



Mozilla TaskCluster

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What is TaskCluster

- set of components that manages task queuing, scheduling, execution and provisioning of resources
- designed to run automated builds and tests at Mozilla
- interaction:
 - user submits a task-graph to the scheduler
 - scheduler posts tasks to the queue
 - tasks are executed by workers
 - provisioner launches worker nodes depending on how many pending tasks we have

Documentation site

- <http://docs.taskcluster.net/>
- Github repository
 - <https://github.com/taskcluster/taskcluster-docs>
- 21 contributors
- Info about services of TaskCluster
- Generated from JSON files
- Generator in JavaScript

Illustration

JSON

```
"entries": [  
  {  
    "type": "function",  
    "method": "put",  
    "route": "/secret/<name>",  
    "args": [  
      "name"  
    ],  
    "name": "set",  
    "stability": "experimental",  
    "title": "Create Secret",  
    "description": "Set a secret associated with some key. If the secret  
already exists, it is updated instead.",  
    "scopes": [  
      [  
        "secrets:set:<name>"  
      ]  
    ],  
    "input": "http://schemas.taskcluster.net/secrets/v1/secret.json#"  
  }  
]
```

Documentation

Functions

Signature	Summary
<code>set(name, payload) : void</code>	Create Secret
<code>remove(name) : void</code>	Delete Secret
<code>get(name) : result</code>	Read Secret
<code>list() : result</code>	List Secrets
<code>ping() : void</code>	Ping Server

Create Secret

Method `put`
Route `/secret/<name>`
Scopes `secrets:set:<name>`
Signature `set(name, payload) : void`

Set a secret associated with some key. If the secret already exists, it is updated instead.

Assignment

- Add generating of stability level to JS generator of the web
- Add css styles depending on the stability level
 - Stable
 - Experimental
 - Deprecated

Communication with developers

- Bugzilla
 - https://bugzilla.mozilla.org/show_bug.cgi?id=1222982
- Available mentor
- Already assigned to me