



Red Hat Product Life Cycle Data API 1.0

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API Documentation

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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

Name	Description	Example	Default
name	Index of products filter. Multi product names seperated by comma(,) is supported.	name=Red Hat Enterprise Linux,Openshift Container Platform 4	all

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

Name	Description	Example	Default
products	Index of products filter. Multi-products seperated by comma(,) is supported.	products=Red%20Hat%20Enterprise%20Linux, Openshift%20Container%20Platform	all
all_versions	Index of all versions including ones that are out of Red Hat service.	all_versions=false	true

CHAPTER 4. EXAMPLE SCRIPT

```
#!/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('-----')
```