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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<th>Name</th>
<th>Description</th>
<th>Example</th>
<th>Default</th>
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<tbody>
<tr>
<td>name</td>
<td>Index of products filter. Multiple product names separated by comma(,) is supported.</td>
<td>name=Red Hat Enterprise Linux, Openshift Container Platform 4</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

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<tr>
<th>Name</th>
<th>Description</th>
<th>Example</th>
<th>Default</th>
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<tbody>
<tr>
<td>products</td>
<td>Index of products filter. Multi-products seperated by comma(,) is supported.</td>
<td>products=Red%20Hat%20Enterprise%20Linux, Openshift%20Container%20Platform</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=false</td>
<td>true</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':\n'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 4 life cycle data
    endpoint = '/products'
    params = 'name=Red Hat Enterprise Linux,OpenShift Container Platform 4'
    data = get_data(endpoint + '?' + params)
    products = data['data']

    for product in products:
        print(product)

    # Get RHEL and OpenShift Container Platform 4 life cycle data using legacy JSON endpoint
    endpoint = '/plccapi/lifecycle.json'
    params = 'products=Red Hat Enterprise Linux,OpenShift Container Platform 4'
    data = get_data(endpoint + '?' + params)

    for product in data:
        print(product)

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

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