

Custom Magento2 Module for Order processing status via API

1. Installation

1. Unzip the Module inside app/code
2. Run php bin/magento setup: upgrade, php bin/magento s:d:c
3. Make sure the Module is enabled

2. Token Generation

1. Generate Auth Key from Admin

Goto System >> Integration >> Create new Integration >> select "Smartworking - Order Status update via API"

Integrations 🔍 🔔 2 👤 local ▼

Add New Integration

Search Reset Filter 1 records found

20 per page 1 of 1

Name	Status	Activate	Edit	Delete
<input type="text"/>	<input type="text"/>			
OrderProcessing ▲ Integration not secure	Active	Reauthorize	✎	🗑

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Magento ver. 2.4.6
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Edit "OrderProcessing" Integration ← Back Save

Permissions

All Users

Locked Users

User Roles

Action Log

Report

Bulk Actions

Other Settings

Notifications

Show Toolbar

Show List

Mark as Read

Remove

Custom Variables

Manage Encryption Key

Global Search

Smartworking - Order Status update via API

5. Use Access Token as Bearer Auth in Postman

Edit "OrderProcessing" Integration

← BackSave

Current User Identity Verification

Your Password *

Integration Details

Consumer Key

dfsY555quf0Jecadj5q8j13bfhlkq2r

Consumer Secret

2ogqcm1d6o82iv4kb9g3280aog234w7i

Access Token

5fwq4t3sygpecjzjlm78wae03y3qf7w

Access Token Secret

3hx5y9y2bwo5t07vyxb2n14chwwsjji

3. Optimization

- API is designed and developed considering that different systems will be accessing the order status update functionality for single and multiple order updates
- The order will be processed based on the parameter in the API request (synchronous: true/false) , For bulk updates, synchronous should be passed as False.
- When synchronous is false, orders are processed in the background through the Queue process

4. Caching

- No external caching is implemented as the API call is of type PUT. Caching is helpful for GET calls only.

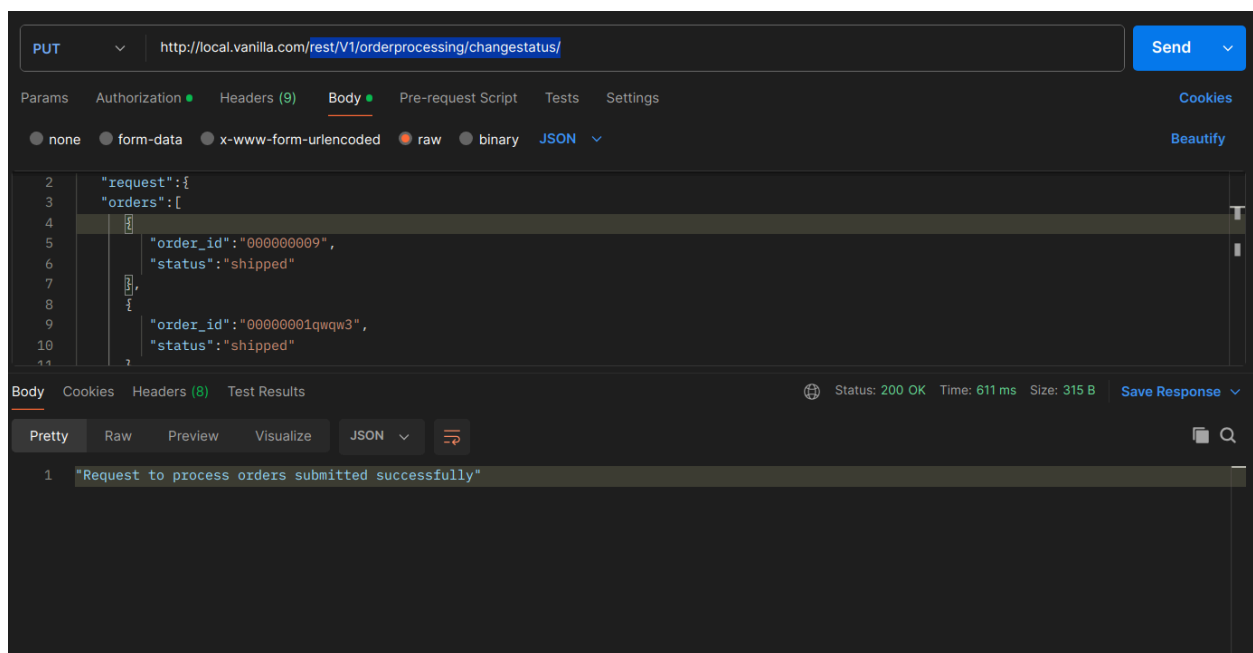
5. Update Order status with synchronous = false

URL : rest/V1/orderprocessing/changestatus/
TYPE : PUT

REQUEST :

```
{
  "request":{
    "orders":[
      {
        "order_id":"000000009",
        "status":"shipped"
      },
      {
        "order_id":"00000001qwqw3",
        "status":"shipped"
      }
    ],
    "synchronous" : false
  }
}
```

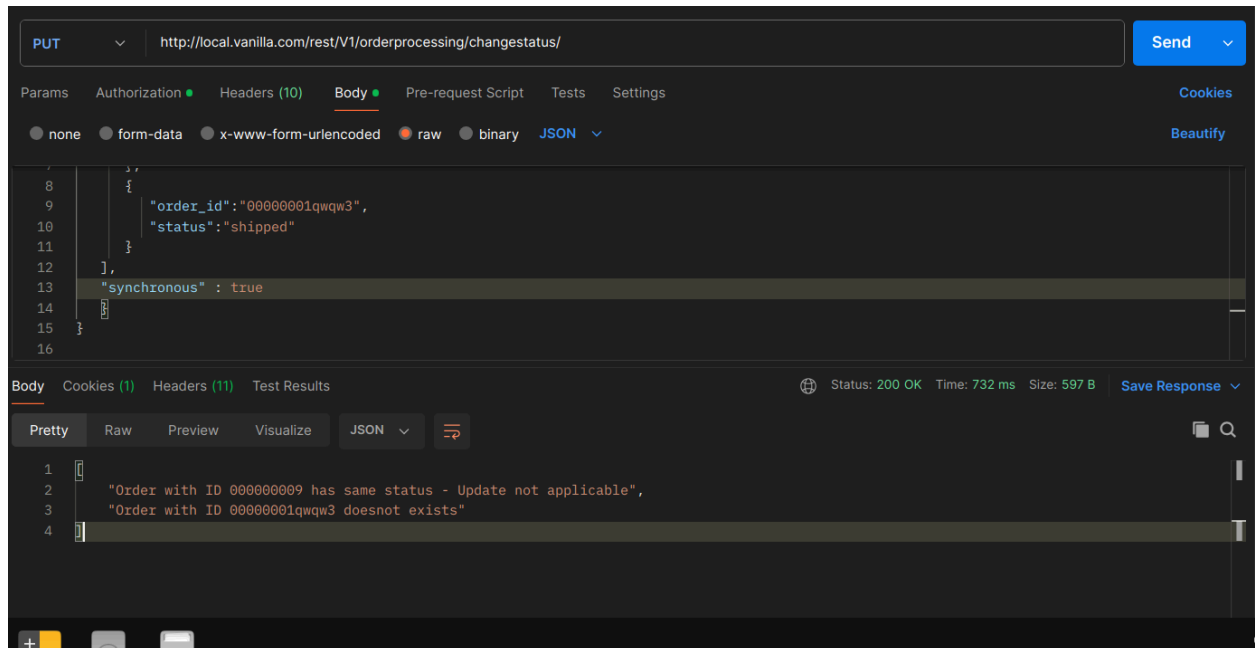
RESPONSE : "Request to process orders submitted successfully"



6. Update Order status with synchronous = true

RESPONSE :

```
[
  "Order with ID 000000009 has same status - Update not applicable",
  "Order with ID 00000001qwqw3 doesnot exists"
]
```



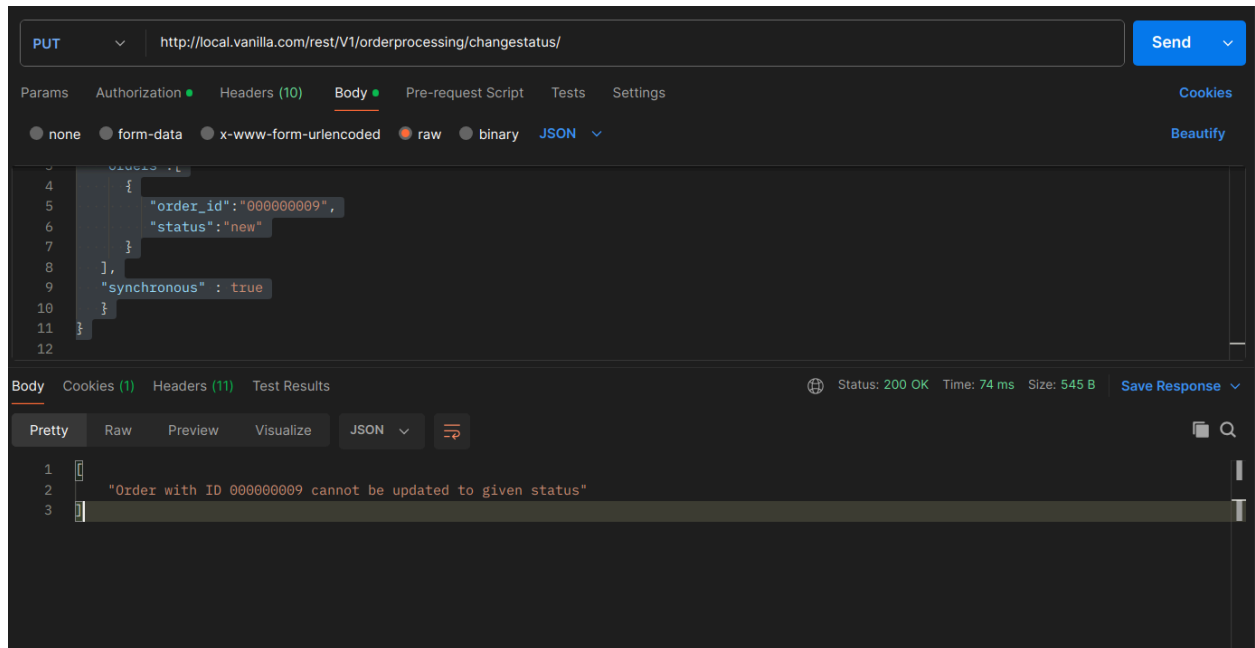
7. Order update when status Transition is not possible

REQUEST

```
{
  "request":{
    "orders":[
      {
        "order_id":"000000009",
        "status":"new"
      }
    ],
    "synchronous" : true
  }
}
```

Response :

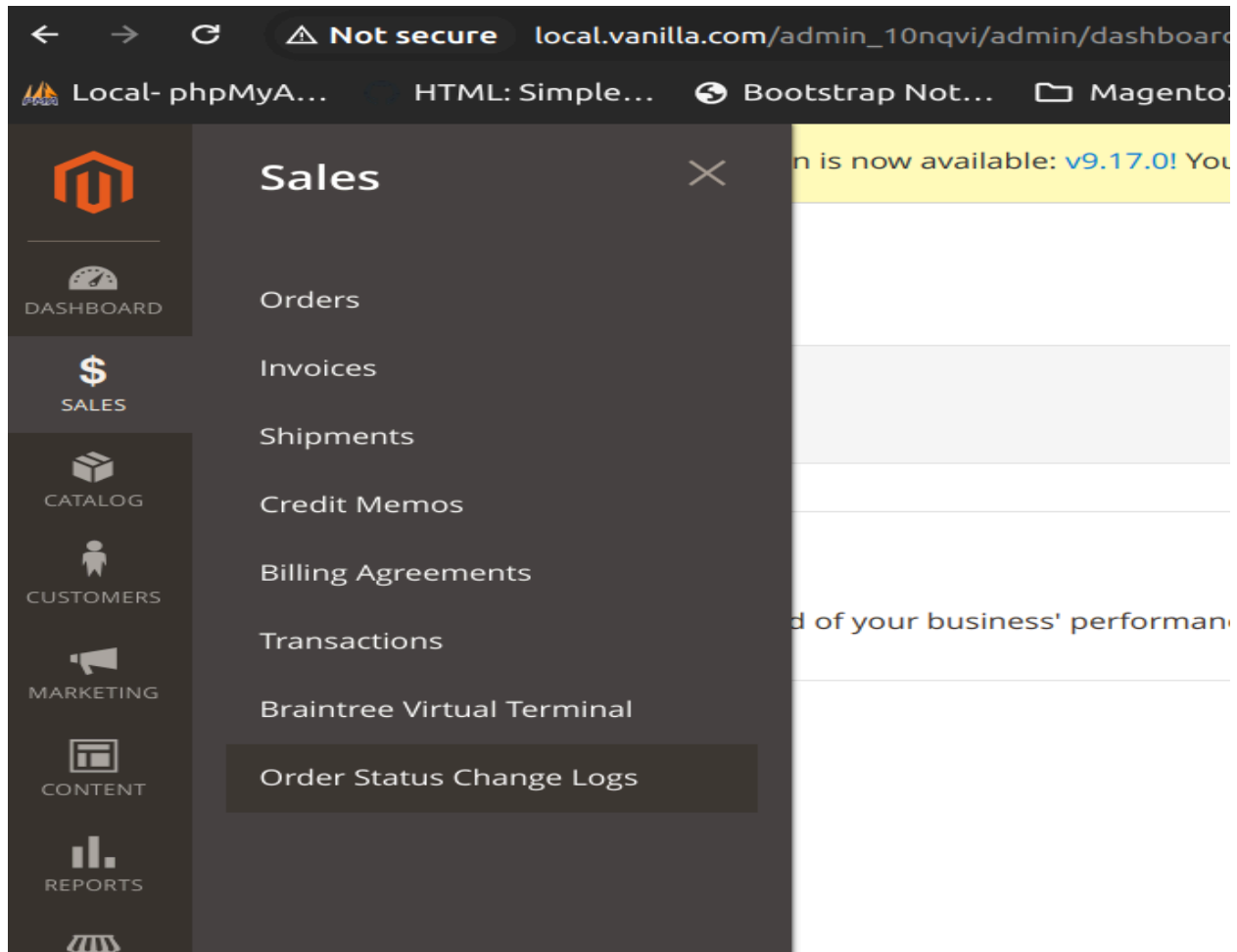
```
[
  "Order with ID 000000009 cannot be updated to given status"
]
```



8. Order status logs

All the updates in the status for an order are logged in the database and can be viewed in the admin

Goto Sales >> Order Status Change Logs



Order Status Change Logs

Search 2 local

<input type="checkbox"/>	ID	Order ID	Old Status	New Status	Created
<input type="checkbox"/>	8	000000009	processing	shipped	Mar 22, 2025 4:01:13 PM

9. Unit Test

Unit test are located at
app/code/Smartworking/CustomOrderProcessing/Test/Unit

To Test from CLI run : `vendor/phpunit/phpunit/phpunit -c dev/tests/unit/phpunit.xml.dist app/code/Smartworking/CustomOrderProcessing/Test/Unit/Model/Api/OrderProcessingTest.php`

```
maneshlalwani@EE-MaheshLalwani: /var/www/html/vanilla$ vendor/phpunit/phpunit/phpunit -c dev/tests/unit/phpunit.xml.dist app/code/Smartworking/CustomOrderProcessing/Test/Unit/Model/Api/OrderProcessingTest.php
PHPUnit 9.6.21 by Sebastian Bergmann and contributors.

.....
Time: 00:00.017, Memory: 12.00 MB

OK (5 tests, 5 assertions)
maneshlalwani@EE-MaheshLalwani: /var/www/html/vanilla$
```

10. Integration Test

1. Create an integration database

```
CREATE DATABASE magento_integration_tests;
```

2. Update Database configurations in file below

```
dev/tests/integration/etc/install-config-mysql.php
```

3. To avoid repeated installation of database, make below configurations

```
Update <const name="TESTS_CLEANUP" value="disabled"/>
```

In file

```
dev/tests/integration/phpunit.xml
```

4. Test from CLI: `vendor/phpunit/phpunit/phpunit -c dev/tests/integration/phpunit.xml app/code/Smartworking/CustomOrderProcessing/Test/Integration/Model/Api/OrderProcessingTest.php`