

KRUNGSRI E-PAYMENT

KRUNGSRI E-PAYMENT SERVICES are the facilities service of Credit Card and Direct Debit payment from intra-bank account to merchant website whenever account owner making purchase transaction and choose payment type by Krungsri e-Payment Direct Debit in order to complete payment and checkout processes.

The components of service are combined by 2 websites, secured communication, and payment processing after account owner completed check out process. However, the overall of E-Payment Direct Debit can be demonstrated by following these steps:

Step 1: Customer Accesses to Merchant Website

Step 1.1: Customer selects the goods/services on merchant website

Step 1.2: Adding goods/services to cart/basket.

Step 1.3: Customer continues to check out the selected goods/services.

Step 1.4: Customer chooses payment by Krungsri E-Payment or Krungsri Online.

Step 2: Merchant Website Redirects Page to Krungsri E-Payment

Step 2.1: Merchant website redirects page to dedicated of Krungsri E-Payment by URL
<https://int.krungsriepayment.com/EPayDefaultWeb/PaymentManager/PaymentInput.do>

Step 2.2: Merchant website starts post transaction detail (to Payment URL by “**HTTP POST Method**”).

Step 3: Customer Authentication for Payment Transaction.

Step 3.1: Krungsri E-Payment shows page log-in

Step 3.2: Customer is required to log-in by Krungsri Online Username and Password.

Step 3.3: Customer chooses account for making payment.

Step 3.4: Krungsri E-Payment shows **payment detail** and required customer to confirm payment transaction by **OTP**.

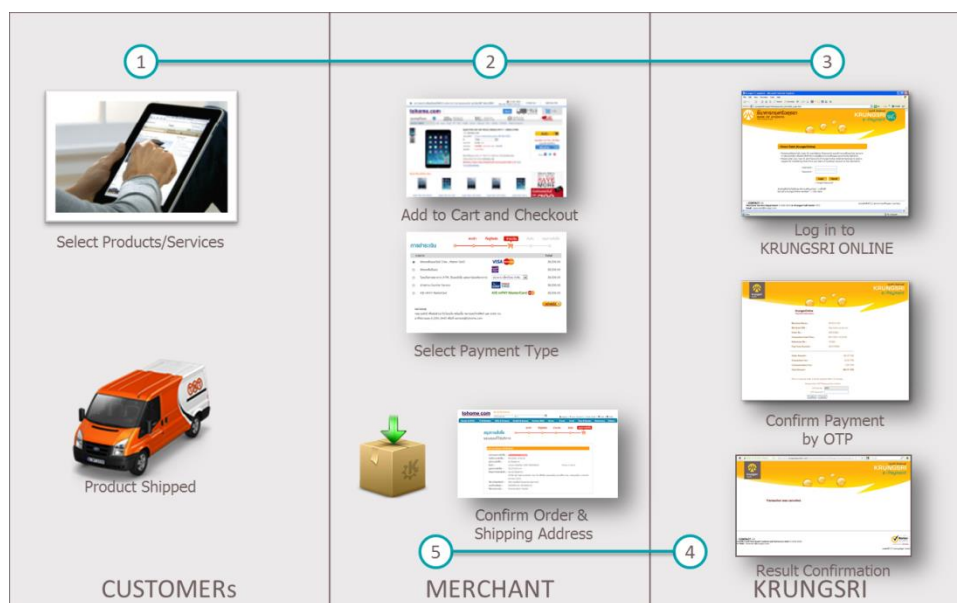
Step 4: Payment Result Confirmation

Step 4.1: Krungsri E-Payment will manipulate payment transaction and show payment status after customer completed OTP input. The customer can redirect page to merchant website on payment status page.

Step 4.2: Krungsri E-Payment will revert **foreground detail** by “**HTTP GET**” to redirect payment status to merchant website.

Step 4.3: Krungsri E-Payment will revert **background detail (optional)** by “**HTTP POST**” to confirm payment status with each order of merchant.

Step 4.4: Merchant Website confirms order and shipping address with customer and end payment transaction.



System Setting for Testing Environment (UAT)

- Payment URL** <https://int.krungsriepayment.com/EPayDefaultWeb/PaymentManager/PaymentInput.do>
- Post Transaction Message:** in the 2nd step in order to initiate transaction request, merchant website has to post request transaction message via dedicated website of Krungsri E-Payment by standard message layout for “HTTP POST Method”. The Standard Message Layout is the standardize communication messages from Merchant Website to host of Krungsri E-Payment. Merchant Website required posting all mandatory fields message in order to complete online payment processing.

2.1. Standard Message Layout for Merchant Post Transaction (“HTTP POST Method”)

NO.	FIELD NAME	TYPE	LENGTH	DESCRIPTION	EXAMPLE
1	MERCHANTNUMBER	Numeric	9	Merchant Identification Number (created by bank at 1 st time). The value should be in range between “000000001” and “999999999”	950999999
2	ORDERNUMBER	Numeric	9	The order number indicates detail of those transactions. Field format must be in ASCII character by unique number	000000001
3	PAYMENTTYPE	Character	11	Payment Type indicate payment pattern. The variables should be: <ul style="list-style-type: none"> “CreditCard” = pay by credit card “DirectDebit” = pay by debit money from bank account 	DirectDebit
4	AMOUNT	Numeric	-	The amount of payment based on 32-bit integer Sample Post Amount <div> <div>Actual Amount</div> <div>Merchant Posting</div> <div>123.00</div> <div>12300</div> <div>15.72</div> <div>1572</div> </div>	12300
5	CURRENCY	Numeric	3	3 digits numeric based on ISO 4217 (International Currency) <div> <div>Currency</div> <div>Code</div> <div>Thai Baht</div> <div>764</div> </div>	764

NO.	FIELD NAME	TYPE	LENGTH	DESCRIPTION	EXAMPLE
6	AMOUNTEXP10	Numeric	-	Parameter to identify decimal of payment amount for international currency. The variable should be in range of below instruction. Instruction: <ul style="list-style-type: none"> Use “-2” for all currencies except Japanese Yen. Use “0” for Japanese Yen only. 	-2 or 0
7	LANGUAGE	Character	2	Parameter of required screen languages. The variable should be in range of below instruction. Instruction: <ul style="list-style-type: none"> Use “TH” for Thai. Use “EN” for English. 	TH
8	REF1	Character	25	Payment reference 1 post by merchant	REF1001
9	REF2	Character	25	Payment reference 2 post by merchant	REF2001
10	REF3	Character	25	Payment reference 3 post by merchant	REF3001
11	REF4	Character	25	Payment reference 4 post by merchant	REF4001
12	REF5	Character	25	Payment reference 5 post by merchant or merchant contact person email	me@bay.com

2.2. Background Response

After host receive transaction message and customer has completed authentication and payment process on the 3rd step, Krungsri E-Payment will manipulate all transaction data and revert background response to merchant application.

1) **URL for Background Response:** assign by Merchant

2) **Standard Message Layout for Background Response by “HTTP POST Method”** (Bank to Merchant)

No.	FIELD NAME	TYPE	LENGTH	DESCRIPTION	EXAMPLE						
1	MERCHANTNUMBER	Numeric	9	Merchant Identification Number (created by bank at 1 st time). The value should be in range between “000000001” and “999999999”	950999999						
2	ORDERNUMBER	Numeric	9	The order number indicates detail of those transactions. Field format must be in ASCII character by unique number	000000001						
3	PAYMENTTYPE	Character	11	Payment Type indicate payment pattern. The variables should be: <ul style="list-style-type: none">“CreditCard” = pay by credit card“DirectDebit” = pay by debit money from bank account	DirectDebit						
4	AMOUNT	Numeric	-	The amount of payment based on 32-bit integer Sample Post Amount <table><tr><td><u>Actual Amount</u></td><td><u>Merchant Posting</u></td></tr><tr><td>123.00</td><td>12300</td></tr><tr><td>15.72</td><td>1572</td></tr></table>	<u>Actual Amount</u>	<u>Merchant Posting</u>	123.00	12300	15.72	1572	12300
<u>Actual Amount</u>	<u>Merchant Posting</u>										
123.00	12300										
15.72	1572										
5	CURRENCY	Numeric	3	3 digits numeric based on ISO 4217 (International Currency) <table><tr><td><u>Currency</u></td><td><u>Code</u></td></tr><tr><td>Thai Baht</td><td>764</td></tr></table>	<u>Currency</u>	<u>Code</u>	Thai Baht	764	764		
<u>Currency</u>	<u>Code</u>										
Thai Baht	764										
6	AMOUNTEXP10	Numeric	-	Parameter to identify decimal of payment	-2 or 0						

No.	FIELD NAME	TYPE	LENGTH	DESCRIPTION	EXAMPLE						
				amount for international currency. The variable will be in range of below: <ul style="list-style-type: none">“-2” for all currencies except for Japanese Yen.“0” for Japanese Yen only.							
7	LANGUAGE	Character	2	Parameter of required screen languages. The variable should be in range of: <ul style="list-style-type: none">“TH” represent for Thai Language.“EN” represent for English Language.	TH						
8	REF1	Character	25	Payment reference 1 post by merchant	REF1001						
9	REF2	Character	25	Payment reference 2 post by merchant	REF2001						
10	REF3	Character	25	Payment reference 3 post by merchant	REF3001						
11	REF4	Character	25	Payment reference 4 post by merchant	REF4001						
12	REF5	Character	25	Payment reference 5 post by merchant or merchant contact person email	me@bay.com						
13	RESPCODE	Numeric	2	Response code 2 digits from Krungsri e-Payment. The variable will be: <table><thead><tr><th><u>Code</u></th><th><u>Definition</u></th></tr></thead><tbody><tr><td>00</td><td>Success</td></tr><tr><td>99</td><td>Error</td></tr></tbody></table>	<u>Code</u>	<u>Definition</u>	00	Success	99	Error	00
<u>Code</u>	<u>Definition</u>										
00	Success										
99	Error										
14	AUTHCODE	Character	6	Authorize Code 6 characters from Krungsri e-Payment.	764589						
15	STATUS	Character	10	Return Transaction Status from Krungsri e-Payment. The variable will be <table><thead><tr><th><u>Code</u></th><th><u>Definition</u></th></tr></thead><tbody><tr><td>COMPLETE</td><td>Completed payment</td></tr><tr><td>INCOMPLETE</td><td>Incomplete payment</td></tr></tbody></table>	<u>Code</u>	<u>Definition</u>	COMPLETE	Completed payment	INCOMPLETE	Incomplete payment	COMPLETE
<u>Code</u>	<u>Definition</u>										
COMPLETE	Completed payment										
INCOMPLETE	Incomplete payment										

2.3. Foreground Redirect

- In the same time of Background Response, Krungsri E-Payment will show interface link, when customer need to roll back to merchant website.

- URL for Foreground Redirect:** assign by Merchant
- Standard Message Layout for Foreground Redirect by “HTTP GET Method”** (Bank to Merchant)

No.	FIELD NAME	TYPE	LENGTH	DESCRIPTION	EXAMPLE						
1	REF1	Character	25	Payment reference 1 post by merchant. Maximum length is 25 characters.	REF1001						
2	RESPCODE	Numeric	2	Response code 2 digits from Krungsri e-Payment. The variable will be: <table><tr><th><u>Code</u></th><th><u>Definition</u></th></tr><tr><td>00</td><td>Success</td></tr><tr><td>99</td><td>Error</td></tr></table>	<u>Code</u>	<u>Definition</u>	00	Success	99	Error	00
<u>Code</u>	<u>Definition</u>										
00	Success										
99	Error										
3	STATUS	Character	10	Transaction Status from Krungsri e-Payment. The variable will be <table><tr><th><u>Code</u></th><th><u>Definition</u></th></tr><tr><td>COMPLETE</td><td>Completed payment</td></tr><tr><td>INCOMPLETE</td><td>Incomplete payment</td></tr></table>	<u>Code</u>	<u>Definition</u>	COMPLETE	Completed payment	INCOMPLETE	Incomplete payment	COMPLETE
<u>Code</u>	<u>Definition</u>										
COMPLETE	Completed payment										
INCOMPLETE	Incomplete payment										

Example Payment Form

```
<form method="POST"
  action="https://int.krungsriepayment.com/EPayDefaultWeb/PaymentManager/PaymentInput.do">

  <p>Please complete the form.</p>

  MERCHANTNUMBER
  <input type="text" name="MERCHANTNUMBER" id="MERCHANTNUMBER"
    size="9" maxlength="9" value="950999999"><br>

  ORDERNUMBER
  <input type="text" name="ORDERNUMBER" id="ORDERNUMBER"
    size="9" maxlength="9" value="000000001"><br>

  PAYMENTTYPE
  <select name="PAYMENTTYPE">
    <option value="CreditCard">CreditCard</option>
    <option value="DirectDebit" selected>DirectDebit</option>
  </select><br>

  AMOUNT
  <input type="text" name="AMOUNT" id="AMOUNT"
    size="20" maxlength="20" value="12300"><br>

  CURRENCY
  <input type="text" name="CURRENCY" id="CURRENCY"
    size="20" maxlength="20" value="764"><br>

  EXP
  <input type="text" name="AMOUNTEXP10" id="AMOUNTEXP10"
    size="20" maxlength="20" value="-2"><br>

  LANGUAGE
  <input size="20" type="text" name="LANGUAGE" value="TH"><br>

  REF1 <input size="20" type="text" name="REF1" value="REF1000"><br>
  REF2 <input size="20" type="text" name="REF2"><br>
  REF3 <input size="20" type="text" name="REF3"><br>
  REF4 <input size="20" type="text" name="REF4"><br>
  REF5 <input size="20" type="text" name="REF5">

  <p>
    <input type="submit" name="SUBMIT" value="Submit">
    <input type="reset" name="RESET" value="Reset">
  </p>
</form>
```