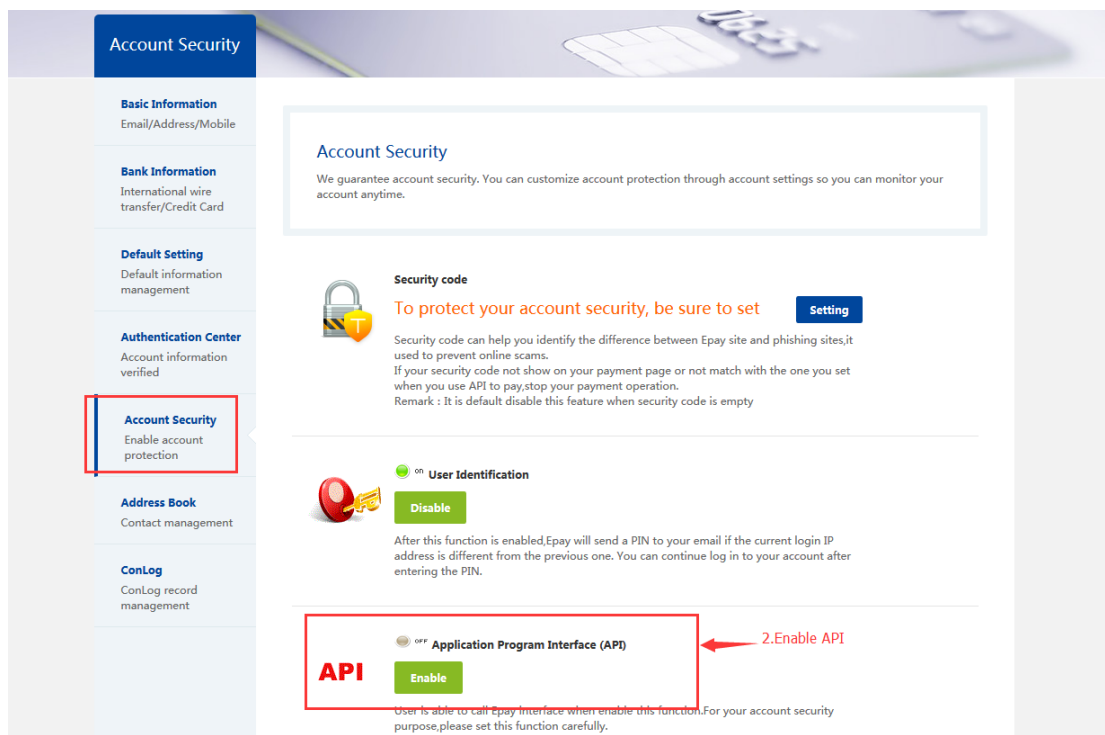
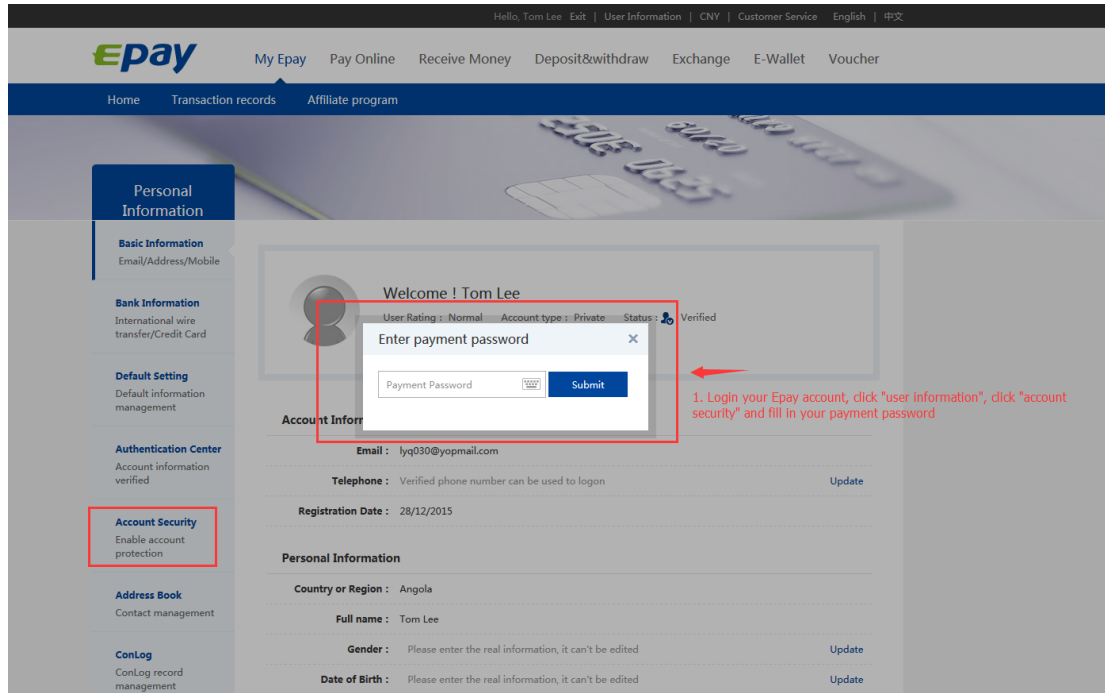

Epay API Description Documents

v1.0	-	2015.01.01
v1.1	-	2015.03.04
v1.2	-	2015.05.07
v1.3	-	2015.10.20
v1.4	-	2016.01.08
v1.5	-	2016.03.18

1.Enable API

1. Steps to enable API

Before integrating Epay SCI, please login your Epay account to enable API. Here are the steps:



Account Security
Enable account protection

Address Book
Contact management

ConLog
ConLog record management

Remark : It is default disable this feature when security code is empty

on User Identification

Disable

After this function is enabled,Epay will send a PIN to your email if the current login IP address is different from the previous one. You can continue log in to your account after entering the PIN.

on Application Program Interface (API)

API

Disable

User is able to call Epay interface when enable this function.For your account security purpose,please set this function carefully.

API_KEY: 2972c6d0e1f34c94b400b403f41cd744

Refresh

User should update the new API_KEY in your system when you refresh your API_KEY

Receive Money	Enable API_KEY Verification <div>Enable</div> <p>When user enable this function,the API_Key should be verified first before user receive payment via interface.If function is disable,user can receive money via interface without API_Key verified</p>
Send Money	Enable payout interface <div>Enable</div> <p>User should set the payout IP first after enable this function,Epay system will verify this IP and API_KEY before sending money via interface</p>

3.Enable Send Money

2. Shopping Cart Interface

1. Function Description

Merchants can adjust their shopping cart checkout modules to gain access the Epay payment system.

```

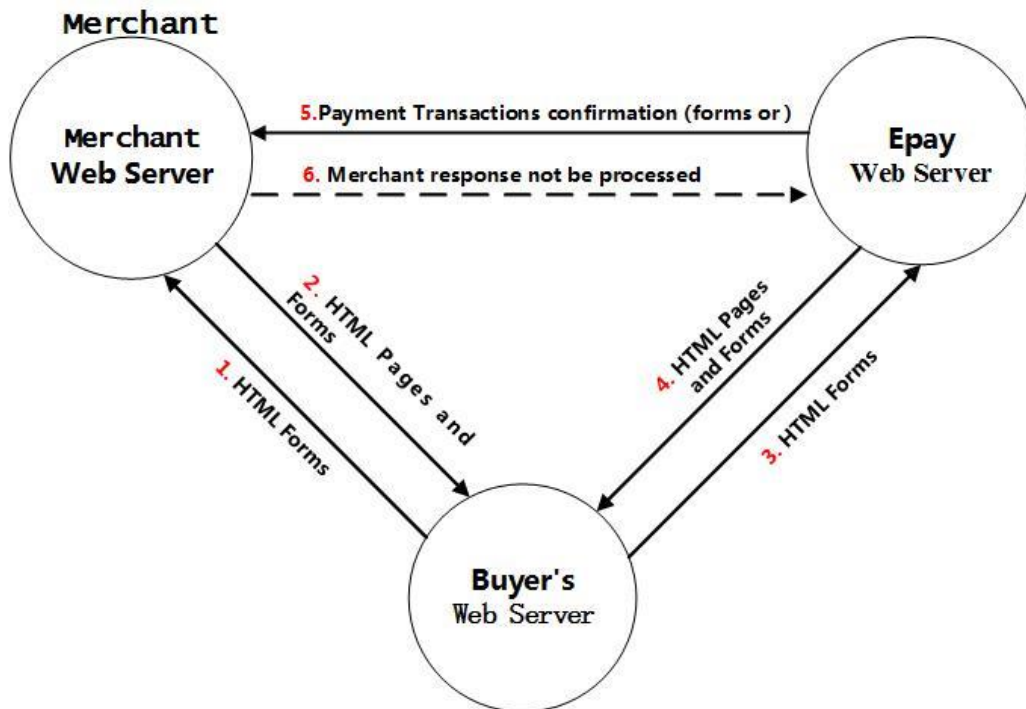
graph LR
    subgraph Merchant ["Merchant' s Web server"]
        M1[Merchant checkout page  
Epay]
        M2[Paid failure Page  
( No payment—URL )]
        M3[Paid successful Page  
( Payment—URL )]
    end

    subgraph Epay ["Epay Web Server"]
        E1[Epay Account Pay/Receive page  
Page preview  
Cancel]
        E2[Pay/Receive Confirm Page  
Confirm  
Cancel]
        E3[Pay/Receive Result Page  
Continue]
        E4[Paid failure]
        E5[Paid successful]
        E6[STATUS—URL]
    end

    M1 -- 1 --> E1
    E1 --> E2
    E2 --> E3
    E3 -- 3 --> E5
    E5 --> E6
    E4 -- 2 --> M2
    E5 -- 3 --> M3
  
```

The diagram illustrates the payment flow between a Merchant's Web server and the Epay Web Server. The process starts with the Merchant checkout page (Epay) sending a request (1) to the Epay Account Pay/Receive page. This leads to a sequence of pages: Page preview, Confirm, and Continue. If the payment fails, the system sends a 'Paid failure' message (2) back to the Merchant's Paid failure Page. If successful, it sends a 'Paid successful' message (3) to the Merchant's Paid successful Page. The process concludes with a STATUS—URL.

Remarks: The figure does not show the procedure for Epay to initiate notifications successful transactions to the merchant's server after a transaction has succeeded.



2. Access Instructions

To gain access to the Epay payment system a merchant must first modify his shopping cart checkout system. In the list of payment options, it is necessary to select Epay payment as one of the options. In short, the system allows buyers to pay with Epay. The fields listed below is form content needed to be submitted when your buyers choose Epay as payment method.

This form also contains other hidden text fields to control how the Epay server interacts with the Merchant's server(s) once payment is completed or aborted. This form is called the SCI Entry Form, since it is the means by which a buyer using a merchant's shopping cart system gains entry into the Epay payment system. The specifications for the Entry Form are provided in this section.

2.1. Access Address

<https://api.epay.com/paymentApi/merReceive>

2.2 User Submitted Payment Form Via a Merchant

name	Type	Description	Field description	Must submit or not
PAYEE_ACCOUNT	String(50)	User account	Account use to receive money	Y
PAYEE_NAME	String(50)	Account display name	The business name that user wanted to displayed on Epay system trading page. For example: "three Squirrel Nut shops."	Y

PAYMENT_AMOUNT	Number(8, 2)	Transaction amount	Number with two decimal places Format Example: 10.25	Y
PAYMENT_UNITS	String(10)	Transaction currency	USD,EURO,HKD,GBP	Y
PAYMENT_ID	String(50)	User transaction code	This field can be used to fill in the order number, invoice number, or other sole trade information. Suggested format: Numbers, letters, alphanumeric combination	N
STATUS_URL	String(100)	URL (payment status feedback)	If payment succeeds, Epay server callback URL, support http; or sent to the email: XX@mail.com Example: https://www.shop.com/orderpayment.asp or XX@mail.com	Y
PAYMENT_URL	String(100)	URL for Successful payment transfer	Epay server sent the payment status to the URL, support HTTP and HTTPS. Example: https://www.shop.com/paymentSuccess.asp	Y
PAYMENT_URL_METHOD	String(5)	Method of successful payment request	“post” or “get” default “post”	N
NOPAYMENT_URL	String(100)	Unsuccessful payment transfer URL	If transaction failed, Epay server callback URL, support http and https Example: https://www.shop.com/paymentFail.asp	N
NOPAYMENT_URL_METHOD	String(5)	Method of unsuccessful payment request	“post” or “get” default “post”	N
BAGGAGE_FIELDS	String(500)	Hidden test file name	Transfer with hidden file name for the purposes of merchants' own business handled. Total data size of a hidden field is not exceeded 4000 bytes, if there is no values please send" empty string". Format: name1 name2 name3 Example: KEY_CODE BATCH_NUM (divide with Space)	N
SUGGESTED_MEMO	String(500)	Recommend Memo content	If this input field is present, the Memo area of the Epay payment form is pre-filled in with its value.. The customer is free to edit the memo, so its content should not be relied upon to stay unchanged.	N

			This file exclusive with the suggested_memo_no change field.	
SUGGESTED_MEMO_NOCHANGE	String(500)	Forced memo content	If this input field is present and not empty, user can not edit memo field during payment process his file exclusive with the SUGGESTED_MEMO field.	N
FORCED_PAYER_ACCOUNT	String(50)	Counter party account	If this input field is present, the account number used to send money will be made fixed and cannot be edited/changed by the customer)	N
INTERFACE_LANGUAGE	String(10)	Language codes	Language code en_us - u.s. english zh_cn – Chinese Default: en_us(case insensitive)	N
CHARACTER_ENCODING	String(10)	Coded format	GBK,UTF-8 Default: UTF-8(case insensitive)	N
V2_HASH	String(32)	Sign	This encrypted field is set according to API settings (must validate if enable; no need to validate if disable) V2_HASH=MD5(PAYEE_ACCOUNT:PAYMENT_AMOUNT:PAYMENT_UNITS:API_KEY) Example : MD5(michael@yopmail.com:100:USD:3c9abae1a1164828ac6d339f4fc98fd3)	N


Example: Interface calling of payment receive

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
</head>
<body>
<form name="form1" method="post" action="https://api.epay.com/paymentApi/merReceive" >
<input name="PAYEE_ACCOUNT" type="text" value="michael@yopmail.com" size="40" /><br>
<input name="PAYEE_NAME" type="text" value="Three little squirrels nuts" size="40" /><br>
<input name="PAYMENT_AMOUNT" type="text" value="100" size="40" /><br>
<input name="PAYMENT_UNITS" type="text" value="USD" size="40" /><br>
<input name="PAYMENT_ID" type="text" value="123456789" size="40" /><br>
<input name="STATUS_URL" type="text" value="https://api.epay.com/pay_result.jsp" size="40" /><br>
```

```
<input name="PAYMENT_URL" type="text" value="https://api.epay.com/pay_result1.jsp" size="40" /><br>
<input name="PAYMENT_URL_METHOD" type="text" value="post" size="40" /><br>
<input name="NOPAYMENT_URL" type="text" value="https://api.epay.com/pay_result1.jsp" size="40" /><br>
<input name="NOPAYMENT_URL_METHOD" type="text" value="post" size="40" /><br>
<input name="BAGGAGE_FIELDS" type="text" value="KEY_CODE BATCH_NUM" size="40" /><br>
<input name="KEY_CODE" type="text" value="145698" size="40" /><br>
<input name="BATCH_NUM" type="text" value="698558" size="40" /><br>
<input name="SUGGESTED_MEMO" type="text" value="" size="40" /><br>
<input name="SUGGESTED_MEMO_NOCHANGE" type="text" value="" size="40" /><br>
<input name="FORCED_PAYER_ACCOUNT" type="text" value="" size="40" /><br>
<input name="INTERFACE_LANGUAGE" type="text" value="zh_CN" size="40" /><br>
<input name="CHARACTER_ENCODING" type="text" value="UTF-8" size="40" /><br>
<input name="V2_HASH" type="text" value="ebf8241e9b928c8dcc9d28171d88ee50" size="40" /><br>
<input name="submit" type="submit" value="submit" />
</form>
</body>
</html>
```

3. Prompt for User Log in


After merchant's information was verify, the user log in page and the transaction information requested by the merchant are displayed.

 Customer service phone number : +86 755 22248886-805

Invoice number


Amount : **10.00 USD**
Payee account : **lyq091@yopmail.com**

Date : 2016-03-29 01:41:43
Merchant invoice :
Account name : Three little squirrels nuts
Message : test


Shop and pay worldwide

▼ Start use Epay

Login Epay account


 Refresh

4. Paid by User

After a user log in successfully, transaction details and balances are displayed. The user must enter his/her payment password to confirm payment.



Customer service phone number : +86 755 22248886-805

Invoice number Amount : 10.00 USD Payee account : lyq091@yopmail.com Date : 2016-03-29 01:41:43 Merchant invoice : Account name : Three little squirrels nuts Message : test  Shop and pay worldwide	Select payment type : Account Balance <div><input checked="" type="radio"/> Account Balance (4762.62 USD) <input type="radio"/> E-wallet (150.00 USD) <input type="checkbox"/> Blend Payment</div> Payment Method : Payment Description : Payment Password : Submit By making this transaction, you are deemed to accept that the payment cannot be reversed
--	--

5. Return message to Users and Merchants


After a successful transaction:

5.1. The system returns a message to the user stating the payment is successful and then goes to the URL of the merchant, which is listed in the Epay payment form.

5.2. The Epay payment system sends a transaction successful message to the merchant's server in HTML by POST. The URL is the value of the STATUS_URL field in the Epay payment form.



Customer service phone number : +86 755 22248886-805

 **Transaction was completed**

Welcome to use Epay service and if you have any question, please email to: service@epay.com

Batch No : P2016032901461711243
Payee Name : Three little squirrels nuts
Paid To : lyq091@yopmail.com
Paid From : lyq030@yopmail.com
Amount : **10.00 USD**
Fee : **0.0**
Payment Description :

confirm

6. Result feedback to the merchant once paid succeeded

name	Type	Description	Field description	Necessar y or not
PAYEE_ACCOUNT	String(50)	User account	Account use to receive money	Y
ORDER_NUM	String(50)	Batch No.	Epay batch No.	Y
PAYMENT_AMOUNT	Number(8,2)	Transaction amount	Number with two decimal places Format Example: 10.25	Y
PAYMENT_UNITS	String(10)	Currency	USD,EURO,HKD,GBP	Y
PAYMENT_ID	String(50)	User transaction code	This field can be used to fill in the order number, invoice number, or other sole trade information. Will not return if the Merchant do not request	N
PAYER_ACCOUNT	String(20)	Counter party account	Account use to send money	Y
STATUS	String(2)	Payment Status	1. Fail 2.Succeed	Y
TIMESTAMPGMT	String(20)	Time	Transaction completed time (YYYY-MM-dd HH:mm:ss)	Y
BAGGAGE_FIELDS	String(500)	Hidden text fields	A space delimited list of hidden text field names used exclusively by the merchant for his own purposes	N
V2_HASH	String(500)	Sign	MD5(ORDER_NUM:PAYEE_ACCOUNT:PAYMENT_AMOUNT:PAYMENT_UNITS:PAYER_ACCOUNT:STATUS:TIMESTAMPGMT:API_KEY) MD5(ORDER_NUM:PAYEE_ACCOUNT:PAYMENT_AMOUNT:PAYMENT_UNITS:PAYER_ACCOUNT:STATUS:TIMESTAMPGMT:API_KEY) Example: MD5(P45645456454645:michael@yopmail.com:100:USD:jack@yopmail.com:1:2015-02-21 11:22:55:3c9abae1a1164828ac6d339f4fc98fd3)	Y

3. Merchant Payment Interface

1. Function Description

Merchant can pay for any user through the interface, which is directly payment interface without user confirmation .

2. Access Instructions

2.1. Access Address

<https://api.epay.com/paymentApi/merPayment>

2.2 User Submitted Payment Form Via Merchants

name	Type	Description	Field description	Necessar y or not
PAYER_ACCOUNT	String(50)	User account	Account used to send money	Y
PAYEE_NAME	String(50)	Account display name	The business name that user wanted to displayed on Epay system payment page. For example: "three Squirrel Nut shops."	Y
PAYMENT_AMOUNT	Number(8,2)	Transaction amount	Number with two decimal places Format Example: 10.25	Y
PAYMENT_UNITS	String(10)	Transaction currency	USD,EURO,HKD,GBP	Y
PAYMENT_ID	String(50)	User transaction code	The value of this field can be used by the user for the order number, invoice identifier or any other reference string	N
MEMO	String(500)	Payment memo	Payment memo content	N
FORCED_PAYEE_ACCOUNT	String(50)	Counter party account	receive Account	Y
INTERFACE_LANGUAGE	String(5)	Language codes	Language code en_us - u.s. english zh_cn – Chinese Default: en_us(case insensitive)	N
CHARACTER_ENCODING	String(10)	Coded format	GBK,UTF-8 Default: UTF-8(case insensitive)	N
V2_HASH	String(32)	Sign	MD5(PAYER_ACCOUNT:PAYMENT_AMOUNT:PAYMENT_UNITS:FORCED_PAYEE_ACCOUNT:API_KEY)(all default lowercase after encrypted) MD5(PAYER_ACCOUNT:PAYMENT_AMOUNT:PAYMENT_UNITS:FORCED_PAYEE_ACCOUNT:API_KEY)	Y

			Example: MD5(eric@epay.com:100:USD:michael@yopmail.com:3c9abae1a1164828ac6d339f4fc98fd3)	
--	--	--	---	--

Example: Interface calling of payment sent out

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
</head>
<body>
<form name="form1" method="post" action="https://api.epay.com/paymentApi/merPayment" >
<input name="PAYER_ACCOUNT" type="text" value="eric@epay.com" size="40" /><br>
<input name="PAYEE_NAME" type="text" value="Three little squirrels nuts" size="40" /><br>
<input name="PAYMENT_AMOUNT" type="text" value="100" size="40" /><br>
<input name="PAYMENT_UNITS" type="text" value="USD" size="40" /><br>
<input name="PAYMENT_ID" type="text" value="123456789" size="40" /><br>
<input name="MEMO" type="text" value="" size="40" /><br>
<input name="FORCED_PAYEE_ACCOUNT" type="text" value="michael@yopmail.com" /><br>
<input name="INTERFACE_LANGUAGE" type="text" value="zh_CN" size="40" /><br>
<input name="CHARACTER_ENCODING" type="text" value="UTF-8" size="40" /><br>
<input name="V2_HASH" type="text" value="" size="40" /><br>
<input type="submit" name="submit" id="submit" value="submit" />
</form>
</body>
</html>
```

3 Return Result

名称	Type	Description	Field description	Necessary or Not
RETURN_CODE	Number(49)	Return code	Return code (0000 transaction successful)	Y
RETURN_MSG	String(100)	Return information	Return error message when action fail	Y
PAYER_ACCOUNT	String(50)	User account	Account used to send	Y

			money	
ORDER_NUM	String(50)	Batch number	Epay batch number	Y
PAYMENT_AMOUNT	Number(8,2)	Amount	Format(10.25)	Y
PAYMENT_UNITS	String(10)	Currency	USD,EURO,HKD,GBP	Y
PAYMENT_ID	String(50)	User transaction code	The value of this field can be used by the merchant for the order number, invoice identifier or any other reference string	N
FORCED_PAYEE_ACCOUNT	String(20)	Counter party account	Account use to receive money	Y
STATUS	String(2)	Payment status	1:Fail 2: Succeed	Y
TIMESTAMPGMT	String(20)	Time	Order completed time (YYYY-MM-dd HH:mm:ss)	Y
V2_HASH	String(500)	Sign	MD5(ORDER_NUM:PAYEE_ACCOUNT:PAYMENT_AMOUNT:PAYMENT_UNITS:FORCED_PAYEE_ACCOUNT:STATUS:TIMESTAMPGMT:API_KEY) MD5(ORDER_NUM:PAYEE_ACCOUNT:PAYMENT_AMOUNT:PAYMENT_UNITS:FORCED_PAYEE_ACCOUNT:STATUS:TIMESTAMPGMT:API_KEY) Example: MD5(P45645456454645:eric@epay.com:100:USD:michael@yopmail.com:1:2015-02-21 11:22:55:3c9abae1a1164828ac6d339f4fc98fd3)	Y