

Haketilo - Feature #50

Feature # 16 (Closed): create a repository to host scripts

Standardize repository APIs/data formats

07/07/2021 12:26 AM - jahoti

Status:	Closed	Start date:	07/07/2021
Priority:	Urgent	Due date:	
Assignee:		% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:			
Description			
It doesn't need to be anything formal; however, without such a standard client- and server-side development in this area cannot proceed concurrently.			

History

#1 - 07/07/2021 12:50 AM - jahoti

- Parent task set to #16

#2 - 07/21/2021 04:23 PM - koszko

Related topic: <https://hachettebugs.koszko.org/boards/1/topics/56>

#3 - 07/22/2021 11:18 AM - koszko

- % Done changed from 0 to 30

How about a JSON interface? Later on we can simply add more fields to the JSON objects described now. Please tell what you think.

Under current schema

Fetching script info

hydrilla.example.com/script?n=helloscript returns:

```
{
  "name": "helloscript",
  "location": "somedirectory/hello.js",
  "sha256": "e4dbe4dba40e8bd159fb987b0f0cf2c243d7e6b9b9dc792e58dedf1fae38b0a1"
}
```

or 404 Not Found in case "helloscript" script does not exist. hydrilla.example.com/content/somedirecotry/hello.js holds the actual script source.

Fetching bag info

hydrilla.example.com/bag?n=hellobag returns:

```
{
  "name": "hellobag",
  "components": [{"s", "helloscript"}, {"s", "someotherscript"}, {"b", "somebag"}]
}
```

or 404 Not Found in case "hellobag" bag does not exist.

Fetching pattern info

hydrilla.example.com/pattern?n=https://example.org/a/* returns:

```
{
  "pattern": "https://example.org/a/*",
  "payload": ["b", "hellobag"]
}
```

or 404 Not Found in case requested pattern does not exist.

Querying patterns that match given URL

Finally, hydrilla.example.com/query?n=https://example.org/a/b returns:

```
[{
  "pattern": "https://example.org/a/*",
  "payload": ["b", "hellobag"]
}, {
  "pattern": "https://example.org/a/b",
  "payload": ["b", "fix_by_mrcooldev"]
}, {
  "pattern": "https://example.org/a/b",
  "payload": ["b", "mod_by_missgreatskill"]
}]
```

or in case no patterns match the requested URL, it returns just:

```
[]
```

or in case the URL is of wrong format it returns some HTTP error.

Under the upcoming schema

Also, once we get to do the redesign discussed in the linked thread, the JSONs will look more like the following.

Fetching bag info

```
{
  "name": "hellobag",
  "dependencies": ["someotherbag", "yetanotherone"],
  "scripts": [{
    "location": "somedirectory/hello.js",
    "sha256": "e4dbe4dba40e8bd159fb987b0f0cf2c243d7e6b9b9dc792e58dedf1fae38b0a1"
  }, {
    "location": "somedirectory/bye.js",
    "sha256": "5099d27284c2257d2983450585cbd4bede6475519755508047e213d985cbc7c9"
  }]
}
```

Fetching resource info

hydrilla.example.com/resource?n=example_org_minimal returns:

```
{
  "name": "example_org_minimal",
  "description": "suckless something something",
  "mappings": [{
    "pattern": "https://example.org/a/*",
    "payload": "some_KISS_bag"
  }, {
    "pattern": "https://example.org/t/*",
    "payload": "another_KISS_bag"
  }]
}
```

```
    }}  
}
```

or 404 Not Found in case "example_org_minimal" resource does not exist.

Querying patterns that match given url

hydrilla.example.com/query?n=https://example.org/a/b returns:

```
[{  
  "name": "example_org_minimal",  
  "description": "suckless something something",  
  "mappings": [{  
    "pattern": "https://example.org/a/*",  
    "payload": "some_KISS_bag"  
  }, {  
    "pattern": "https://example.org/t/*",  
    "payload": "another_KISS_bag"  
  }]  
}, {  
  "name": "example_org_experimantal",  
  "description": "[...]npatches are WANTED!",  
  "mappings": [{  
    "pattern": "https://example.org/**",  
    "payload": "quick_and_dirty_bag"  
  }]  
}]
```

#4 - 07/23/2021 11:57 AM - jahoti

- % Done changed from 30 to 100

- Status changed from New to Closed

That seems good, and it's flexible enough (being JSON) to be modified as the system evolves or even if anybody disagrees with the current setup.

For that reason I'm provisionally closing this and adopting the above; if anyone wants changes, feel free to open a new issue (or even revive this one).