Red Hat Product Life Cycle Data API 1.0

API Documentation

Last Updated: 2020-05-13
Abstract

The API exposes a list of endpoints to query Red Hat Product Life Cycle data with certain parameters easily.
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CHAPTER 1. OVERVIEW

The API exposes a list of endpoints to query Red Hat Product Life Cycle data with certain parameters. This is the 1.0 version.

**Base URL**

https://access.redhat.com/product-life-cycles/api/v1/

**Supported Formats**

The API supports JSON format.
CHAPTER 2. PRODUCTS

2.1. LIST PRODUCT LIFE CYCLE

Abstract

List all up-to-date product life cycle data when no parameter is passed. Returns a convenience object as response with all attributes.

JSON

GET /products

2.2. PARAMETERS

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<tr>
<th>Name</th>
<th>Description</th>
<th>Example</th>
<th>Default</th>
</tr>
</thead>
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<tr>
<td>name</td>
<td>Index of products filter. Multi product names seperated by comma(,) is supported.</td>
<td>name=Red Hat Enterprise Linux,Openshift Container Platform</td>
<td>all</td>
</tr>
</tbody>
</table>
CHAPTER 3. LEGACY SUPPORT

3.1. LEGACY /LIFECYCLE ENDPOINT SUPPORT

Abstract
Support legacy API endpoint /lifecycle.

**JSON**

- GET /plccapi/lifecycle.json

**XML**

- GET /plccapi/lifecycle.xml

3.2. PARAMETERS

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Example</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>products</td>
<td>Index of products filter. Multi-products seperated by comma(,) is supported.</td>
<td>products=Red Hat Enterprise Linux, Openshift Container Platform</td>
<td>all</td>
</tr>
<tr>
<td>all_versions</td>
<td>Index of all versions including ones that are out of Red Hat service.</td>
<td>all_versions=true</td>
<td>false</td>
</tr>
</tbody>
</table>
CHAPTER 4. EXAMPLE SCRIPT

```python
#!/usr/bin/env python
from __future__ import print_function
import sys
import requests
from datetime import datetime, timedelta

API_HOST = 'https://access.redhat.com/product-life-cycles/api/v1'

def get_data(query):
    full_query = API_HOST + query
    r = requests.get(full_query)

    if r.status_code != 200:
        print('ERROR: Invalid request; returned {} for the following query:
             {}').format(r.status_code, full_query)
        sys.exit(1)
    
    if not r.json():
        print('No data returned with the following query: ')
        print(full_query)
        sys.exit(0)

    return r.json()

# Get RHEL and OpenShift Container Platform life cycle data
endpoint = '/products'
params = 'name=Red Hat Enterprise Linux,OpenShift Container Platform'
data = get_data(endpoint + '?' + params)
products = data['data']

for product in products:
    print(product)

# Get RHEL and OpenShift Container Platform life cycle data using legacy JSON endpoint with parameter all_version=true
endpoint = '/plccapi/lifecycle.json'
params = 'products=Red Hat Enterprise Linux,OpenShift Container Platform&all_versions=true'
data = get_data(endpoint + '?' + params)

for product in data:
    print(product)

print('-----')
```