

# Permits API

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# Pull API: Permit Stats

The OPS-COM Controller provides a simple JSON based API to integrate with. Clients use this API to gather stats on permits pushed into OPS-COM.

Make sure you set the HTTP Content-Type header to be application/json.

## Making API Requests

### Raw Request:

```
POST /api/OC-TOMA/v1/permits/stats HTTP/1.1
Host: controller.operationscommander.io
Accept: application/json
Content-Type: application/json
Cache-Control: no-cache
```

```
{
  "apiToken": "YOUR-API-TOKEN",
  "zones": "NOT-REQUIRED--LIST-OF-ZONES"
}
```

## JavaScript Request

```
var request = new XMLHttpRequest();
```

```
request.open( 'POST' , 'https://controller.operationscommander.io/api/OC-TOMA/v1/permits/stats' );
```

```
request.setRequestHeader( 'Content-Type' , 'application/json' );
request.setRequestHeader( 'Accept' , 'application/json' );
```

```
request.onreadystatechange = function () {
  if ( this.readyState === 4 ) {
    console.log( 'Status:' , this.status);
    console.log( 'Headers:' , this.getAllResponseHeaders());
    console.log( 'Body:' , this.responseText);
  }
};
```

```
var body = {
  "apiToken" : "YOUR-API-TOKEN" ,
```

```
{
  "zones" : "Lot 01,Lot 02"
}
request.send(JSON.stringify(body));
```

# Request Object Attributes

Attribute	Type	Limits	Possible Names	Description
apiToken	String	50-character alphanumeric including dashes	apiToken	<b>(Required)</b> Your supplied API Token.
zones	String	Listed zones match zone names in database	zones	<b>(Not Required)</b> Comma delimited list of zones e.g. zone1,zone2,Lot 03,Red Lot,Street parking

# Successful Response

The response will be a json object. The same reference id will be returned.

*Content-Type: application/json*

```
{
  "data" : [
    {
      "type" : "standard" ,
      "zone" : "zone1" ,
      "total" : "4"
    },
    {
      "type" : "temp" ,
      "zone" : "zone1" ,
      "total" : "35"
    },
  ],
  :
  :
}
```

# Push API: Permit Delete

The OPS-COM Controller provides a simple JSON based API to integrate with. Clients use this API to directly feed details about existing paid permits and their changes into OPS-COM from other systems such as Parking apps.

Make sure you set the HTTP Content-Type header to be application/json.

## Making API Requests

### Raw Request:

```
POST /api/OC-TOMA/v1/permits/delete HTTP/1.1
Host: controller.operationscommander.io
Accept: application/json
Content-Type: application/json
Cache-Control: no-cache
```

```
{
  "apiToken": "YOUR-API-TOKEN",
  "referenceID": "PREVIOUS-REFERENCE-ID"
}
```

### JavaScript Request:

```

var request = new XMLHttpRequest();

request.open( 'POST' , 'https://controller.operationscommander.io/api/OC-TOMA/v1/permits/delete ');

request.setRequestHeader( 'Content-Type' , 'application/json' );
request.setRequestHeader( 'Accept' , 'application/json' );

request.onreadystatechange = function () {
  if ( this .readyState === 4) {
    console.log( 'Status:' , this .status);
    console.log( 'Headers:' , this .getAllResponseHeaders());
    console.log( 'Body:' , this .responseText);
  }
};

var body = {
  "apiToken" : "YOUR-API-TOKEN" ,
  "referenceID" : "PREVIOUS-REFERENCE-ID"
}
request.send(JSON.stringify(body));

```

# Request Object Attributes

Attribute	Type	Limits	Possible Names	Description
apiToken	String	50-character alphanumeric including dashes	apiToken	<b>(Required)</b> Your supplied API Token.
Reference ID	String	50-character alphanumeric including dashes	referenceid referenceID reference_id	<b>(Required)</b> This value is supplied to when the permit push api is successful. e.g. 1a9b5375-cb75-4c71-9939-eeae550b09ac

# Successful Response

The response will be a json object. The same reference id will be returned.

*Content-Type: application/json*

```

{
  "status" : "success" ,
  "reference_id" : "1a9b5375-cb75-4c71-9939-eeae550b09ac" ,
  "InternalReferenceID" : "1a9b5375-cb75-4c71-9939-eeae550b09ac"
}

```



# Push API: Permit Create

The OPS-COM Controller provides a simple JSON based API to integrate with. Clients use this API to directly feed paid permit details into OPS-COM from other systems such as Parking Meters. Any permit types whether Validator, Temporary or Standard can be feed to OPS-COM using this API

Make sure you set the HTTP Content-Type header to be application/json.

## Making API Requests

### Raw Request:

```
POST /api/OC-TOMA/v1/permits/push HTTP/1.1
Host: controller.operationscommander.io
Accept: application/json
Content-Type: application/json
Cache-Control: no-cache
```

```
{
  "apiToken": "YOUR-API-TOKEN",
  "Amount": "14.50",
  "CurrencyID": "CAD",
  "LicencePlate": "PL8RDR",
  "zone": "Lot 4",
  "permitNo": "L4-1138",
  "startTime": "2018-07-02T09:00:00",
  "endTime": "2018-07-02T09:30:00"
}
```

### JavaScript Request:

```

var request = new XMLHttpRequest();

request.open( 'POST' , 'https://controller.operationscommander.io/api/OC-TOMA/v1/permits/push ');

request.setRequestHeader( 'Content-Type' , 'application/json' );
request.setRequestHeader( 'Accept' , 'application/json' );

request.onreadystatechange = function () {
    if ( this .readyState === 4) {
        console.log( 'Status:' , this .status);
        console.log( 'Headers:' , this .getAllResponseHeaders());
        console.log( 'Body:' , this .responseText);
    }
};

var body = {
    "apiToken" : "YOUR-API-TOKEN" ,
    "Amount" : "14.50" ,
    "CurrencyID" : "CAD" ,
    "LicencePlate" : "PL8RDR" ,
    "zone" : "Lot 4" ,
    "permitNo" : "L4-1138" ,
    "startTime" : "2018-07-02T09:00:00" ,
    "endTime" : "2018-07-02T09:30:00"
}
request.send(JSON.stringify(body));

```

# Request Object Attributes

Attribute	Type	Limits	Possible Names	Description
apiToken	String	50-character alphanumeric including dashes	apiToken	<b>(Required)</b> Your supplied API Token.
Amount	String	9-character decimal	amount Amount	<i>(Optional)</i> Transaction amount This must contain at least 3 digits, two of which are penny values. The minimum allowable value is \$0.01, and the maximum allowable value is \$999999.99.
Currency	String	10-characters	currency CurrencyID	<i>(Optional)</i> CAD, USD



Attribute	Type	Limits	Possible Names	Description
Start Date	String	20-characters Y-m-d\TH:i:s format.	startTime StartDateUtc	<b>(Required)</b> Must be in the format of Y-m-d\TH:i:s e.g. 2000-05-30T14:38:22 For formatting help, see <a href="#">PHP Date Formatting</a>
End Date	String	20-characters Y-m-d\TH:i:s format.	endTime EndDateUtc	<b>(Required)</b> Must be in the format of Y-m-d\TH:i:s e.g. 2000-05-30T14:38:22 For formatting help, see <a href="#">PHP Date Formatting</a>
License Plate	String	25-characters	plate LicencePlate	<b>(Required)</b> The plate of the vehicle.
Ticket Number	String	50-characters	permitNo TicketNumber	<i>(Optional)</i>
Zone Name	String	200-characters	zone ParkingZoneName	<i>(Optional)</i> If the zone does not match a zone in our system, it will be a disconnected record and may not report properly.

# Successful Response

The response will be a json object.

Content-Type: application/json

```
{
  "status" : "success" ,
  "reference_id" : "1a9b5375-cb75-4c71-9939-eeae550b09ac" ,
  "InternalReferenceID" : "1a9b5375-cb75-4c71-9939-eeae550b09ac"
}
```

# Push API: Permit Update

The OPS-COM Controller provides a simple JSON based API to integrate with. Clients use this API to directly feed paid permit details into OPS-COM from other systems such as Parking Apps.

Make sure you set the HTTP Content-Type header to be application/json.

## Making API Requests

### Raw Request:

```
POST /api/OC-TOMA/v1/permits/update HTTP/1.1
Host: controller.operationscommander.io
Accept: application/json
Content-Type: application/json
Cache-Control: no-cache
```

```
{
  "apiToken": "YOUR-API-TOKEN",
  "referenceID": "PREVIOUS-REFERENCE-ID",
  "plate": "PL8RDR",
  "Amount": "14.50",
  "currency": "CAD",
  "endTime": "2018-07-02T09:30:00"
}
```

### JavaScript Request:

```

var request = new XMLHttpRequest();

request.open( 'POST' , 'https://controller.operationscommander.io/api/OC-TOMA/v1/permits/update ');

request.setRequestHeader( 'Content-Type' , 'application/json' );
request.setRequestHeader( 'Accept' , 'application/json' );

request.onreadystatechange = function () {
    if ( this .readyState === 4) {
        console.log( 'Status:' , this .status);
        console.log( 'Headers:' , this .getAllResponseHeaders());
        console.log( 'Body:' , this .responseText);
    }
};

var body = {
    "apiToken" : "YOUR-API-TOKEN" ,
    "referenceID" : "PREVIOUS-REFERENCE-ID" ,
    "plate" : "PL8RDR" ,
    "Amount" : "14.50" ,
    "currency" : "CAD" ,
    "endTime" : "2018-07-02T09:30:00"
}
request.send(JSON.stringify(body));

```

# Request Object Attributes

Attribute	Type	Limits	Possible Names	Description
apiToken	String	50-character alphanumeric including dashes	apiToken	<b>(Required)</b> Your supplied API Token.
Reference ID	String	50-character alphanumeric including dashes	referenceid referenceID reference_id	<b>(Required)</b> This value is supplied to when the permit push api is successful. e.g. 1a9b5375-cb75-4c71-9939-eeae550b09ac
End Date	String	20-characters Y-m-d\TH:i:s format.	endTime EndDateUtc	<i>(Optional)</i> Must be in the format of Y-m-d\TH:i:s e.g. 2000-05-30T14:38:22 For formatting help, see <a href="#">PHP Date Formatting</a>
License Plate	String	25-characters	plate LicencePlate	<i>(Optional)</i> The plate of the vehicle.

Attribute	Type	Limits	Possible Names	Description
Amount	String	9-character decimal	amount Amount	<i>(Optional)</i> Transaction amount This must contain at least 3 digits, two of which are penny values. The minimum allowable value is \$0.01, and the maximum allowable value is \$999999.99.
Currency	String	10-characters	currency CurrencyID	<i>(Optional)</i> CAD, USD

# Successful Response

The response will be a json object. The same reference id will be returned.

Content-Type: application/json

```
{
  "status" : "success" ,
  "reference_id" : "1a9b5375-cb75-4c71-9939-eeae550b09ac" ,
  "InternalReferenceID" : "1a9b5375-cb75-4c71-9939-eeae550b09ac"
}
```