

**iPay88 SeamlessPayment
Merchant Integration Specification
Version 1.0.5**





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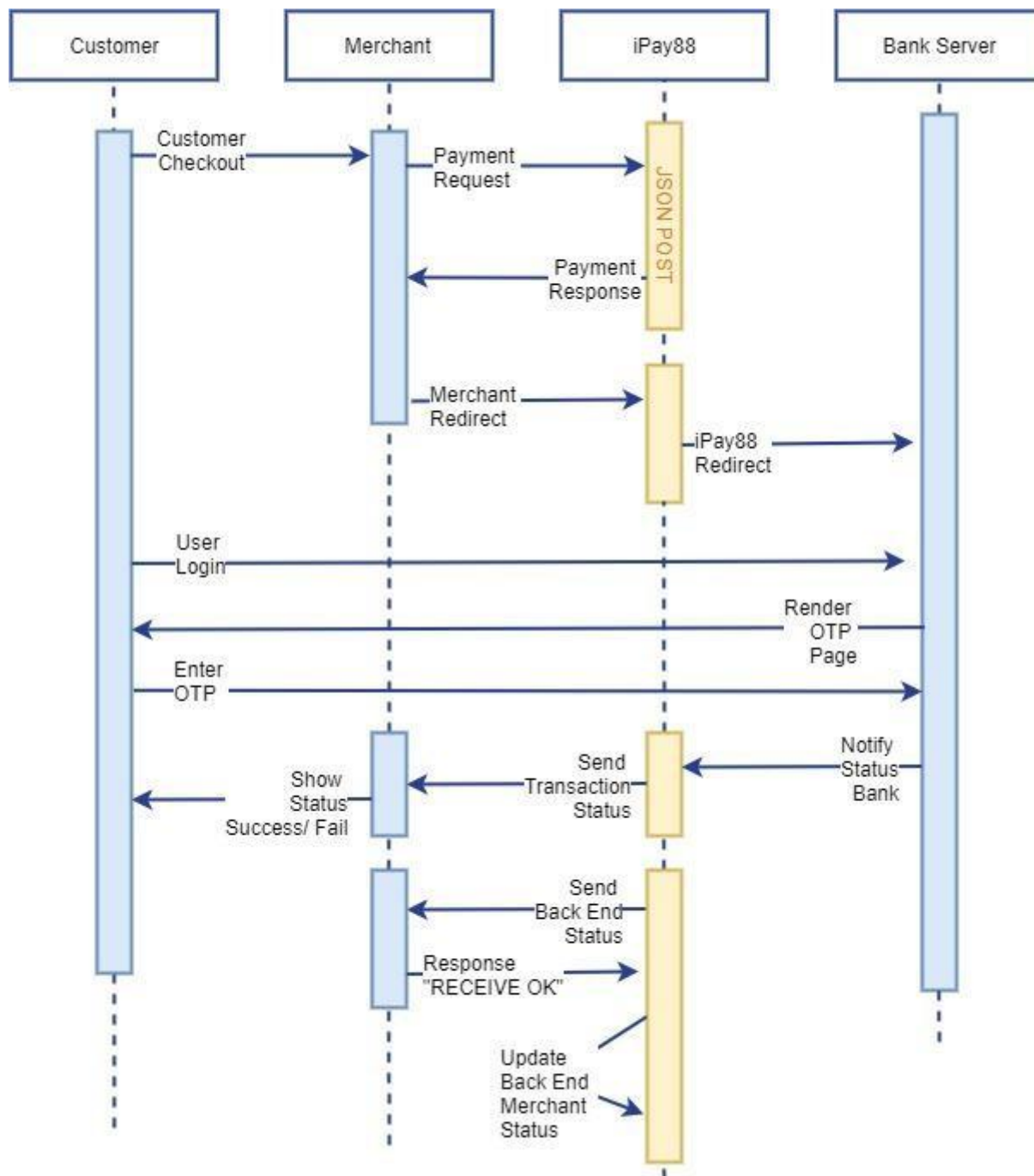
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1 Summary of Changes

Change Date	Author's Name	Version No.	Description
01/10/2019	Erwin Suhandi	1.0.0	Seamless VA
05/02/2020	Norman Indra	1.0.1	Add seller url param for indodana
14/02/2020	Norman Indra	1.0.2	Add Akulaku Param
24/02/2020	Norman Indra	1.0.3	Combine All Param
29/07/2020	Norman Indra	1.0.4	Param Revision
06/10/2020	Norman Indra	1.0.5	Add State Param

2 Payment Flow





3 URL Request

Sandbox <https://sandbox.ipay88.co.id/ePayment/WebService/PaymentAPI/Checkout>

Production <https://payment.ipay88.co.id/ePayment/WebService/PaymentAPI/Checkout>

4 Request Format

Merchants send parameters via JSON as a request to iPay88 Indonesia. Here are some parameters as a request :

4.1 Request Parameters

Request Format					
No.	Field Name	Type (Size)	Sample	M/O	Description
1.	MerchantCode	varchar(20)	ID00001	M	Merchant code assigned by iPay88
2.	PaymentId	integer	70	M	Payment method identifier
3.	Currency	varchar(5)	IDR	M	Only support for IDR
4.	RefNo	varchar(20)	920201930925AM	M	Unique merchant transaction number / Order ID
5.	Amount	integer	10000000	M	The amount must not contain any decimal points, thousands separators or currency symbols. For example, Rp 1.278,00 is expressed as 127800 . Amount = Sum of Each transaction + Amount Of Shipping + Amount Of Discount
6.	ProdDesc	varchar(100)	Seamless Payment Indodana	M	Product description
7.	UserName	varchar(100)	thoriq	M	Customer name
8.	UserEmail	varchar(100)	thoriq@ipay88.co.id	M	Customer email for receiving receipt
9.	UserContact	varchar(20)	081234567890	M	Customer contact number
10.	Remark	varchar(100)		O	Merchant remarks
11.	Lang	varchar(20)	iso-8859-1	M	Encoding type "ISO-8859-1" – English "UTF-8" – Unicode "GB2312" – Chinese Simplified "GD18030" – Chinese Simplified "BIG5" – Chinese Traditional
12.	ResponseURL	varchar(200)	https://store.co.id/resp.asp	M	Payment response page
13.	BackendURL	varchar(200)	https://store.co.id/backend.asp	M	Backend response page



14.	Signature	varchar(100)	Nv2ub5JULwXf1X 2x7B9CLe3z7K4=	M	SHA1 signature (refer to 4.2)
15.	xfield1	varchar(20)		O	To enable installment and discount payment
16.	itemTransactions	List (n)		M	Only for installment detail with multiple product
	16.1 Id	varchar (50)	001	M	Product id
	16.2 Name	varchar(100)	Smartphone	M	Name of item installment
	16.3 Quantity	integer	2	M	150000
	16.4 Amount	integer	100000000	M	100000000. Amount of item product
	16.5 Type	varchar(100)		M	Category of Product
	16.6 Url	varchar(100)		M	URL of the product in the merchant site / platform
	16.7 ImageUrl	varchar(256)		O	URL of the image of the product in the merchant site / platform
	16.8 ParentType	varchar(100)	SELLER or ITEM	M	Possible values : SELLER, ITEM
16.9 ParentId	varchar(100)	SELLER88	M	It will correspond to the SELLER ID if the parentType is SELLER, alternatively it will correspond to the ITEM ID if the parentType is ITEM	
17.	ShippingAddress	List		M	Shipping Address Detail
	17.1 FirstName	varchar(100)	Recipient first name	M	Shipping FirstName
	17.2 LastName	varchar(100)	Recipient last name	M	Shipping LastName
	17.3 Address	varchar(100)	JL. Letjen S. Parman No 22-24	M	Shipping Address
	17.4 City	varchar(100)	Jakarta Barat	M	Shipping City
	17.5 State	Varchar(100)	DKI Jakarta	M	Shipping State
	17.6 PostalCode	varchar(6)	11480	M	Shipping Postal Code
	17.7 Phone	varchar(20)	08788888888	M	Shipping Phone
	17.8 CountryCode	varchar(3)	ID	M	Shipping Country Code
18.	BillingAddress	List		M	Billing Address detail
	18.1 FirstName	varchar(100)	Customer first name	M	Billing FirstName
	18.2 LastName	varchar(100)	Customer Last Name	M	Billing LastName
	18.3 Address	varchar(100)	JL. Letjen S. Parman No 22-24	M	Billing Address
	18.4 City	varchar(100)	Jakarta Barat	M	Billing City
	18.5 State	Varchar(100)	DKI Jakarta	M	Billing State
	18.6 PostalCode	varchar(6)	11480	M	Billing Postal Code
	18.7 Phone	varchar(20)	08788888888	M	Billing Phone
	18.8 CountryCode	varchar(3)	ID	M	Billing Country Code
19.	Sellers	List (n)		M	Only For Seller Detail



19.1 Id	varchar(100)	Your-seller-id	M	Seller's ID
19.2 Name	varchar(100)	Your-seller-name	M	Seller's Name
19.3 Url	varchar(100)	https://your-seller-site	M	Seller's URL
19.4 SelleridNumber	varchar(100)	Your-seller-id-number	M	Seller's identifier number (KTP / SIM / etc)
19.5 Email	varchar(100)	seller@ipay88.co.id	M	Seller's Email
19.6 Address	list		M	Seller's Shop
19.6.1 FirstName	varchar(100)	Seller First name	M	Seller's Shop FirstName
19.6.2 LastName	varchar(100)	Seller Last Name	M	Seller's Shop LastName
19.6.3 Address	varchar(100)	JL. Letjen S. Parman No. 22-24	M	Seller's Shop Address
19.6.4 City	varchar(100)	Jakarta Barat	M	Seller's Shop City
19.6.5 State	Varchar(100)	DKI Jakarta	M	Seller's State
19.6.6 PostalCode	varchar(6)	11480	M	Seller's Shop Postal Code
19.6.7 Phone	varchar(20)	08788888888	M	Seller's Shop Phone
19.6.8 CountryCode	varchar(16)	ID	M	Seller's Shop Country Code

4.2 Request Signature

This signature must be included in the request of every transaction. This hash signature for a request is a hash of the following five fields:

1. MerchantKey (Provided by iPay88 OPSG and share between iPay88 and merchant only)
2. MerchantCode
3. RefNo
4. Amount
5. Currency

The fields must set in the following order,
(MerchantKey & MerchantCode & RefNo & Amount & Currency)

Example:

MerchantKey = "apple"

MerchantCode = "ID00001"

RefNo = "A00000001"

Amount = "300000" (Note: 300000 represent amount as Rp 3.000,00)

Currency = "IDR"

The hash would be calculated on the following string:

applekeyID00001A00000001300000IDR

The resulting has signature value equals to (using SHA1 algorithm)

Q/iIMzpjZCrhJ2Yt2dor1PaFEFI=

To ensure the signature generated was correct, visit the link below for signature comparison.

<https://payment.ipay88.co.id/epayment/testing/TestSignature.asp>

4.3 Request Sample JSON

```
{
  "MerchantCode": "your-merchant-code",
  "PaymentId": "71",
  "Currency": "IDR",
  "RefNo": "88",
  "Amount": "6500000",
  "ProdDesc": "Souvenir 1,Souvenir 2",
  "UserName": "Your Customer Name",
  "UserEmail": "your.customer.email@ipay88.co.id",
  "UserContact": "087888888888",
  "Remark": "Transaction 2018-03-26 17:12:55",
  "Lang": "UTF-8",
  "ResponseURL": "https://your-site/ipay88-response",
  "BackendURL": "https://your-site/ipay88-backend",
  "Signature": "SrhVUhH2IboZYrGhfqJ01Qx0c1M=",
  "xfield1": "",
  "ItemTransactions":[
    {
      "Id": "88",
      "Name": "Souvenir 1",
      "Quantity": "2",
      "Amount": "1000000",
      "Type": "Product 88",
      "Url": "https://your-site/product-id=88",
      "ImageUrl": "https://your-site/product-id=88/image.png",
      "ParentType": "SELLER",
      "ParentId": "SELLER88"
    },
    {
      "Id": "89",
      "Name": "Souvenir 1",
      "Quantity": "1",
      "Amount": "2000000",
      "Type": "Product 89",
      "Url": "https://your-site/product-id=89",
      "ImageUrl": "https://your-site/product-id=88/image.png",
      "ParentType": "SELLER",
      "ParentId": "SELLER88"
    },
    {
      "Id": "shippingfee",
      "Name": "Shipping Fee",
      "Quantity": "1",
      "Amount": "2500000",
      "Type": null,
      "Url": null,
      "ImageUrl": null,
      "ParentType": null,
    }
  ]
}
```



```
        "ParentId": null
      },
      {
        "Id": "taxfee",
        "Name": "Tax Fee",
        "Quantity": "1",
        "Amount": "1500000",
        "Type": null,
        "Url": null,
        "ImageUrl": null,
        "ParentType": null,
        "ParentId": null
      },
      {
        "Id": "discount",
        "Name": "Discount",
        "Quantity": "1",
        "Amount": "500000",
        "Type": null,
        "Url": null,
        "ImageUrl": null,
        "ParentType": null,
        "ParentId": null
      }
    ],
    "ShippingAddress":
    {
      "FirstName": "Customer recipient first name",
      "LastName": "Customer recipient last name",
      "Address": "Jl. Letjen S. Parman No.22-24",
      "City": "Jakarta Barat",
      "State": "DKI Jakarta",
      "PostalCode": "11480",
      "Phone": "087888888888",
      "CountryCode": "ID"
    },
    "BillingAddress":
    {
      "FirstName": "Customer first name",
      "LastName": "Customer last name",
      "Address": "Jl. Letjen S. Parman No.22-24",
      "City": "Jakarta Barat",
      "State": "DKI Jakarta",
      "PostalCode": "11480",
      "Phone": "087888888888",
      "CountryCode": "ID"
    },
    "Sellers": [
```



```
{
  "Id": "your-seller-id",
  "Name": "Your Seller Name",
  "url": "https://your-seller-site",
  "SellerIdNumber": "your-seller-id-number",
  "Email": "seller@ipay88.co.id",
  "address": {
    "FirstName": "Seller first name",
    "LastName": "Seller last name",
    "Address": "Jl. Letjen S. Parman No.22-24",
    "City": "Jakarta Barat",
    "State": "DKI Jakarta",
    "PostalCode": "11480",
    "Phone": "087888888888",
    "CountryCode": "ID"
  }
}]
}
```



5 Response Format

iPay88 Indonesia send parameters via JSON as a response to Merchant. Here are some parameters as a response:

5.1 Response Parameters Seamless Payment

Response Format				
No.	Field Name	Type (Size)	Sample	Description
1.	MerchantCode	varchar(20)	ID00001	Merchant code assigned by iPay88
2.	PaymentId	Integer	55	Payment method identifier
3.	RefNo	varchar(20)	720201745653AM	Unique merchant transaction number / Order ID
4.	Amount	Integer	100000000	100000000 mean 1000000
5.	Currency	varchar(5)	IDR	Only support for IDR
6.	Remark	varchar(100)		Merchant remarks
7.	TransId	varchar(30)	T0036521900	iPay88 OPSG Transaction ID
8.	AuthCode	varchar(20)		Bank's approval code
9.	Status	varchar(1)	6	Payment status "6" – Pending "0" – Fail
10.	ErrDesc	varchar(100)		Description of error message
11.	Signature	varchar(100)	lkvo2Xuy7BImSfMoTBznJSUOEC8=	SHA1 signature (refer to 5.2)
12.	CheckoutURL	varchar(100)	https://sandbox.ipay88.co.id/epayment/entry.asp?CheckoutID=5F822C024A102470C16A762C19EA29D7879A47B2EFF7C4151E309F00EDEADC6F&Signature=Nv2ub5JULwXf1X2x7B9CLe3z7K4%3d	URL for redirect to iPay88 Page
13.	xfield1	varchar(20)		To enable installment and discount payment



5.2 Response Signature

If the Merchant request is successful the response message will contain as SHA1hashed signature. The hash signature for the response is a hash of the following fields:

1. MerchantKey (Provided by iPay88 OPSG and share between iPay88 and merchant only)
2. MerchantCode
3. PaymentId
4. RefNo
5. Amount
6. Currency
7. Status

The fields must be set in the following order, (MerchantKey & MerchantCode & PaymentId & RefNo & Amount & Currency & Status)

For Example:

MerchantKey = "applekey"
MerchantCode = "ID00001"
PaymentId = "55"
RefNo = "A00000001"
Amount = "300000" (**Note:** 300000 represent amount as Rp 3.000,00)
Currency = "IDR"
Status = "6"

The hash would be calculated on the following string:

applekeyID0000155A00000001300000IDR6

The resulting has signature value equals to (using SHA1 algorithm)

AB+1VZDnVdKMmCdyaKgkN/nRn5A=

To ensure the signature generated was correct, visit the link below for signature comparison.

<https://payment.ipay88.co.id/epayment/testing/TestSignature.asp>



5.3 Response Sample JSON

```
{
  "MerchantCode"      : "ID00001",
  "PaymentId"         : "71",
  "RefNo"              : "720201745653AM",
  "Amount"            : "100000000",
  "Currency"          : "IDR",
  "Remark"            : "",
  "TransId"           : "T0027546100",
  "AuthCode"          : "",
  "Status"            : "6",
  "ErrDesc"           : "",
  "Signature"         : "lkvo2Xuy7BlmSfMoTBznJSUOEC8=",
  "CheckoutURL"       :
  "https://sandbox.ipay88.co.id/epayment/entry.asp?CheckoutID=5F822C024A102470C16A762C19EA29
  D7879A47B2EFF7C4151E309F00EDEADC6F&Signature=Nv2ub5JULwXf1X2x7B9CLe3z7K4%3d",
  "xfield1"           : "",
}
```



6 Payment Response

iPay88 Indonesia send parameters via HTTPS POST to merchant after payment process

6.1 Response Parameters HTTP POST

Response Format				
No.	Field Name	Type (Size)	Sample	Description
1.	MerchantCode	varchar(20)	ID00001	Merchant code assigned by iPay88
2.	PaymentId	Integer	55	Payment method identifier
3.	RefNo	varchar(20)	720201745653AM	Unique merchant transaction number / Order ID
4.	Amount	Integer	100000000	100000000 mean 1000000
5.	Currency	varchar(5)	IDR	Only support for IDR
6.	Remark	varchar(100)		Merchant remarks
7.	TransId	varchar(30)	T0036521900	iPay88 OPSG Transaction ID
8.	AuthCode	varchar(20)		Bank's approval code
9.	Status	varchar(1)	1	Payment status "1" – Success "0" – Fail
10.	ErrDesc	varchar(100)		Description of error message
11.	Signature	varchar(100)	lkvo2Xuy7BlmSfMoTBznJSUOEC8=	SHA1 signature (refer to 5.2)
12.	CheckoutURL	varchar(100)	https://sandbox.ipay88.co.id/epayment/entry.asp?CheckoutID=5F822C024A102470C16A762C19EA29D7879A47B2EFF7C4151E309F00EDEADC6F&Signature=Nv2ub5JULwXf1X2x7B9CLe3z7K4%3d	URL for redirect to iPay88 Page
13.	xfield1	varchar(20)		To enable installment and discount payment



6.2 Response Sample HTTP POST

```
<%  
MerchantCode = Request.Form("MerchantCode")  
PaymentId    = Request.Form("PaymentId")  
RefNo        = Request.Form("RefNo")  
Amount       = Request.Form("Amount")  
eCurrency    = Request.Form("Currency")  
Remark       = Request.Form("Remark")  
TransId      = Request.Form("TransId")  
AuthCode     = Request.Form("AuthCode")  
eStatus      = Request.Form("Status")  
ErrDesc      = Request.Form("ErrDesc")  
Signature    = Request.Form("Signature")  
  
%>  
  
<Add your programming code here>
```