v1/deployments/{id}</div>	<div>starmap</div> <div>namespace</div> <div>collector</div>
Ingress	<div>/v1/ingresses</div> <div>/v1/ingresses/{id}</div>	<div>starmap</div> <div>namespace</div> <div>collector</div>
KubeService	<div>/v1/kubeservices</div> <div>/v1/kubeservices/{id}</div>	<div>starmap</div> <div>namespace</div> <div>collector</div>

KubeServiceAccount	<div>/v1/kubeserviceaccounts</div> <div>/v1/kubeserviceaccounts/{id}</div>	<div>starmap</div> <div>namespa</div> <div>collector</div>
LoadBalancer	<div>/v1/loadbalancers</div> <div>/v1/loadbalancers/{id}</div>	<div>starmap</div> <div>collector</div>
Namespace	<div>/v1/namespaces</div> <div>/v1/namespaces/{id}</div>	<div><ul style="list-style-type: none"><li>• <div>star</div><div>nan</div><div>coll</div></li><li>• <div>star</div><div>rba</div><div>coll</div></li></ul></div>



Person	<code>/v1/people</code> <code>/v1/people/{id}</code>	<a href="#">starmap</a> <a href="#">collector</a>

ServiceEndpoint	<div>/v1/serviceendpoints</div> <div>/v1/serviceendpoints/{id}</div>	<div>service- endpoint</div>
Subnet	<div>/v1/subnets</div> <div>/v1/subnets/{id}</div>	<div>starmap network- collector</div>
TFEOrganization	<div>/v1/tfeorganizations</div> <div>/v1/tfeorganizations/{id}</div>	<div><ul style="list-style-type: none"><li>• TFE</li><li>• star vau</li></ul></div>

Team	<div>/v1/teams/</div> <div>/v1/teams/{id}</div>	<div>starmap</div> <div>collector</div>
VPC	<div>/v1/vpcs</div> <div>/v1/vpcs/{id}</div>	<div>starmap</div> <div>network-</div> <div>collector</div>

VaultPath	/v1/vaultpaths /v1/vaultpaths/{id}	<ul style="list-style-type: none"> <li>• <a href="#">SSS</a></li> <li>• <a href="#">star</a></li> <li>• <a href="#">vau</a></li> </ul>
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## Notes

- [starmap-keda-vault-access-granter](#)
  - The starmap-keda-vault-access-granter is suppose to write VaultPaths to Starmap in order to enable KEDA controller authentication against Vault
  - The development is halted and this integration with KEDA does not currently work
- [slms-be](#)
  - The slms-be originally
    - Writes VaultPaths to Starmap to onboard students with SSSM and Vault
    - Writes updates to special Team team-substrate-user in Starmap to onboard students with SSSM
  - This service is current decommissioned

## Which datasets are not available?

Dataset	API path	Description
ArtifactoryDockerImage	<code>/v1/artifactorydockerimages</code> <code>/v1/artifactorydockerimages/{id}</code>	This dataset is a PaaS MVP entity. It is not being used and could be dropped.
ArtifactoryProject	<code>/v1/artifactoryprojects</code> <code>/v1/artifactoryprojects/{id}</code>	This dataset is a PaaS MVP entity. It is not being used and could be dropped.
ArtifactoryRepository	<code>/v1/artifactoryrepositories</code> <code>/v1/artifactoryrepositories/{id}</code>	This dataset is a PaaS MVP entity. It is not being used and could be dropped.
Brand	<code>/v1/brands</code> <code>/v1/brands/{id}</code>	This dataset is empty and never used.
KubeAddon	<code>/v1/kubeaddons</code>	This dataset is a Cluster Lifecycle

	/v1/kubeaddons/{id}	Management (CLM) entity and is not being used.
KubeHealthCheck	/v1/kubehealthchecks /v1/kubehealthchecks/{id}	This dataset is a Cluster Lifecycle Management (CLM) entity and is not being used.
Lock	/v1/locks /v1/locks/{id}	This dataset was used to retrieve simple distributed locking mechanism, but is no longer in used and could be dropped.
NewRelic	/v1/newrelic /v1/newrelic/{id}	This dataset is empty and never used.
Service	/v1/services /v1/services/{id}	This dataset is a PaaS MVP entity. It is not being used

		and could be dropped.
ServiceVersion	/v1/serviceversions /v1/serviceversions/{id}	This dataset is a PaaS MVP entity. It is not being used and could be dropped.
Sumologic	/v1/sumologic /v1/sumologic/{id}	This dataset is empty and never used.
WorkerGroup	/v1/workergroups /v1/workergroups/{id}	This dataset is a Cluster Lifecycle Management (CLM) entity and is not being used.

## Which dataset fields are currently not in use?

Dataset	Field	Description
Account	stewards	The field was designed but never used
Account	stewards_email	The field was designed but never used

Deployment	methods	Current no value in this field
Deployment	status	Current no value in this field
Person	eos_training	The field was designed but never used

## Known Bugs

There is currently no known bugs that would result in user retrieving inaccurate data from Starmap.

The following link is provides for bug tracking: <https://jira.it.epicgames.com/secure/RapidBoard.jspa?rapidView=24607&view=planning.nodetail&issueLimit=100#>

## Reference

Swagger:

- Dev: <https://starmap.dead.dev.use1a.on.epicgames.com/v1/#/>
- Live: <https://starmap.on.epicgames.com/v1/#/>

Starmap database schema: <https://github.ol.epicgames.net/substrate/starmap/blob/master/docs/Model.png>

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