

EASYPARCEL MARKETPLACE API DOCUMENT

1.0.0.0 (SINGAPORE)

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Overview
The EasyParcel API allows your application to access current data within EasyParcel. However, EasyParcel API is using RESTful with PHP concept to develop API for web based applications. Through the API, several common operations can be performed on EasyParcel objects.

Base URL
All API URLs start with the following base part:
For Demo : http://demo.connect.easyparcel.my/
For Live : http://connect.easyparcel.my/

Demo URL is only for testing purposes.
Live URL is for real live transaction usage.

Getting an API key
An API key is required to build an application using our API. Here's how to get an API key:
1. Sign up an EasyParcel account at www.easyparcel.my.
2. Complete the account verification.
3. Register the key for API access.

Authentication
In order for an application to access the API, it needs to have a valid access token. The token is generated when EasyParcel grants the application access to their account. The application needs to use it for each API call to the resources. API keys carry many privileges, so be sure to keep them secret. EasyParcel expects for the API key to be included in all requests.

Rate Checking
This enable rate checking from all courier companies in EasyParcel platform. User need to provide sender and receiver address to check the shipment rate.

URL
For Live : http://connect.easyparcel.sg/?ac=MPRateCheckingBulk
For Demo : http://demo.connect.easyparcel.sg/?ac=MPRateCheckingBulk

HTTP POST Request L1

Name	Type	Required	Description
authentication	string(25)	Yes	Obtain from EasyParcel IT administrator
api	string(25)	Yes	Obtain from registered account.
bulk	array	Yes	(Refer to Request L2)

HTTP POST Request L2

Name	Type	Required	Description
pick_code	string(10)	Yes	Sender's postcode.
pick_country	string(2)	Yes	Sender's country (“SG”).
send_code	string(10)	Yes	Receiver's postcode.
send_country	string(2)	Yes	Receiver's country (“SG”).
weight	double(8,2)	Yes	The weight of the parcel.
width	double(8,2)	Optional	The width of the parcel.
length	double(8,2)	Optional	The length of the parcel.
height	double(8,2)	Optional	The height of the parcel.
date_coll	date	Optional	Check the available pickup date. If the date is left empty, the default will be today’s date. Format : “YYYY-MM-DD”

Response/ Return Value L1

Return Value	Type	Description	Remarks
api_status	string(10)	Validation result	(Refer to Appendix I)
error_code	int(5)	Error code	(Refer to Appendix I)
error_remark	string(100)	Error message	(Refer to Appendix I)
result	array	The response of the rate checking	(Refer to Response L2)

Response/ Return Value L2

Return Value	Type	Description	Remarks
status	string(10)	The status of the rate checking.	Fail / Success
remarks	string(100)	The error message for rate checking.	
rates	array	The result of the rate checking	(Refer to Response L3)

Response/ Return Value L3

Return Value	Type	Description	Remarks

service_id	string (15)	Service ID	
service_name	string (100)	Service name	
service_type	string (10)	Type of service	parcel/ document
courier_id	string (10)	Courier ID	
courier_name	string (100)	Courier name	
courier_logo	string (300)	Courier logo	
scheduled_start_date	string (50)	Scheduled pickup for parcel.	
pickup_date	date	The date to pickup the parcel.	Same day pickup only available before 12pm.
delivery	string (100)	The day(s) to deliver the parcel.	
price	double(8,2)	Booking price.	

Example Code

```
<?php
$domain = "http://demo.connect.easyparcel.sg/?ac=";

$action = "MPRateCheckingBulk";
$postparam = array(
'authentication' => 'xxxxxx',
'api' => 'xxxxxx',
'bulk' => array(
array(
'pick_code' => '059893',
'pick_country' => 'SG',
'send_code' => '059897',
'send_country' => 'SG',
'weight' => '10',
'width' => '0',
'length' => '0',
'height' => '0',
'date_coll' => '2017-11-10',
),
array(
'pick_code' => '059893',
'pick_country' => 'SG',
'send_code' => '059897',
'send_country' => 'SG',
'weight' => '10',
'width' => '0',
'length' => '0',
'height' => '0',
'date_coll' => '2017-11-10',
),
),
);

$url = $domain.$action;
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, $url);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, http_build_query($postparam));
```

```
curl_setopt($ch, CURLOPT_HEADER, 0);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, TRUE);

ob_start();
$return = curl_exec($ch);
ob_end_clean();
curl_close($ch);

$json = json_decode($return);
echo "<pre>"; print_r($json); echo "</pre>";
?>
```

Response Success Code


```
{
"api_status":"Success",
"error_code":"0",
"error_remark":"",
"result":[
{
"status":"Success",
"remarks":"",
"rates":[
{
"service_id":"EP-CS0D",
"service_name":"Next Day Pick Up Service",
"service_type":"parcel",
"courier_id":"EP-CR0A",
"courier_name":"Nationwide",
"courier_logo":"http:\/\/source.easyparcel.sg\/img\/logo\/Nationwide-Express-logo.jpg",
"scheduled_start_date":"2017-11-11 Saturday",
"pickup_date":"2017-11-11",
"delivery":"Estimated 1 working day(s)",
"price":"20.90"
}
]
},
{
"status":"Success",
"remarks":"",
"rates":[
{
"service_id":"EP-CS0D",
"service_name":"Next Day Pick Up Service",
"service_type":"parcel",
"courier_id":"EP-CR0A",
"courier_name":"Nationwide",
"courier_logo":"http:\/\/source.easyparcel.sg\/img\/logo\/Nationwide-Express-logo.jpg",
"scheduled_start_date":"2017-11-11 Saturday",
"pickup_date":"2017-11-11",
"delivery":"Estimated 1 working day(s)",
"price":"20.90"
}
]
```

```
}
] }
```


Response Fail Code


```
{
"api_status":"Error",
"error_code":"1",
"error_remark":"Required authentication key",
"result":[

] }
```

Making Order
The authenticated user can make single order at EasyParcel. User need to make sure the courier service is available.

URL
For Live : http://connect.easyparcel.sg/?ac=MPSubmitOrderBulk
For Demo : http://demo.connect.easyparcel.sg/?ac=MPSubmitOrderBulk

HTTP POST Request L1

Name	Type	Required	Description
authentication	string(25)	Yes	Obtain from EasyParcel IT administrator
api	string(25)	Yes	Obtain from registered account.
bulk	array	Yes	(Refer to Request L2)

HTTP POST Request L2

Name	Type	Required	Description
weight	double(8,2)	Yes	The weight of the parcel.
width	double(8,2)	Optional	The width of the parcel.
length	double(8,2)	Optional	The length of the parcel.
height	double(8,2)	Optional	The height of the parcel.
content	string(35)	Yes	The content of the parcel.
value	double(8,2)	Yes	The amount of the items.
service_id	string(10)	Yes	Obtain from MPRateChecking return value.
pick_name	string(35)	Yes	Sender's name.
pick_company	string(30)	Optional	Sender's company.
pick_mobile	string(16)	Optional	Sender's mobile.
pick_contact	string(16)	Yes	Sender's contact.
pick_unit	string(10)	Yes	Sender's unit
pick_code	string(10)	Yes	Sender's postcode.
pick_country	string(35)	Yes	Sender's country (“SG”).
send_name	string(35)	Yes	Receiver's name.
send_company	string(30)	Optional	Receiver's company.
send_mobile	string(16)	Optional	Receiver's mobile.
send_contact	string(16)	Yes	Receiver's contact.
send_unit	string(10)	Yes	Receiver's unit
send_code	string(10)	Yes	Receiver's postcode.
send_country	string(35)	Yes	Receiver's country. (Refer to Appendix II)
collect_date	date	Yes	Check the available pickup date. If didn't put the date,today date will be default. Format : “YYYY-MM-DD”

Response/ Return Value L1

Return Value	Type	Description	Remarks

api_status	string(10)	Validation result	(Refer to Appendix I)
error_code	int(5)	Error code	(Refer to Appendix I)
error_remark	string(100)	Error message	(Refer to Appendix I)
result	array	The response of the submit order	(Refer to Response L2)

Response/ Return Value L2

Return Value	**Type**	**Description**	**Remarks**
status	string(10)	The status of the orders made.	Fail / Success
remarks	string(100)	The error message for orders made.	
order_number	string(12)	The response of the order placed.	Failed = 0 / Success = (order_number)
price	double(8,2)	Order price	

Example Code

```
<?php
$domain = "http://demo.connect.easyparcel.sg/?ac=";

$action = "MPSubmitOrderBulk";
$postparam = array(
'authentication' => 'xxxxxx',
'api' => 'xxxxxx',
'bulk' => array(
array(
'weight' => '1',
'width' => '0',
'length' => '0',
'height' => '0',
'content' => 'book',
'value' => '20',
'service_id' => 'EP-CS0D',
'pick_name' => 'Yong Tat',
'pick_company' => 'Yong Tat Sdn Bhd',
'pick_mobile' => '',
'pick_contact' => '+6568505280',
'pick_unit' => '30',
'pick_code' => '059892',
'pick_country' => 'SG',
'send_name' => 'Sam',
'send_company' => '',
'send_mobile' => '',
'send_contact' => '+60-0178320239',
'send_unit' => '12',
'send_code' => '119916',
'send_country' => 'SG',
'collect_date' => '2017-11-15',
),
array(
'weight' => '1',
'width' => '0',
'length' => '0',
```

```
'height' => '0',
'content' => 'book',
'value' => '20',
'service_id' => 'EP-CS0D',
'pick_name' => 'Yong Tat',
'pick_company' => 'Yong Tat Sdn Bhd',
'pick_mobile' => '',
'pick_contact' => '+6568505280',
'pick_unit' => '30',
'pick_code' => '059892',
'pick_country' => 'SG',
'send_name' => 'Sam',
'send_company' => '',
'send_mobile' => '',
'send_contact' => '+60-0178320239',
'send_unit' => '12',
'send_code' => '119916',
'send_country' => 'SG',
'collect_date' => '2017-11-15',
),
),
);

$url = $domain.$action;
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, $url);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, http_build_query($postparam));
curl_setopt($ch, CURLOPT_HEADER, 0);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, TRUE);

ob_start();
$return = curl_exec($ch);
ob_end_clean();
curl_close($ch);

$json = json_decode($return);
echo "<pre>"; print_r($json); echo "</pre>";
?>
```

Response Success Code


```
{
"api_status":"Success",
"error_code":"0",
"error_remark":"",
"result":[
{
"status":"success",
"remarks":"Order Successfully Placed (Parcel from
to )",
"order_number":"EI-000JJ",
"price":"6.30"
},
```

```
{
"status":"success",
"remarks":"Order Successfully Placed (Parcel from
to )",
"order_number":"EI-000JT",
"price":"6.30"
}
] }
```


Response Fail Code


```
{
"api_status":"Error",
"error_code":"1",
"error_remark":"Required authentication key",
"result":[

] }
```

Making Order Payment

This step involves payment for the orders made. The authenticated user can do single order payment. Single order payment refers to payment for a single parcel only. There are various payment conditions that may appear such as insufficient credit (when user's account do not have sufficient credit to perfom payment), sufficient credit (when there are sufficient credit for payment) and etc.

URL

For Live : http://connect.easyparcel.sg/?ac=MPPayOrderBulk
For Demo : http://demo.connect.easyparcel.sg/?ac=MPPayOrderBulk

HTTP POST Request L1

Name	Type	Required	Description
authentication	string(25)	Yes	Obtain from EasyParcel IT administrator
api	string(25)	Yes	Obtain from registered account.
bulk	array	Yes	(Refer to Request L2)

HTTP POST Request L2

Name	Type	Required	Description
order_no	string(15)	Yes	Acquire from the order that placed.

Response/ Return Value L1

Return Value	Type	Description	Remarks
api_status	string(10)	The response of the make order payment	(Refer to Appendix I)
error_code	int(5)	Validation result	(Refer to Appendix I)
error_remark	string(100)	Error code	(Refer to Appendix I)
result	array	The result after making payment	(Refer to Response L2)

Response/ Return Value L2

Return Value	Type	Description	Remarks
orderno	string (15)	Valid order number.	Valid and authenticated.
messagenow	string (50)	The message that shows the status of order.	
parcel	array	The details of the parcel.	(Refer to Response L3)

Response/ Return Value L3

Return Value	Type	Description	Remarks
parcelno	string (15)	Parcel number.	
awb	string (45)	Airway bill number.	
awb_id_link	string (300)	Link of airway bill ID.	

Example Code

```
<?php
$domain = "http://demo.connect.easyparcel.sg/?ac=";

$action = "MPPayOrderBulk";
```

```
$postparam = array(
'authentication' => 'xxxxxx',
'api' => 'xxxxxx',
'bulk' => array(
array(
'order_no' => 'EI-000J6',
),
array(
'order_no' => 'EI-000J6',
),
),
);

$url = $domain.$action;
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, $url);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, http_build_query($postparam));
curl_setopt($ch, CURLOPT_HEADER, 0);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, TRUE);

ob_start();
$return = curl_exec($ch);
ob_end_clean();
curl_close($ch);

$json = json_decode($return);
echo "<pre>"; print_r($json); echo "</pre>";
?>
```

Response Success Code


```
{
"api_status":"Success",
"error_code":"0",
"error_remark":"",
"result":[
{
"orderno":"EI-000J6",
"messagenow":"Fully paid",
"parcel":[
{
"parcelno":"EP-00011",
"awb":"86983175113435",
"awb_id_link":"http:\/\/demo.connect.easyparcel.sg\/?ac=AWBLabel&amp;id=RVAtTHpTV
XdIbkdOIzQ2Mg%3D%3D"
}
]
},
{
"orderno":"EI-000J6",
"messagenow":"Fully paid",
"parcel":[
{
```

```
"parcelno":"EP-00011",
"awb":"86983175113435",
"awb_id_link":"http:\/\/demo.connect.easyparcel.sg\/?ac=AWBLabel&amp;id=RVAtTHpTV
XdIbkdOIzQ2Mg%3D%3D"
}
]
}
] }
```


Response Fail Code


```
{
"api_status":"Error",
"error_code":"1",
"error_remark":"Required authentication key",
"result":[

] }
```

Checking order status
Get order status by using order number is the recommended call to use for management. Use this call to retrieve all orders in which the authenticated caller.

URL
For Live : http://connect.easyparcel.sg/?ac=MPOrderStatusBulk
For Demo : http://demo.connect.easyparcel.sg/?ac=MPOrderStatusBulk

HTTP POST Request L1

Name	Type	Required	Description
authentication	string(25)	Yes	Obtain from EasyParcel IT administrator
api	string(25)	Yes	Obtain from registered account.
bulk	array	Yes	(Refer to Request L2)

HTTP POST Request L2

Name	Type	Required	Description
order_no	string(15)	Yes	Acquire from the order placed earlier.

Response/ Return Value L1

Return Value	Type	Description	Remarks
api_status	string(10)	Validation result	(Refer to Appendix I)
error_code	int(5)	Error code	(Refer to Appendix I)
error_remark	string(100)	Error message	(Refer to Appendix I)
result	array	The result for order status, if status is Success	(Refer to Response L2)

Response/ Return Value L2

Return Value	Type	Description	Remarks
status	string(10)	The status of the orders made.	Fail / Success.
remarks	string(100)	The message for orders made.	
order_no	string(15)	Order number.	
order_status	string(25)	The status of your order.	Cancel / Waiting Payment / Paid / Partial Payment / Undefined Status
order_payable	string(10)	The order that can pay.	True / False

Example Code

```
<?php
$domain = "http://demo.connect.easyparcel.sg/?ac=";

$action = "MPOrderStatusBulk";
$postparam = array(
'authentication' => 'xxxxxx',
'api' => 'xxxxxx',
'bulk' => array(
array(
```

```
'order_no' => 'EI-000J6',
),
array(
'order_no' => 'EI-000J6',
),
),
);

$url = $domain.$action;
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, $url);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, http_build_query($postparam));
curl_setopt($ch, CURLOPT_HEADER, 0);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, TRUE);

ob_start();
$return = curl_exec($ch);
ob_end_clean();
curl_close($ch);

$json = json_decode($return);
echo "<pre>"; print_r($json); echo "</pre>";
?>
```

Response Success Code


```
{
"api_status":"Success",
"error_code":"0",
"error_remark":"",
"result":[
{
"status":"Success",
"remarks":"Correct Order_no",
"order_no":"EI-000J6",
"order_status":"Paid",
"order_payable":"False"
},
{
"status":"Success",
"remarks":"Correct Order_no",
"order_no":"EI-000J6",
"order_status":"Paid",
"order_payable":"False"
}
] }
```


Response Fail Code


```
{
"api_status":"Error",
"error_code":"1",
"error_remark":"Required authentication key",
"result":[
```

```
]}
```

Checking parcel status
Get parcel status by using order number is the recommended call to use for checking the shipment. Use this call to retrieve parcel details.

URL
For Live : http://connect.easyparcel.sg/?ac=MPParcelStatusBulk
For Demo : http://demo.connect.easyparcel.sg/?ac=MPParcelStatusBulk

HTTP POST Request L1

Name	Type	Required	Description
authentication	string(25)	Yes	Obtain from EasyParcel IT administrator
api	string(25)	Yes	Obtain from registered account.
bulk	array	Yes	(Refer to Request L2)

HTTP POST Request L2

Name	Type	Required	Description
order_no	string(15)	Yes	Acquire from the order placed.

Response/ Return Value L1

Return Value	Type	Description	Remarks
api_status	string(10)	Validation result	(Refer to Appendix I)
error_code	int(5)	Error code	(Refer to Appendix I)
error_remark	string(100)	Error message	(Refer to Appendix I)
result	array	The response for parcel status, if status is Success	(Refer to Response L2)

Response/ Return Value L2

Return Value	Type	Description	Remarks
status	string(10)	The status of the orders made.	
remarks	string(100)	The message for orders made.	
order_no	string(15)	Order number.	
parcel	array	The result for parcel status, if status is Success	(Refer to Response L3)

Response/ Return Value L3

Return Value	Type	Description	Remarks
parcel_number	string(15)	The number of the parcel.	

ship_status	string(45)	The status of the shipment.	Cancel / Waiting Payment / Pending For Collection / Collected / Returned / Delivering(in transit) / Successfully Delivered / Schedule In Arrangement / On Hold / Expired (Unpaid) / Cancel By Admin / Drop Off / Other Status
awb	string(45)	Airway bill number.	Empty if null.
awb_id_link	string(300)	The URL link of the Airway bill	Downloadable PDF file

Example Code

```
<?php
$domain = "http://demo.connect.easyparcel.sg/?ac=";

$action = "MPParcelStatusBulk";
$postparam = array(
'authentication' => 'xxxxxx',
'api' => 'xxxxxx',
'bulk' => array(
array(
'order_no' => 'EI-000J6',
),
array(
'order_no' => 'EI-000J6',
),
),
);

$url = $domain.$action;
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, $url);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, http_build_query($postparam));
curl_setopt($ch, CURLOPT_HEADER, 0);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, TRUE);

ob_start();
$return = curl_exec($ch);
ob_end_clean();
curl_close($ch);

$json = json_decode($return);
echo "<pre>"; print_r($json); echo "</pre>";
?>
```

Response Success Code

```
{
```

```
"api_status":"Success",
"error_code":"0",
"error_remark":"",
"result":[
{
"status":"Success",
"remarks":"Correct Order_no",
"order_no":"EI-000J6",
"parcel":[
{
"parcel_number":"EP-00011",
"ship_status":"Schedule In Arrangement",
"awb":"86983175113435",
"awb_id_link":"http:\/\/demo.connect.easyparcel.sg\/?ac=AWBLabel&amp;id=RVAtTHpTV
XdIbkdOIzQ2Mg%3D%3D"
}
]
},
{
"status":"Success",
"remarks":"Correct Order_no",
"order_no":"EI-000J6",
"parcel":[
{
"parcel_number":"EP-00011",
"ship_status":"Schedule In Arrangement",
"awb":"86983175113435",
"awb_id_link":"http:\/\/demo.connect.easyparcel.sg\/?ac=AWBLabel&amp;id=RVAtTHpTV
XdIbkdOIzQ2Mg%3D%3D"
}
]
}
] }
```


Response Fail Code


```
{
"api_status":"Error",
"error_code":"1",
"error_remark":"Required authentication key",
"result":[

] }
```

Tracking Parcel Details
Track the shipment status using airway bill number.

URL
For Live : http://connect.easyparcel.sg/?ac=MPTrackingBulk
For Demo : http://demo.connect.easyparcel.sg/?ac=MPTrackingBulk

HTTP POST Request L1

Name	Type	Required	Description
authentication	string(25)	Yes	Obtain from EasyParcel IT administrator
api	string(25)	Yes	Obtain from registered account.
bulk	array	Yes	(Refer to Request L2)

HTTP POST Request L2

Name	Type	Required	Description
awb_no	string(25)	Yes	Generate automatically after the payment.

Response/ Return Value L1

Return Value	Type	Description	Remarks
api_status	string(10)	Validation result	(Refer to Appendix I)
error_code	int(5)	Error code	(Refer to Appendix I)
error_remark	string(100)	Error message	(Refer to Appendix I)
result	array	Result of tracking	(Refer to Response L2)

Response/ Return Value L2

Return Value	Type	Description	Remarks
status_list	array	The result for tracking.	(Refer to Response L3 & Response L4)
latest_status	string(45)	The status of the shipment.	
latest_update	string(45)	Show the date and time.	
awb	string(45)	Airway bill number.	

Response/ Return Value L3

Return Value	Type	Description	Remarks
status	string(45)	The status of the shipment.	
sender	string(45)	The name of the sender	
receiver	string(45)	The name of the receiver	

Response/ Return Value L4

Return Value	Type	Description	Remarks
event_date	date	Show date.	

event_time	time	Show time.	
status	string(150)	The status of the shipment.	
location	string(100)	Track the location of the parcel.	

Example Code

```
<?php
$domain = "http://demo.connect.easyparcel.sg/?ac=";

$action = "MPTrackingBulk";
$postparam = array(
'authentication' => 'xxxxxx',
'api' => 'xxxxxx',
'bulk' => array(
array(
'awb_no' => '86983175113435',
),
array(
'awb_no' => '86983175113435',
),
),
);

$url = $domain.$action;
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, $url);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, http_build_query($postparam));
curl_setopt($ch, CURLOPT_HEADER, 0);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, TRUE);

ob_start();
$return = curl_exec($ch);
ob_end_clean();
curl_close($ch);

$json = json_decode($return);
echo "<pre>"; print_r($json); echo "</pre>";
?>
```

Response Success Code


```
{
"api_status":"Success",
"error_code":"0",
"error_remark":"",
"result":[
{
"status_list":{
"0":{
"event_date":"2017-12-27",
"event_time":"11:40 AM",
"status":"Delivered",
"location":"Demo"
```

```
},
"status":"",
"sender":"xxxxxx",
"receiver":"xxxxxx"
},
"latest_status":"Deliverd",
"latest_update":"2017-12-27",
"awb":"86983175113435"
},
{
"status_list":{
"0":{
"event_date":"2017-12-27",
"event_time":"11:40 AM",
"status":"Delivered",
"location":"Demo"
},
"status":"",
"sender":"xxxxxx",
"receiver":"xxxxxx"
},
"latest_status":"Deliverd",
"latest_update":"2017-12-27",
"awb":"86983175113435"
}
] }
```


Response Fail Code


```
{
"api_status":"Error",
"error_code":"1",
"error_remark":"Required authentication key",
"result":[

] }
```

Market Rate Checking
This enable market rate checking from all courier companies in EasyParcel platform. User need to provide sender and receiver address to check the market rate.

URL
For Live : http://connect.easyparcel.sg/?ac=MPNormalRateCheckingBulk
For Demo : http://demo.connect.easyparcel.sg/?ac=MPNormalRateCheckingBulk

HTTP POST Request L1

Name	Type	Required	Description
authentication	string(25)	Yes	Obtain from EasyParcel IT administrator
api	string(25)	Yes	Obtain from registered account.
bulk	array	Yes	(Refer to Request L2)

HTTP POST Request L2

Name	Type	Required	Description
pick_code	string(10)	Yes	Sender's postcode.
pick_country	string(2)	Yes	Sender's country (“SG”).
send_code	string(10)	Yes	Receiver's postcode.
send_country	string(2)	Yes	Receiver's country (“SG”).
weight	double(8,2)	Yes	The weight of the parcel.
width	double(8,2)	Optional	The width of the parcel.
length	double(8,2)	Optional	The length of the parcel.
height	double(8,2)	Optional	The height of the parcel.
date_coll	date	Optional	Check the available pickup date. If the date is left empty, the default will be today’s date. Format : “YYYY-MM-DD”

Response/ Return Value L1

Return Value	Type	Description	Remarks
api_status	string(10)	Validation result	(Refer to Appendix I)
error_code	int(5)	Error code	(Refer to Appendix I)
error_remark	string(100)	Error message	(Refer to Appendix I)
result	array	The response of the rate checking	(Refer to Response L2)

Response/ Return Value L2

Return Value	Type	Description	Remarks
status	string(10)	The status of the rate checking.	Fail / Success
remarks	string(100)	The error message for rate checking.	
rates	array	The result rate checking.	(Refer to Response L3)

Response/ Return Value L3

Return Value	Type	Description	Remarks

member_rate	array	The result member rate checking.	(Refer to Response L4)
non_member_rate	array	The result non-member rate checking.	(Refer to Response L4)

Response/ Return Value L4

Return Value	**Type**	**Description**	**Remarks**
service_id	string (15)	Service ID	
service_name	string (100)	Service name	
service_type	string (10)	Type of service	parcel/ document
courier_id	string (10)	Courier ID	
courier_name	string (100)	Courier name	
courier_logo	string (300)	Courier logo	
scheduled_start_date	string (50)	Scheduled pickup for parcel.	
pickup_date	date	The date to pickup the parcel.	Same day pickup only available before 12pm.
delivery	string (100)	The day(s) to deliver the parcel.	
price	double(8,2)	Booking price.	

Example Code

```
<?php
$domain = "http://demo.connect.easyparcel.sg/?ac=";

$action = "MPNormalRateCheckingBulk";
$postparam = array(
'authentication' => 'xxxxxx',
'api' => 'xxxxxx',
'bulk' => array(
array(
'pick_code' => '059893',
'pick_country' => 'SG',
'send_code' => '059897',
'send_country' => 'SG',
'weight' => '10',
'width' => '0',
'length' => '0',
'height' => '0',
'date_coll' => '2017-11-13',
),
array(
'pick_code' => '059893',
'pick_country' => 'SG',
'send_code' => '059897',
'send_country' => 'SG',
'weight' => '10',
'width' => '0',
'length' => '0',
'height' => '0',
'date_coll' => '2017-11-13',
),
```

```
),
);

$url = $domain.$action;
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, $url);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, http_build_query($postparam));
curl_setopt($ch, CURLOPT_HEADER, 0);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, TRUE);

ob_start();
$return = curl_exec($ch);
ob_end_clean();
curl_close($ch);

$json = json_decode($return);
echo "<pre>"; print_r($json); echo "</pre>";
?>
```

Response Success Code


```
{
"api_status":"Success",
"error_code":"0",
"error_remark":"",
"result":[
{
"status":"Success",
"remarks":"",
"rates":{
"member_rate":[
{
"service_id":"EP-CS0D",
"service_name":"Next Day Pick Up Service",
"service_type":"parcel",
"courier_id":"EP-CR0A",
"courier_name":"Nationwide",
"courier_logo":"http:\/\/source.easyparcel.sg\/img\/logo\/Nationwide-Express-logo.jpg",
"scheduled_start_date":"2017-11-14 Tuesday",
"pickup_date":"2017-11-13",
"delivery":"Estimated 1 working day(s)",
"price":"14.30"
}
],
"non_member_rate":[
{
"service_id":"EP-CS0D",
"service_name":"Next Day Pick Up Service",
"service_type":"parcel",
"courier_id":"EP-CR0A",
"courier_name":"Nationwide",
"courier_logo":"http:\/\/source.easyparcel.sg\/img\/logo\/Nationwide-Express-logo.jpg",
"scheduled_start_date":"2017-11-14 Tuesday",
```

```
"pickup_date":"2017-11-13",
"delivery":"Estimated 1 working day(s)",
"price":"20.90"
}
]
}
},
{
"status":"Success",
"remarks":"",
"rates":{
"member_rate":[
{
"service_id":"EP-CS0D",
"service_name":"Next Day Pick Up Service",
"service_type":"parcel",
"courier_id":"EP-CR0A",
"courier_name":"Nationwide",
"courier_logo":"http:\/\/source.easyparcel.sg\/img\/logo\/Nationwide-Express-logo.jpg",
"scheduled_start_date":"2017-11-14 Tuesday",
"pickup_date":"2017-11-13",
"delivery":"Estimated 1 working day(s)",
"price":"14.30"
}
],
"non_member_rate":[
{
"service_id":"EP-CS0D",
"service_name":"Next Day Pick Up Service",
"service_type":"parcel",
"courier_id":"EP-CR0A",
"courier_name":"Nationwide",
"courier_logo":"http:\/\/source.easyparcel.sg\/img\/logo\/Nationwide-Express-logo.jpg",
"scheduled_start_date":"2017-11-14 Tuesday",
"pickup_date":"2017-11-13",
"delivery":"Estimated 1 working day(s)",
"price":"20.90"
}
]
}
}
] }
```


Response Fail Code


```
{
"api_status":"Error",
"error_code":"1",
"error_remark":"Required authentication key",
"result":[

] }
```

User Sign Up
Allow user using API to sign up EasyParcel account.

URL
For Live : http://connect.easyparcel.sg/?ac=MPUserSignUp
For Demo : http://demo.connect.easyparcel.sg/?ac=MPUserSignUp

HTTP POST Request L1

Name	Type	Required	Description
authentication	string(25)	Yes	Obtain from EasyParcel IT administrator
email	string(100)	Yes	User email address.
first_name	string(35)	Yes	User first name.
last_name	string(35)	Yes	User last name.

Response/ Return Value L1

Return Value	Type	Description	Remarks
access	string(150)	Validate authentication and api	
result	array	The result for user signup.	(Refer to Response L2)
api_status	string(10)	Validation result	(Refer to Appendix I)
error_code	int(5)	Error code	(Refer to Appendix I)
error_remark	string(100)	Error message	(Refer to Appendix I)

Response/ Return Value L2

Return Value	Type	Description	Remarks
status	string(100)	The status of the user signup.	

Example Code

```
<?php
$domain = "http://demo.connect.easyparcel.sg/?ac=";

$action = "MPUserSignUp";
$postparam = array(
'authentication' => 'xxxxxx',
'email' => 'calvin@gmail.com',
'first_name' => 'Calvin',
'last_name' => 'Tan',
);

$url = $domain.$action;
$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, $url);
curl_setopt($ch, CURLOPT_POST, 1);
curl_setopt($ch, CURLOPT_POSTFIELDS, http_build_query($postparam));
curl_setopt($ch, CURLOPT_HEADER, 0);
curl_setopt($ch, CURLOPT_RETURNTRANSFER, TRUE);

ob_start();
$return = curl_exec($ch);
```

```
ob_end_clean();
curl_close($ch);

$json = json_decode($return);
echo "<pre>"; print_r($json); echo "</pre>";
?>
```

Response Success Code


```
{
"access":"Valid authentication key.",
"result":[
{
"status":"calvin@gmail.com New user register"
}
],
"api_status":"Success",
"error_code":"0",
"error_remark":"" }
```


Response Fail Code


```
{
"access":"Required authentication key.",
"result":[

],
"api_status":"Error",
"error_code":"1",
"error_remark":"Required authentication key" }
```

Appendix I (API Return Status)

api_status	error_code	error_remark
Error	3	Required api key
Error	4	Invalid api key
Error	5	Unauthorized user
Success	0	

Appendix II (Country Code List)

Short Country Name	Full Country Name
SG	SINGAPORE