

Generating, Using and Deleting Access Keys



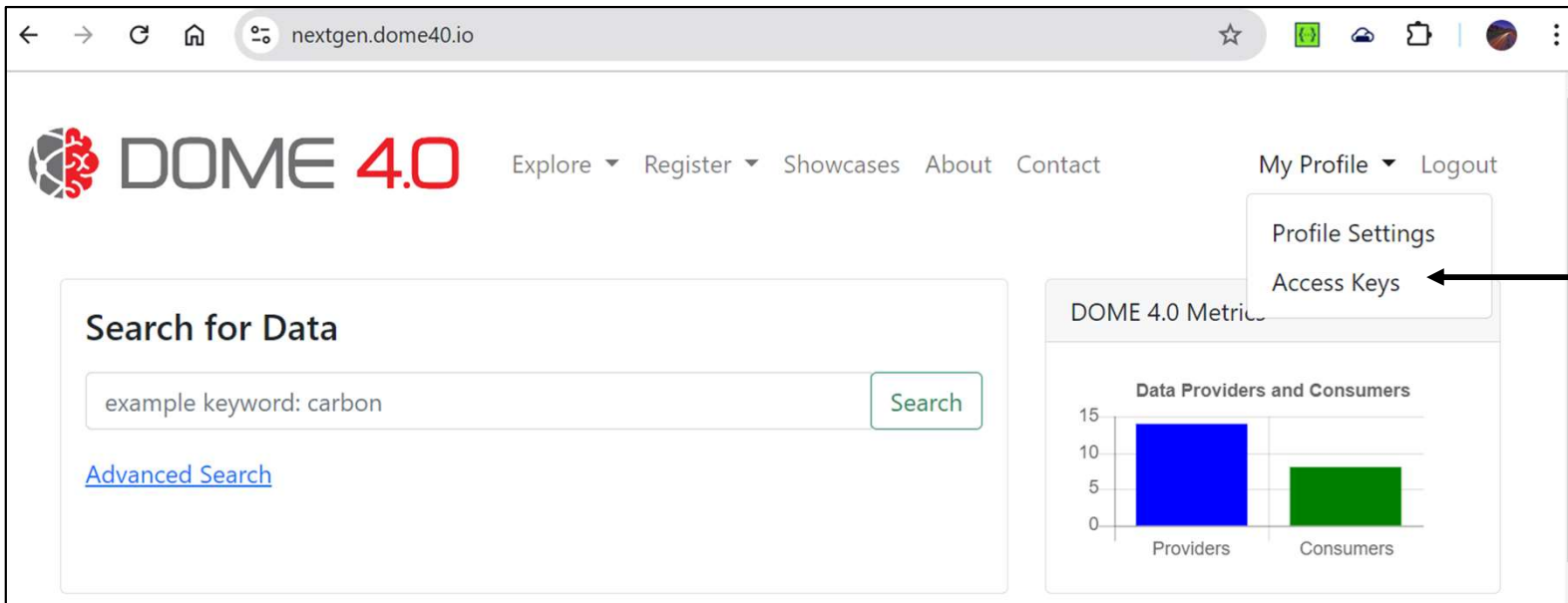
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Access Keys

Access Keys, authenticates users to utilize various DOME 4.0 public APIs to extract data from the DOME 4.0 platform, perform generic searches, and execute platform-specific searches.

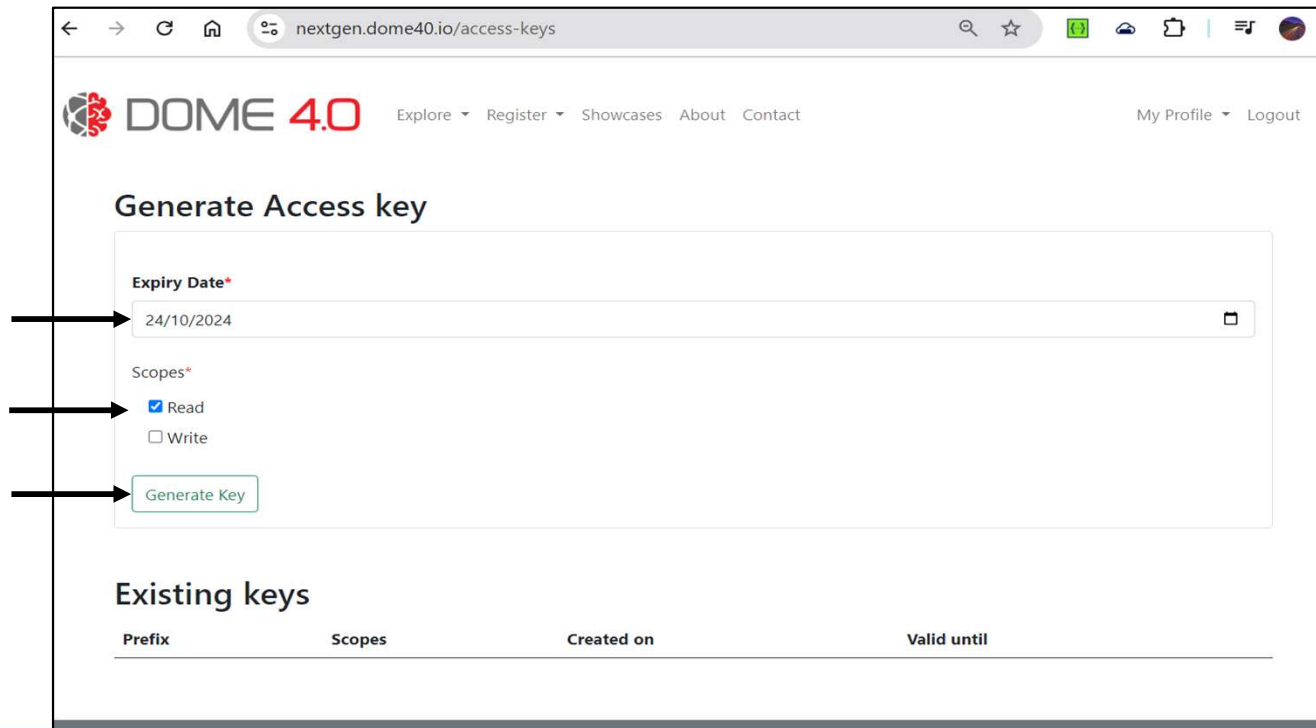
Steps to Create Access Keys

- Step1: Login to the DOME 4.0 platform and go to **My Profile** and click on **Access Keys** in the dropdown menu.



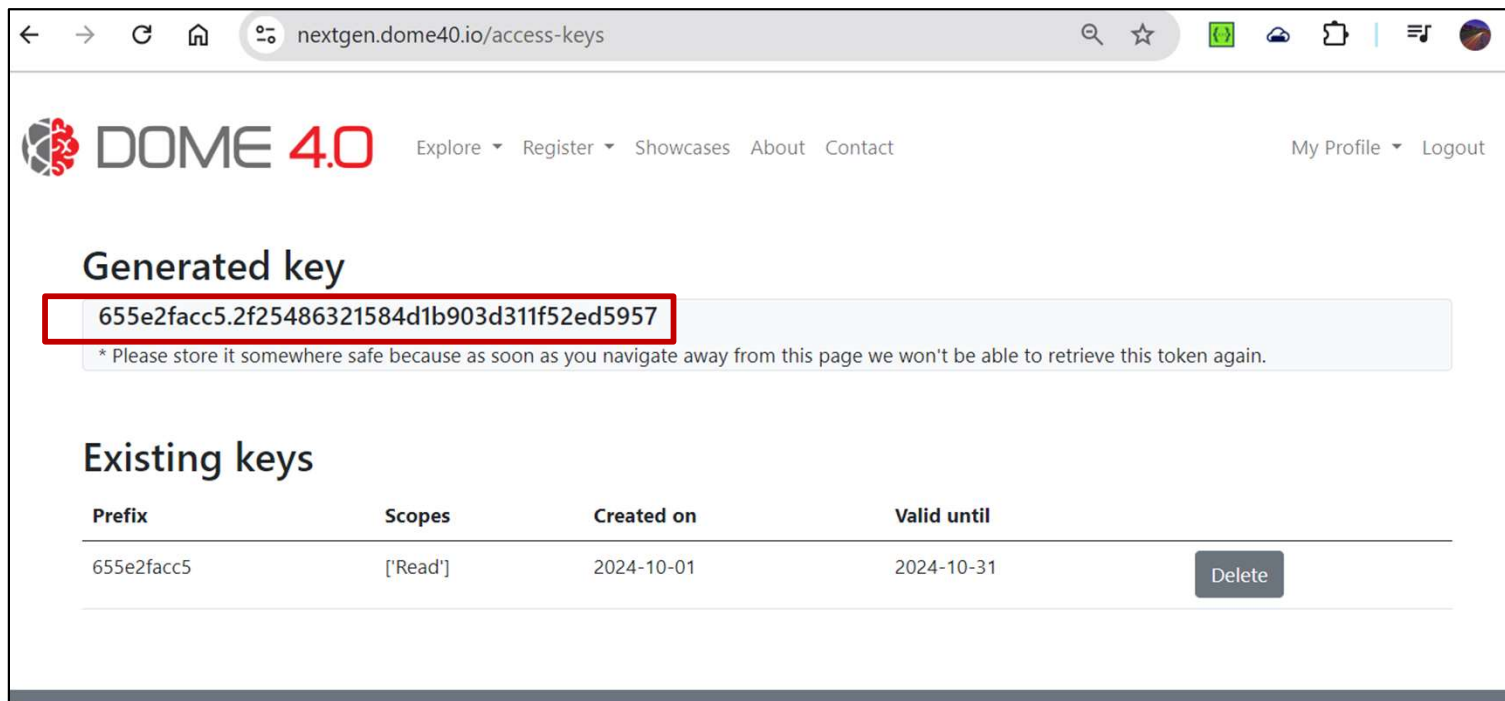
- This will take you to the Access Keys page

Step2: Once you are in the Access Keys page, set an **expiry date** for your access key and set the **scopes** and then click on **Generate Key** button



Steps to Create Access Keys

Step3: Your access key will be displayed. Be sure to store it securely, as you won't be able to view it again.

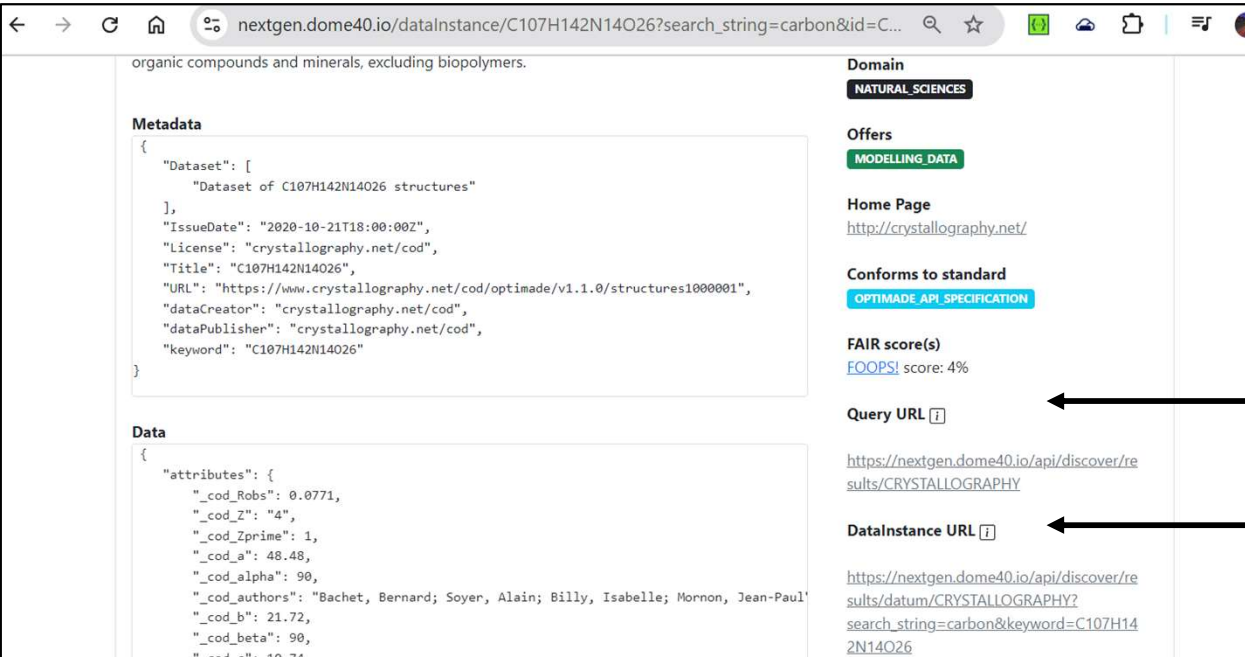


The screenshot shows the 'nextgen.dome40.io/access-keys' page. At the top, there is a navigation bar with the DOME 4.0 logo, 'Explore', 'Register', 'Showcases', 'About', and 'Contact' links, and a user profile section with 'My Profile' and 'Logout' options. The main content area is titled 'Generated key' and features a text box containing the key '655e2facc5.2f25486321584d1b903d311f52ed5957', which is highlighted with a red border. Below this, a warning message states: '* Please store it somewhere safe because as soon as you navigate away from this page we won't be able to retrieve this token again.' Underneath, the 'Existing keys' section contains a table with the following data:

Prefix	Scopes	Created on	Valid until	
655e2facc5	['Read']	2024-10-01	2024-10-31	Delete

Steps to Use Access Keys

- Once you create your access key, you can include it in the request header as follows: `headers={"apikey": your-api-key}` along with your **query URL**. The URL is available on the respective provider or data instance pages.



organic compounds and minerals, excluding biopolymers.

Metadata

```
{
  "Dataset": [
    "Dataset of C107H142N14O26 structures"
  ],
  "IssueDate": "2020-10-21T18:00:00Z",
  "License": "crystallography.net/cod",
  "Title": "C107H142N14O26",
  "URL": "https://www.crystallography.net/cod/optimade/v1.1.0/structures1000001",
  "dataCreator": "crystallography.net/cod",
  "dataPublisher": "crystallography.net/cod",
  "keyword": "C107H142N14O26"
}
```

Data

```
{
  "attributes": {
    "_cod_Robs": 0.0771,
    "_cod_Z": "4",
    "_cod_Zprime": 1,
    "_cod_a": 48.48,
    "_cod_alpha": 90,
    "_cod_authors": "Bachet, Bernard; Soyer, Alain; Billy, Isabelle; Mornon, Jean-Paul",
    "_cod_b": 21.72,
    "_cod_beta": 90,
    "_cod_c": 10.74
  }
}
```

Domain
NATURAL SCIENCES

Offers
MODELLING DATA

Home Page
<http://crystallography.net/>

Conforms to standard
OPTIMADE API SPECIFICATION

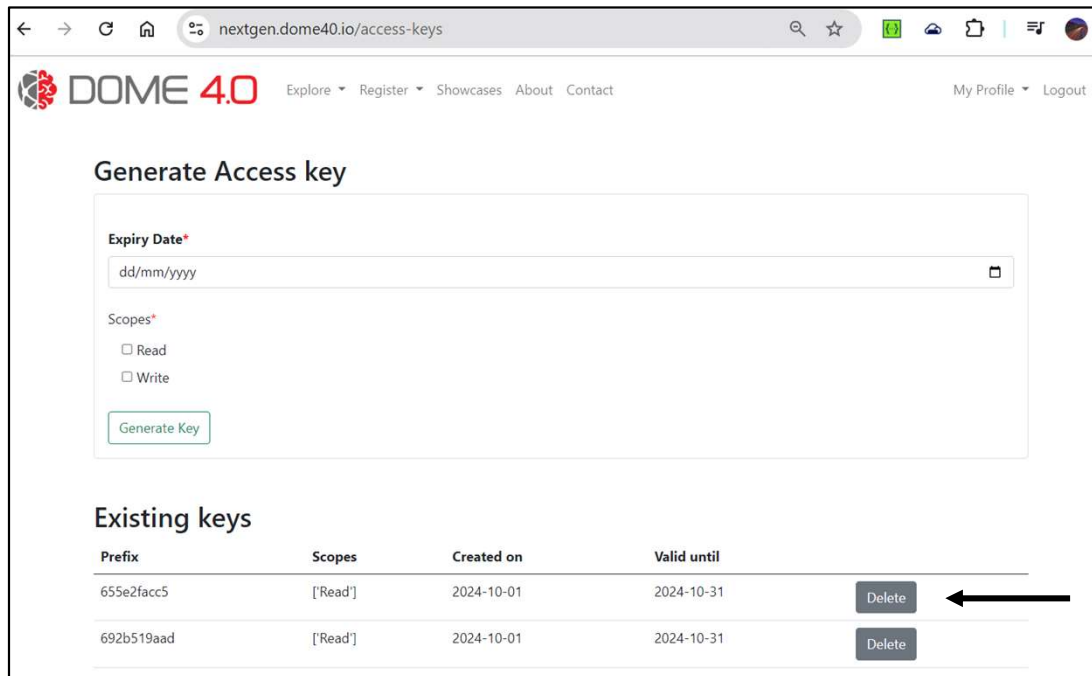
FAIR score(s)
FOOPI score: 4%

Query URL <https://nextgen.dome40.io/api/discover/results/CRYSTALLOGRAPHY>

DataInstance URL https://nextgen.dome40.io/api/discover/results/datum/CRYSTALLOGRAPHY?search_string=carbon&keyword=C107H142N14O26

Steps to Delete Access Keys

- To delete your expired or compromised access keys, navigate to the Access Keys page and click the "**Delete**" button next to the key you wish to remove. **This action is irreversible.**



The screenshot shows the 'nextgen.dome40.io/access-keys' page. It features a 'Generate Access key' form with an 'Expiry Date*' field (placeholder: dd/mm/yyyy), 'Scopes*' checkboxes for 'Read' and 'Write', and a 'Generate Key' button. Below the form is a table titled 'Existing keys' with columns for 'Prefix', 'Scopes', 'Created on', and 'Valid until'. Two keys are listed, each with a 'Delete' button. A black arrow points to the 'Delete' button for the first key.

Prefix	Scopes	Created on	Valid until	
655e2facc5	[Read]	2024-10-01	2024-10-31	Delete
692b519aad	[Read]	2024-10-01	2024-10-31	Delete