
Document

Subject:
API QR Payment for Merchant
Versi1.2

Document			
File Name	API QR Payment for Merchant		
Author		Document status	Draft
Document version	1.2	Document No	

Data Log

Date	Version	Description	Author
08 September 2017	1.0.0	API QR Payment for Merchant	
23 November 2017	1.1	1. Change lenght of trxid and ftrxid from 6 to 20 char 2. add dec on cmd create	
17 Januari 2018	1.2	Change encryption to hmac SHA256	

Drafter:

No	Name	Designation	Signature
1			
2			
3			

Authorized by:

No	Name	Designation	Signature
1			
2			
3			

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I. Method

Method yang digunakan adalah HTTP POST

authentication basic

II. Format

JSON

III. Messagging

1. Create Token

Create token to show as QR code on merchant device

➤ Request

```
{
  "cmd": "create",
  "tid": "1234567890123456",
  "mid": "1234567890123456",
  "nominal": 10000,
  "trxid": "123456",
  "datetime": "2017-09-08 10:10:10",
  "expired": 30,
  "desc": "pembayaran tiket",
  "key": "1234567890123456789012345678901234567890"
}
```

Parameter	Lenght	Desc
cmd	char(6)	create
tid	char(16)	1234567890123456
mid	char(16)	1234567890123456
nominal	int(12)	Tanpa decimal, padding kiri menggunakan 0 Contoh: 000000010000
trxid	char(20)	
datetime	char(19) (YYYY-MM-DD HH:mm:ss format)	Contoh "2017-09-08 10:10:10"
expired	int(2)	Dalam menit contoh: 30

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Desc	Char(50)	Pad kanan dengan " " Pembelian tiket
key	char(172)	sha256(tid password+ trxid), contoh: szmyviNG9SnI3QPk/Bmt UGEBw+ZXUn5JwLN6Q QpEailbthiJBsFO+95RAZ gJGyesmZmHYlzMftKEGo 9q0r1PLqgM5NGdW8k4 RMBFYVe7I+5ALJJURs5V 9PHuKpqApqBa+xdWTlo 5UtzG+6ZydT6q/FoAex4 wWAzsashXd4WKI=

➤ **Response**

```
{ "status": "00", "trxid": "123456", "ftrxid": "789012", "datetime": "2017-09-08  
10:10:10", "token": "12345678" }
```

Parameter	Lenght	Desc
Status	char(2)	00: Success 01: Invalid parameter 03: General error, try again
Trxid	char(20)	123456
Ftrxid	char(20)	789012
Datetime	char(19)(YYYY-MM-DD HH:mm:ss format)	Contoh "2017-09-08 10:10:10"
Token	char(8)	Contoh "12345678"

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2. Inquiry Token

Inquiry token status

➤ Request

```
{"cmd":"inq","tid":"1234567890123456","mid":1234567890123456
```

```
,"trxid":"123456","datetime":"2017-09-08
```

```
10:10:10","token":"12345678","key":"1234567890123456789012345678901234567890"}
```

Parameter	Lenght	Desc
cmd	char(3)	Inq
Tid	char(16)	1234567890123456
Mid	char(16)	1234567890123456
Trxid	char(20)	
Datetime	char(19)	Contoh "2017-09-08 10:10:10"
Token	char(8)	12345678
Key	char(172)	sha256 (tid password +trxid), contoh: szmyviNG9SnI3QPk/Bmt UGEbBw+ZXUn5JwLN6Q QpEailbthiJIBsFO+95RAZ gJGyesmZmHYlzMftKEGo 9q0r1PLqgM5NGdW8k4 RMBFYVe7I+5ALJJURs5V 9PHuKpqApqBa+xdWTlo 5UtzG+6ZydT6q/FoAex4 wWAzsashXd4WKI=

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➤ **Response**

```
{ "status": "00", "trxid": "123456", "ftrxid": "789012", "datetime": "2017-09-08
10:10:10", "tokenstatus": "02", "desc": "terbayar tanggal 2017-09-08 10:10:10 oleh xxxxx"
}
```

Parameter	Lenght	Desc
Status	char(2)	00: Success 01: Invalid parameter 03: General error, try again
Trxid	char(20)	123456
Ftrxid	char(20)	789012
Datetime	char(19)(YYYY-MM-DD HH:mm:ss format)	Contoh "2017-09-08 10:10:10"
Tokenstatus	char(2)	00: aktif 01: expired 02: sudah terbayar
Desc	Char(50)	Pad kanan dengan " " Contoh: terbayar tanggal 2017-09- 08 10:10:10 oleh xxxxx

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3. Pay Token

Invoked to deduct customer fund at certain amount

➤ Request

```
{"cmd":"pay","tid":"1234567890123456","mid":1234567890123456
```

```
,"trxid":"123456","datetime":"2017-09-08
```

```
10:10:10","token":"12345678","key":"1234567890123456789012345678901234567890"}
```

Parameter	Lenght	Desc
cmd	char(3)	Pay
tid	char(16)	1234567890123456
mid	char(16)	1234567890123456
Trxid	char(20)	
nominal	int(12)	Tanpa decimal, padding kiri menggunakan 0 Contoh: 000000010000
Datetime	char(19) (YYYY-MM-DD HH:mm:ss format)	Contoh "2017-09-08 10:10:10"
Token	char(8)	12345678
Key	char(172)	sha256 (tid password +trxid), contoh: szmyviNG9SnI3QPk/Bmt UGEbBw+ZXUn5JwLN6Q QpEailbthiJIBsFO+95RAZ gJGyesmZmHYlzMftKEGo 9q0r1PLqgM5NGdW8k4 RMBFYVe7I+5ALJJURs5V 9PHuKpqApqBa+xdWTIo

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		5UtzG+6ZydT6q/FoAex4 wWAzsashXd4WKI=
--	--	---

➤ **Response**

```
{ "status": "00", "trxid": "123456", "ftrxid": "789012", "datetime": "2017-09-08
10:10:10", "paymentstatus": "02", "desc": "Pembayaran sukses, tanggal 2017-09-08
10:10:10" }
```

Parameter	Lenght	Desc
status	char(2)	00: Success 01: Invalid parameter 03: General error, try again
trxid	char(20)	123456
ftrxid	char(20)	789012
nominal	int(12)	Tanpa decimal, padding kiri menggunakan 0 Contoh: 000000010000
datetime	char(19) (YYYY-MM-DD HH:mm:ss format)	Contoh "2017-09-08 10:10:10"
paymentstatus	char(2)	00: sukses 01: gagal
desc	Char(50)	Pad kanan dengan " " Contoh: Pembayaran sukses, tanggal 2017-09-08 10:10:10

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4. Notif Payment

Notification will sent to merchant's URL callback

➤ Request

```
{"cmd":"notif","trxid":"123456","ftrxid":"123456","datetime":"2017-09-08
```

```
10:10:10","pay_status":"00","key":"1234567890123456789012345678901234567890"}
```

Parameter	Lenght	Desc
cmd	char(5)	Notif
Ftrxid	Char(20)	
trxid	char(20)	
datetime	char(19)	Contoh "2017-09-08 10:10:10"
pay_status	char(2)	00: sukses 01: gagal
key	char(172)	sha256 (tid password +trxid), contoh: szmyviNG9SnI3QPk/Bmt UGEbBw+ZXUn5JwLN6Q QpEailbthiJIBsFO+95RAZ gJGyesmZmHYlzMftKEGo 9q0r1PLqgM5NGdW8k4 RMBFYVe7I+5ALJJURs5V 9PHuKpqApqBa+xdWTlo 5UtzG+6ZydT6q/FoAex4 wWAzsashXd4WKI=

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➤ **Response**

Response will be ignored by us, do inquiry if merchant fail to receive notif pay

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IV. Encryption sample

```

public String encrypt(String text) throws Exception {
    byte[] cipherText = null;
    final Cipher cipher = Cipher.getInstance("HmacSHA256");
    cipher.init(Cipher.ENCRYPT_MODE, getPubKey());
    byte[] textB = cipher.doFinal(text.getBytes("UTF-8"));
    cipherText = Base64.encodeBase64(textB);
    return new String(cipherText);
}

```