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**TechProcess Single URL PHP Kit Integration**

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**Content Guide**

1. About PHP single URL kit.
2. Technical Prerequisites
3. Installation of PHP single URL kit
4. Request Types

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**1. About PHP Single URL Kit**.

The Payment-Gateway integration guide helps you, with the detailed steps you need to follow while installing and integrating “The PHP single URL Feature” with your online platform.

The Single URL provides a secured data exchange mechanism between “TechProcess PG Platform” and “Merchant’s online platform over internet

**Single URL Environment features**

* Merchant not need to configure multiple URLs to integrate with TechProcess PG Platform, as only one URL can technically handle all the request types, that are exchanged during transaction (payment) being made
* An encryption technology as AES encryption is done for better data security during data exchange between merchant and TPSL system

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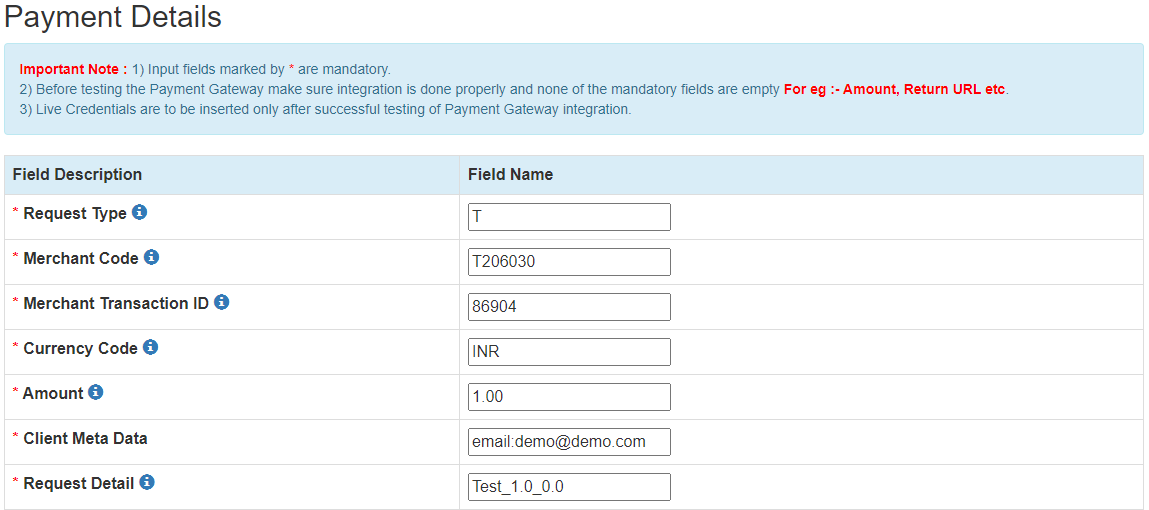
**2. Technical Prerequisites**

1. PHP version 7.2 or greater.
2. Installed and enabled openSSL Module.
3. Installed and enabled SOAP Module.
4. MerchantCode, SchemeCode, Key and IV pair for encryption and decryption , this will be shared by TPSL.

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**3. Installation of PHP single URL kit**

1. Make sure all the technical prerequisites are available.
2. Run index.php file to check all the requirements are loaded.
3. Extract and copy all the PHP kit files in your server or project.
4. Open PHP kit file with any Text Editor or server file manager.
5. Add **KEY**, **IV**, **SchemeCode** and **MerchantCode** value provided by TPSL in parameters.json file in PHP kit.
6. Also change the value of “**showAllResponse**” field to “**ON**” / “**OFF**” in parameters.json file to show all response or limited response data.
7. All mandatory fields are marked with \* sign. Please fill all required details before making any transaction.



1. PHP kit is ready to make transaction requests.

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**4. Request Types**

* TPSL PHP Kit All Request Types

| Request Type | Description | Relation |
| --- | --- | --- |
| T | Payload is for normal Transaction processing. | Only for normal Type Of Transaction. |
| TRC | Transaction and Registration with Card | To be used for transaction processing and registering the card in TPSL Card Vault Service |
| TWC | Transaction With Card | To be used if the card data is captured at merchants end. |
| TCC | Transaction with CardID and CVV | To be used by the merchant whose customer card is already vaulted and CVV captured at merchant end. |
| TWI | Transaction With IMPS | To be used if the IMPS data is captured at merchants end(MMID,MobileNo,OTP). |
| TIC | Transaction for IVR with Card. | To be used when a merchant wants to make the transaction through IVR. |
| TIO | Transaction forIVR with OTP | To be used when a merchant wants to make the transaction through IVR along with OTP. |
| TWD(Normal Sale) | TransactionWith MotoBanks | To be used if the card data is captured at merchants end. |
| TWD (Preauth Reserve) | TransactionWith MotoBanks | To be used if the card data is captured at merchants end. |
| TWD (Preauth Consume) | TransactionWith MotoBanks | To be used if the card data is captured at merchants end. |
| TRS | Transaction with CARD for SI | To be used when card and SI details capture is at merchant end |
| TWU | Transaction with VPA at Merchants End. | To be used when a Merchant wants to send VPA at his end for a UPI transaction. |
| S | Real-time Verification Request | Use it for doing dual verification in real time |
| O | Offline Verification Request | Use it for offline verification of the transaction. |
| R | Refund Initiation Request | To mark Refund against a particular transaction |

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**T request integration**

| Description | Merchant’s requirement is to allow end customers to only pay the payment and not opt for standing instructions or register themselves for SI, neither opt for InstaPay feature where InstaPay allows end customers to pay recurring payment without entering all the card details except CVV number. The business requirement is to only allow customers to make payment where TPSL provides the card capturing page that will be hosted by TPSL. |
| --- | --- |
| Sample Request Format | Rqst\_type=T|rqst\_kit\_vrsn=1.0.1|tpsl\_clnt\_cd=T2551|clnt\_txn\_ref=TXN0001|clnt\_rqst\_meta={email:myname@domain.com}|  rqst\_amnt=12.00|rqst\_crncy=INR|rtrn\_url=https://tpslvksrv6046/LoginModule/Test.jsp|  s2s\_url=https://tpslvksrv6046/LoginModule/Test.jsp|rqst\_rqst\_dtls=Test\_120.0\_0.0|  clnt\_dt\_tm=14-03-2014|tpsl\_bank\_cd=470|hash=8cf71e0eb3f7273113b7e73e0db671d8 |
| Sample Response Format | txn\_status=0300|txn\_msg=success|txn\_err\_msg=NA|clnt\_txn\_ref=TPSL925653354|tpsl\_bank\_cd=470|tpsl\_txn\_id=117203405|txn\_amt=2.00|clnt\_rqst\_meta={itc:NIC~TXN0001~122333~rt14154~8 mar 2014~Payment~forpayment}{email:sunil.sahu@techproces.co.in}{mob:9856987456}|tpsl\_txn\_time=12-11-2014 11:30:32|tpsl\_rfnd\_id=NA|bal\_amt=NA|rqst\_token=e6455494-439d-4e12-b333-abc087e869b8|hash=0631abd915a399ab39292bc76a78b1ea8e16bfba |
| Required Fields To Initiate Transaction | RequestType = “T”, MerchantCode = “T2514”, MerchantTxnRefNumber = “txn67465”, Amount =”10.00”,  CurrencyCode=”INR”, ClientMeta=“email:[demo@demo.com](mailto:demo@demo.com)”, ReturnURL=”<https://www.demo.com>”, RequestDetail=”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, CustomerID=”c485”, MobileNo=”1234567890”, Email=”demo@demo.com”. |

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**TRC request integration**

| Description | Merchant’s requirement is to allow End Customer to make payment by entering the card details where the card capturing page is provided by the Merchant. Also Merchant wishes to store card information at Merchant’s database to register the card. |
| --- | --- |
| Sample Request Format | rqst\_type=TRC|rqst\_kit\_vrsn=1.0.3|tpsl\_clnt\_cd=T2658|clnt\_txn\_ref=TXN0001|clnt\_rqst\_meta={itc:NIC~TXN0001~122333~rt14154~8 mar 2014~Payment~forpayment}|rqst\_amnt=2.00|rqst\_crncy=INR|rtrn\_url=https://tpslvksrv6046/TWCTest/Responsepayload.jsp|s2s\_url=https://tpslvksrv6046/LoginModule/Test.jsp|rqst\_rqst\_dtls=Test\_2.0\_0.0|clnt\_dt\_tm=11-03-2014|tpsl\_bank\_cd=9980|card\_details=fbd440061a1b866333e4756e1137c37ca5b84569919b60d19f6e86f33efaee6511ea0607 |
| Sample Response Format | txn\_status=0300|txn\_msg=success|txn\_err\_msg=NA|clnt\_txn\_ref=TPSL399698281|tpsl\_bank\_cd=10140|tpsl\_txn\_id=117203564|txn\_amt=2.00  |clnt\_rqst\_meta={itc:NIC~TXN0001~122333~rt14154~8 mar 2014~Payment~forpayment}{email:sunil.sahu@techproces.co.in}{mob:9856987456}|  tpsl\_txn\_time=12-11-2014 16:40:54|tpsl\_rfnd\_id=NA|bal\_amt=NA|rqst\_token=6308eff9-87db-40f1-8a17-0097c4264818|card\_id=4077|BankTransactionID=114111201389206|alias\_name=VISA\_DBT\_\*\*\*\*9847|hash=d9cf87c453fbc49f32536db6097d9e80cc7d3397 |
| Required Fields To Initiate Transaction | RequestType = “TRC”, MerchantCode = “T2514”, MerchantTxnRefNumber = “txn67465”, Amount =”10.00”,  CurrencyCode=”INR”, ClientMeta=“email:[demo@demo.com](mailto:demo@demo.com)”, RequestDetail=”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, TpslTransactionID=”” (optional), MobileNo=”1234567890”, CustomerNa=”xyz”, Email=”[demo@demo.com](mailto:demo@demo.com)”, OTP=””, CardID=””, CustomerID=”c486”, CardName=”xyz”,CardNo=”1111111111111111”,CardCvv=”123”, CardExpMM=”01”,CardExpYYYY=”2022”, |

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**TWC request integration**

| Description | Merchant’s requirement is to allow End Customer to make payment by entering the card details where the card capturing page is provided by the Merchant. |
| --- | --- |
| Sample Request Format | rqst\_type=TWC|rqst\_kit\_vrsn=1.0.3|tpsl\_clnt\_cd=T2658|clnt\_txn\_ref=TXN0001|clnt\_rqst\_meta={itc:NIC~TXN0001~122333~rt14154~8 mar 2014~Payment~forpayment}|rqst\_amnt=2.00|rqst\_crncy=INR|rtrn\_url=https://tpslvksrv6046/TWCTest/Responsepayload.jsp|s2s\_url=https://tpslvksrv6046/LoginModule/Test.jsp|rqst\_rqst\_dtls=Test\_2.0\_0.0|clnt\_dt\_tm=11-03-2014|tpsl\_bank\_cd=9980|card\_details=fbd440061a1b866333e4756e1137c37ca5b84569919b60d19f6e86f33efaee6511ea060747780f8e1b7e55e2b0e0e69880cfb |
| Sample Response Format | txn\_status=0300|txn\_msg=success|txn\_err\_msg=NA|clnt\_txn\_ref=TPSL1117741786|tpsl\_bank\_cd=9980|tpsl\_txn\_id=228583|txn\_amt=1.00|clnt\_rqst\_meta={itc:NIC~TXN0001~122333~rt14154~8 mar 2014~Payment~forpayment}|tpsl\_txn\_time=14-11-2014 09:42:39|tpsl\_rfnd\_id=NA|bal\_amt=NA|rqst\_token=a69a7a4e-b494-4eae-8827-4d95093745e8|hash=77f7303dc01b421615f66e60bf126f6d06c03068 |
| Required Fields To Initiate Transaction | RequestType = “TWC”, MerchantCode = “T2514”, MerchantTxnRefNumber = “txn67465”, Amount =”10.00”,  CurrencyCode=”INR”, ClientMeta=“email:[demo@demo.com](mailto:demo@demo.com)”, RequestDetail=”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, TpslTransactionID=”” (optional), MobileNo=”1234567890”, CustomerNa=”xyz”, Email=”[demo@demo.com](mailto:demo@demo.com)”, CardID=””, CustomerID=”c486”, CardName=”xyz”,CardNo=”1111111111111111”,CardCvv=”123”, CardExpMM=”01”,CardExpYYYY=”2022”, |

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**TCC request integration**

| Description | Assuming the card is registered using “TRC” request type at merchant’s end, now the Merchant’s requirement is to allow End Customer to make payment by entering the only CVV number against the register card to pay subsequent payment. |
| --- | --- |
| Sample Request Format | rqst\_type=TCC|rqst\_kit\_vrsn=1.0.1|tpsl\_clnt\_cd=T2551|clnt\_txn\_ref=TXN0001|clnt\_rqst\_meta={email:myname@domain.com}|  rqst\_amnt=12.00|rqst\_crncy=INR|rtrn\_url=https://tpslvksrv6046/LoginModule/Test.jsp|s2s\_url=https://tpslvksrv6046/LoginModule/Test.jsp|rqst\_rqst\_dtls=Test\_120.0\_0.0~Test\_120.0\_0.0|clnt\_dt\_tm=14-03-2014|tpsl\_bank\_cd=470|card\_details=2dd03a3c9fbfb552f139c9801dace20880391cbf34fd4448c2eeb61eaf6|Card\_ID=123456|T2856 |
| Sample Response Format | txn\_status=0300|txn\_msg=success|txn\_err\_msg=NA|clnt\_txn\_ref=TPSL1755422387|tpsl\_bank\_cd=9980|tpsl\_txn\_id=228582|txn\_amt=1.00|clnt\_rqst\_meta={itc:NIC~TXN0001~122333~rt14154~8 mar 2014~Payment~forpayment}{mob:9856987456}|tpsl\_txn\_time=14-11-2014 09:38:57|tpsl\_rfnd\_id=NA|bal\_amt=NA|rqst\_token=65fe6900-db52-4635-a584-3065dbcbf09b|card\_id=1108|BankTransactionID=2014112574211|hash=d7baacbfe190ec26e6743005c6750691b4c88a3f |
| Required Fields To Initiate Transaction | RequestType = “TCC”, MerchantCode = “T2514”, MerchantTxnRefNumber = “txn67465”, Amount =”10.00”,  CurrencyCode=”INR”, ClientMeta=“email:[demo@demo.com](mailto:demo@demo.com)”, RequestDetail=”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, TpslTransactionID=”” (optional), MobileNo=”1234567890”, CustomerName=”xyz”, Email=”[demo@demo.com](mailto:demo@demo.com)”, CardID=”1234”, CardName=””,CardNo=””,  CardCvv=”111” (if present), CardExpMM=””,CardExpYYYY=””, |

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**TWI request integration**

| Description | Merchant’s requirement is to allow end customer to make a payment using IMPS as a payment option. End customer will enter IMPS details such as MMID, Mobile number & OTP at Merchant’s website |
| --- | --- |
| Sample Request Format | rqst\_type=TWI|rqst\_kit\_vrsn=1.0.3|tpsl\_clnt\_cd=T2658|clnt\_txn\_ref=TXN0001|clnt\_rqst\_meta={itc:NIC~TXN0001~122333~rt14154~8 mar 2014~Payment~forpayment}|rqst\_amnt=2.00|rqst\_crncy=INR|rtrn\_url=https://tpslvksrv6046/TWITest/Responsepayload.jsp|s2s\_url=https://tpslvksrv6046/LoginModule/Test.jsp|rqst\_rqst\_dtls=Test\_2.0\_0.0|clnt\_dt\_tm=11-03-2014|tpsl\_bank\_cd=9980|imps\_details=fbd440061a1b866333e4756e1137c37ca5b84569919b60d19f6e86f33efaee6511ea060747780f8e1b7e55e2b0e0e6 |
| Sample Response Format | txn\_status=0300|txn\_msg=success|txn\_err\_msg=|clnt\_txn\_ref=7421002|tpsl\_bank\_cd=470|tpsl\_txn\_id=71047298|txn\_amt=100.00|tpsl\_txn\_time=05-03-2014 23:13:12|BankTransactionID=12345| sha1-hash |
| Required Fields To Initiate Transaction | RequestType = “TWI”, MerchantCode = “T2514”, MerchantTxnRefNumber = “txn67465”, Amount =”10.00”,  CurrencyCode=”INR”, ClientMeta=“email:[demo@demo.com](mailto:demo@demo.com)”, RequestDetail=”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, TpslTransactionID=”” (optional), MobileNo=”1234567890”, CustomerName=”xyz”, Email=”[demo@demo.com](mailto:demo@demo.com)”, CardID=”1234”, MMID=”122151”,OTP=”154214” |

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**TIC request integration**

| Description | Merchant’s requirement is to allow End Customer to make payment through the IVR System. |
| --- | --- |
| Sample Request Format | rqst\_type=TIC|rqst\_kit\_vrsn=1.0.13|tpsl\_clnt\_cd=T2658|clnt\_txn\_ref=TXN0001|clnt\_rqst\_meta={itc:NIC~TXN0001~122333~rt14154~8 mar 2014~Payment~forpayment}|rqst\_amnt=1.00|rqst\_crncy=INR|rtrn\_url=https://tpslvksrv6046/TWCTest/Responsepayload.jsp|s2s\_url=https://tpslvksrv6046/LoginModule/Test.jsp|rqst\_rqst\_dtls=Test\_1.0\_0.0|clnt\_dt\_tm=11-03-2019|tpsl\_bank\_cd=1170|card\_details=fbd440061a1b866333e4756e1137c37ca5b84569919b60d19f6e86f33efaee6511ea06074778 |
| Sample Response Format | txn\_status=0398|txn\_msg=Initiated|txn\_err\_msg=|clnt\_txn\_ref=ING\_ TXN0001|tpsl\_bank\_cd=1170|tpsl\_txn\_id=1010461127|txn\_amt=1.00|clnt\_rqst\_meta=NA|tpsl\_txn\_time=29-01-2020 14:50:51|tpsl\_rfnd\_id=NA|bal\_amt=NA|auth\_type=OTP|rqst\_token=b9a9e25f-1958-441a-9490-f965867dfb29|hash=5ce046cd9eaf7e9c2d6 |
| Required Fields To Initiate Transaction | RequestType = “TIC”, MerchantCode = “T2514”, MerchantTxnRefNumber = “txn67465”, Amount =”10.00”,  CurrencyCode=”INR”, ClientMeta=“email:[demo@demo.com](mailto:demo@demo.com)”, RequestDetail=”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, TpslTransactionID=”” (optional), MobileNo=”1234567890”, CustomerName=”xyz”, Email=”[demo@demo.com](mailto:demo@demo.com)”, CustomerID=”c486”, accountNo=”45248545754”  CardName=”xyz”,CardNo=”1111111111111111”,CardCvv=”123”, CardExpMM=”01”,CardExpYYYY=”2022”, |

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**TIO request integration**

| Description | Merchant’s requirement is to allow End Customer to make payment through the IVR System. |
| --- | --- |
| Sample Request Format | rqst\_type=TIO|rqst\_kit\_vrsn=1.0.13|tpsl\_clnt\_cd= T2663|tpsl\_txn\_id= b9a9e25f-1958-441a-9490-f965867dfb29|otp=123123|hash=109ab1d64aab489af4f553532bcc71b7ca4dbd8c |
| Sample Response Format | txn\_status=0300|txn\_msg=success|txn\_err\_msg=|clnt\_txn\_ref= TXN0001|tpsl\_bank\_cd=1170|tpsl\_txn\_id=1010500760|txn\_amt=1.00|clnt\_rqst\_meta=NA|tpsl\_txn\_time=29-01-2020 15:45:58|tpsl\_rfnd\_id=NA|bal\_amt=NA|rqst\_token=ffd3405d-a71b-4d76-be5b-1ad73fd3cd8c|hash=b39f758b59fa13f30586f5e27099a184ef25e644 |
| Required Fields To Initiate Transaction | RequestType = “TIO”, MerchantCode = “T2514”, TpslTransactionID=”TXN4574254”, OTP=”5452” |

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**TWD (sale) request integration**

| Description | Merchant’s requirement is to allow End Customer to make payment by entering the card details where the card capturing page is provided by the Merchant. It's optional to set TxnType as SALE. |
| --- | --- |
| Sample Request Format | rqst\_type=TWD|rqst\_kit\_vrsn=1.0.9|tpsl\_clnt\_cd=T2490|clnt\_txn\_ref=TXN0002|clnt\_rqst\_meta={itc:email:myname@domain.com}{email:myname@domain.com}{mob:9820596973}{custname:xyz}|rqst\_amnt=1.00|rqst\_crncy=INR|rtrn\_url=https://tpslvksrv6046/MerchantIntegrationClient/Responsepayload.jsp |rqst\_rqst\_dtls=Test\_1.0\_0.0|clnt\_dt\_tm=12-01-2015|tpsl\_bank\_cd=9980|mob=9820596973|TxnType=SALE|card\_details=cfa568b4214ab00e919c0feec4195dc63ac75cdb838aaee296dcbfc |
| Sample Response Format | txn\_status=0300|txn\_msg=success|txn\_err\_msg=NA|clnt\_txn\_ref=TPSL1117741786|tpsl\_bank\_cd=9980|tpsl\_txn\_id=228583|txn\_amt=1.00|clnt\_rqst\_meta={itc:NIC~TXN0001~122333~rt14154~8 mar 2014~Payment~forpayment}|tpsl\_txn\_time=14-11-2014 09:42:39|tpsl\_rfnd\_id=NA|bal\_amt=NA|rqst\_token=a69a7a4e-b494-4eae-8827-4d95093745e8|hash=77f7303dc01b421615f66e60bf126f6d |
| Required Fields To Initiate Transaction | RequestType = “TWD”, MerchantCode = “T2514”, MerchantTxnRefNumber = “txn67465”, Amount =”10.00”,  CurrencyCode=”INR”, ClientMeta=“email:[demo@demo.com](mailto:demo@demo.com)”, RequestDetail=”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, TpslTransactionID=”” (optional), MobileNo=”1234567890”, CustomerName=”xyz”, Email=”[demo@demo.com](mailto:demo@demo.com)”,  CardName=”xyz”,CardNo=”1111111111111111”,CardCvv=”123”, CardExpMM=”01”,CardExpYYYY=”2022”, TransactionType=”SALE”,TransactionSubType=””. |

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**TWD (Preauth Reserve) request integration**

| Description | Merchant’s requirement is to allow End Customer to make payment using Preauth Mode. For this merchant will send card details to PG alongwith TxnType as PREAUTH and TxnSubType as RESERVE. |
| --- | --- |
| Sample Request Format | rqst\_type=TWD|rqst\_kit\_vrsn=1.0.9|tpsl\_clnt\_cd=T2490|clnt\_txn\_ref=TXN0002|clnt\_rqst\_meta={itc:email:myname@domain.com}{email:myname@domain.com}{mob:9820596973}{custname:xyz}|rqst\_amnt=1.00|rqst\_crncy=INR|rtrn\_url=https://tpslvksrv6046/MerchantIntegrationClient/Responsepayload.jsp |rqst\_rqst\_dtls=Test\_1.0\_0.0|clnt\_dt\_tm=12-01-2015|tpsl\_bank\_cd=9980|mob=9820596973|TxnType=PREAUTH|TxnSubType=RESERVE|card\_details=cfa5b2b681b5bc496871f2cfe5ced8|hash=7c4092f2ed3d874ce4ce8dc732054a |
| Sample Response Format | txn\_status=0200|txn\_msg=PREAUTH\_SUCCESS|txn\_err\_msg=NA|clnt\_txn\_ref=TPSL1117741786|tpsl\_bank\_cd=9980|tpsl\_txn\_id=228583|txn\_amt=1.00|clnt\_rqst\_meta={itc:NIC~TXN0001~122333~rt14154~8 mar 2014~Payment~forpayment}|tpsl\_txn\_time=14-11-2014 09:42:39|tpsl\_rfnd\_id=NA|bal\_amt=NA|rqst\_token=a69a7a4e-b494-4eae-8827-4d95093745e8|hash=77f7303dc01b421615f66e60bf1 |
| Required Fields To Initiate Transaction | RequestType = “TWD”, MerchantCode = “T2514”, MerchantTxnRefNumber = “txn67465”, Amount =”10.00”,  CurrencyCode=”INR”, ClientMeta=“email:[demo@demo.com](mailto:demo@demo.com)”, RequestDetail=”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, TpslTransactionID=”” (optional), MobileNo=”1234567890”, CustomerName=”xyz”, Email=”[demo@demo.com](mailto:demo@demo.com)”,  CardName=”xyz”,CardNo=”1111111111111111”,CardCvv=”123”, CardExpMM=”01”,CardExpYYYY=”2022”, TransactionType=”PREAUTH”,TransactionSubType=”RESERVE”. |

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**TWD (Preauth Consume) request integration**

| Description | To process Preauth Consume transaction, Merchant need to set TxnType as PREAUTH, TxnSubType as CONSUME and tpsl\_tran\_id of PREAUTH RESERVE transaction. Set amount field which need to debited from customer account. |
| --- | --- |
| Sample Request Format | rqst\_type=TWD|rqst\_kit\_vrsn=1.0.9|tpsl\_clnt\_cd=T2490|clnt\_txn\_ref=TXN0002|clnt\_rqst\_meta={itc:email:myname@domain.com}{email:myname@domain.com}{mob:9820596973}{custname:xyz}|rqst\_amnt=1.00|rqst\_crncy=INR|rtrn\_url=https://tpslvksrv6046/MerchantIntegrationClient/Responsepayload.jsp |rqst\_rqst\_dtls=Test\_1.0\_0.0|clnt\_dt\_tm=12-01-2015|tpsl\_bank\_cd=9980|tpsl\_txn\_id=229730|mob=9820596973|TxnType=PREAUTH|TxnSubType=CONSUME|card\_details=77dcbed|hash=936c995b650 |
| Sample Response Format | txn\_status=0300|txn\_msg=TRANSACTION SUCCESSFUL|txn\_err\_msg=NA|clnt\_txn\_ref= TPSL909190284|tpsl\_bank\_cd=9980|tpsl\_txn\_id=228583|txn\_amt=1.00|clnt\_rqst\_meta={itc:NIC~TXN0001~122333~rt14154~8 mar 2014~Payment~forpayment}|tpsl\_txn\_time=14-11-2014 09:42:39|tpsl\_rfnd\_id=NA|bal\_amt=NA|rqst\_token=a69a7a4e-b494-4eae-8827-4d95093745e8|hash=77f7303dc01b421615f66e60bf126f6d |
| Required Fields To Initiate Transaction | RequestType = “TWD”, MerchantCode = “T2514”, MerchantTxnRefNumber = “txn67465”, Amount =”10.00”,  CurrencyCode=”INR”, ClientMeta=“email:[demo@demo.com](mailto:demo@demo.com)”, RequestDetail=”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, TpslTransactionID=”4455725”, MobileNo=”1234567890”, CustomerName=”xyz”, Email=”[demo@demo.com](mailto:demo@demo.com)”,  CardName=”xyz”,CardNo=”1111111111111111”,CardCvv=”123”, CardExpMM=”01”,CardExpYYYY=”2022”, TransactionType=”PREAUTH”,TransactionSubType=”CONSUME”. |

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**TRS request integration**

| Description | If a merchant has opted out for SI transactions, he needs to send parameters as below.  Here request type TRS. TRS request type can be used in case of SI transactions with cards. For SI transactions with cards, merchants can send Card details with TRS request type. If the Card details cannot be sent by the merchant then the merchant has to send the request type as “T” with only mandate details and customer details. Card details need not be sent. In case, a merchant wants to transact a SI transaction using cards, he can not use TWC request type. |
| --- | --- |
| Sample Request Format | rqst\_type=TRS|rqst\_kit\_vrsn=1.0.11|tpsl\_clnt\_cd=T2658|clnt\_txn\_ref=TXN0001|clnt\_rqst\_meta={ mandateData{amount\_type:M~frequency:ADHO~account\_number:914010009305862~ ifsc\_code:KKBK0001360~expiry\_date:02-02-2018~amount:5000~identifier:12345~schedule\_date:25-03-2017}}|rqst\_amnt=2.00|rqst\_crncy=INR|rtrn\_url=https://tpslvksrv6046/TRSTest/Responsepayload.jsp|s2s\_url=https://tpslvksrv6046/LoginModule/Test.jsp|rqst\_rqst\_dtls=Test\_2.0\_0.0|clnt\_dt\_tm=11-03-2014|tpsl\_bank\_cd=9980|cust\_id=abc123xyz|card\_details=fbc847411a50d6383f951b27f61|hash=033cd6718532a848fa |
| Sample Response Format | txn\_status=0300|txn\_msg=success|txn\_err\_msg=|clnt\_txn\_ref=7421002|tpsl\_bank\_cd=9980|tpsl\_txn\_id=71047298|txn\_amt=100.00|tpsl\_txn\_time=05-03-2014 23:13:12|card\_ID=12345|Alias\_name=VISA\_DBT\_\*\*\*\*\_1234|BankTransactionId =1234567|rqst\_token=d3e37c1f-d521-405b-a654-edb5bc1473f6|mandate\_reg\_no=751786473|hash=67de08e331815f1bbc7ddfea73602e82c0613d1 |
| Required Fields To Initiate Transaction | RequestType = “TWD”, MerchantCode = “T2514”, MerchantTxnRefNumber = “txn67465”, Amount =”10.00”,  CurrencyCode=”INR”,ClientMeta=“email:[demo@demo.com](mailto:demo@demo.com)”, RequestDetail=”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, TpslTransactionID=””, MobileNo=”1234567890”, CustomerName=”xyz”, Email=”[demo@demo.com](mailto:demo@demo.com)”, CustomerID=”54532”  CardName=”xyz”,CardNo=”1111111111111111”,CardCvv=”123”, CardExpMM=”01”,CardExpYYYY=”2022”, |

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**TWU request integration**

| Description | Merchant’s requirement is to capture customers' VPA at his end to initiate UPI transactions. |
| --- | --- |
| Sample Request Format | rqst\_type=TWU|rqst\_kit\_vrsn=1.0.12|tpsl\_clnt\_cd=L3348|clnt\_txn\_ref=TXN00023661245|clnt\_rqst\_meta={itc:email:myname@domain.com}{email:myname@domain.com}{mob:9820596973}{custname:xyz}|rqst\_amnt=1.00|rqst\_crncy=INR|rtrn\_url=http://10.10.102.34:8084/PaymentGateway/MerchantIntegrationClient2019/Responsepayload.jsp|rqst\_rqst\_dtls=Test\_12.00\_0.0|clnt\_dt\_tm=13-02-2019|tpsl\_bank\_cd=2010|mob=9820596973|destinationVPA=test@testbank =f4075dce2d7eab95c036bb51907af722a832cf11 |
| Sample Response Format | txn\_status=0398|txn\_msg=Initiated|txn\_err\_msg=|clnt\_txn\_ref=TXN00  023661245|tpsl\_bank\_cd=2010|tpsl\_txn\_id=717778753|txn\_amt=1.00|clnt\_rqst\_meta={i  tc:email:myname@domain.com}{email:myname@domain.com}{mob:9820596973}{custname:xy  z}|tpsl\_txn\_time=14-02-2019 18:11:10|tpsl\_rfnd\_id=NA|bal\_amt=NA|rqst\_token=d3dc6  c09-6fd8-4815-a824-4172afb5cdcb|vpa\_name=masalmaharudra@okhdfcbank|hash=9f2b743e  33229b0234aa0d3ec10c813bbff2813c |
| Required Fields To Initiate Transaction | RequestType = “TWU”, MerchantCode = “T2514”, MerchantTxnRefNumber = “txn67465”, Amount =”10.00”,  CurrencyCode=”INR”,ClientMeta=“email:[demo@demo.com](mailto:demo@demo.com)”, RequestDetail=”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, TpslTransactionID=””, MobileNo=”1234567890”, CustomerName=”xyz”, Email=”[demo@demo.com](mailto:demo@demo.com)”, AccountNo=”5454324541”, DestinationVPA=”test@testbank” |

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**TIR request integration**

| Description | Merchant’s requirement is to Resend OTP in IVR flow |
| --- | --- |
| Sample Request Format | rqst\_type=TIR|rqst\_kit\_vrsn=1.0.13|tpsl\_clnt\_cd=T2490|tpsl\_txn\_id= AA756517-E034-4D39-B7B3-A5B0D8163EC5|cvv=|hash=109ab1d64aab489af4f553532bcc7 |
| Sample Response Format | txn\_status=0398|txn\_msg=Initiated|txn\_err\_msg=|clnt\_txn\_ref=TPSL20190524115414|tpsl\_bank\_cd=10850|tpsl\_txn\_id=806331953|txn\_amt=1.00|clnt\_rqst\_meta={mob:8355976108}{custname:VIkas}|tpsl\_txn\_time=24-05-2019 11:54:17|tpsl\_rfnd\_id=NA|bal\_amt=NA|auth\_type=OTP|rqst\_token=AA756517-E034-4D39-B7B3-A5B0D8163EC5|hash=da507217359a14392e61a74ceaf980e36788d13d |
| Required Fields To Initiate Transaction | RequestType = “TIR”, MerchantCode = “T2514”, TpslTransactionID=”454544”, CardCvv=”545” |

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**S-Verification request integration**

| Description | A scenario where Merchants did receive the only success status and still wish to again verify the payment status in real time before informing the end customer.  Note\*\*TPSL re-verifies the payment status from the end Customer’s bank in case of net banking and from acquiring Bank incase of credit /debit card. As per merchant requirement card scheme field can be enabled for merchant and card scheme can be sent response. Eg: Visa/Master. This will be an optional parameter. |
| --- | --- |
| Sample Request Format | Rqst\_type=S|rqst\_kit\_vrsn=1.0.1|tpsl\_clnt\_cd=T2551|clnt\_txn\_ref=TXN0001|clnt\_rqst\_meta={email:myname@domain.com}|  rqst\_amnt=12.00|rqst\_crncy=INR|rtrn\_url=https://tpslvksrv6046/LoginModule/Test.jsp|  s2s\_url=https://tpslvksrv6046/LoginModule/Test.jsp|rqst\_rqst\_dtls=Test\_120.0\_0.0|  clnt\_dt\_tm=14-03-2014|tpsl\_bank\_cd=470|hash=8cf71e0eb3f7273113b7e73e0db671d8 |
| Sample Response Format | txn\_status=0300|txn\_msg=SUCCESS|txn\_err\_msg=Normal SUCCESS Transaction|clnt\_txn\_ref=TPSL209177648|tpsl\_bank\_cd=9980|tpsl\_txn\_id=228587|txn\_amt=1.00|tpsl\_txn\_time=14-11-2014 10:03:25|tpsl\_rfnd\_id=NA|bal\_amt=NA|rqst\_token=a4e3e263-bea5-4f63-ac04-e7a6822e03cb |
| Required Fields To Initiate Transaction | RequestType = “S”, MerchantCode = “T2514”, MerchantTxnRefNumber = “txn67465”, Amount =”10.00”,  CurrencyCode=”INR”, ClientMeta=“email:[demo@demo.com](mailto:demo@demo.com)”, ReturnURL=”<https://www.demo.com>”, RequestDetail=”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, CustomerID=”c485”, MobileNo=”1234567890”, CardName=”xyz”, Email=”demo@demo.com”. |

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**O-Verification request integration**

| Description | In a scenario where final success or fail status is not received from TPSL to the Merchant then, Merchant can request status update though “O” request type. As per merchant requirement card scheme field can be enabled for merchant and card scheme can be sent response. Eg: Visa/Master. This will be an optional parameter. |
| --- | --- |
| Sample Request Format | Rqst\_type=O|rqst\_kit\_vrsn=1.0.1|tpsl\_clnt\_cd=T2551|clnt\_txn\_ref=TXN0001|clnt\_rqst\_meta={email:myname@domain.com}|  rqst\_amnt=12.00|rqst\_crncy=INR|rtrn\_url=https://tpslvksrv6046/LoginModule/Test.jsp|  s2s\_url=https://tpslvksrv6046/LoginModule/Test.jsp|rqst\_rqst\_dtls=Test\_120.0\_0.0|  clnt\_dt\_tm=14-03-2014|tpsl\_bank\_cd=470|hash=8cf71e0eb3f7273113b7e73e0db671d8 |
| Sample Response Format | txn\_status=0300|txn\_msg=SUCCESS|txn\_err\_msg=Success Test Bank Transaction.|clnt\_txn\_ref=TPSL939584727|tpsl\_bank\_cd=470|tpsl\_txn\_id=165291964|txn\_amt=2.00|tpsl\_txn\_time=08-07-2015 14:15:41|tpsl\_rfnd\_id=NA|bal\_amt=2.00|REFUND\_DETAILS=NA|rqst\_token=41f717f6-c4fc-4497-9d2d-3e5a6c7fe43c |
| Required Fields To Initiate Transaction | RequestType = “O”, MerchantCode = “T2514”, MerchantTxnRefNumber = “txn67465”, Amount =”10.00”,  CurrencyCode=”INR”, ClientMeta=“email:[demo@demo.com](mailto:demo@demo.com)”, ReturnURL=”<https://www.demo.com>”, RequestDetail=”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, CustomerID=”c485”, MobileNo=”1234567890”, CardName=”xyz”, Email=”demo@demo.com”. |

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**R-Initiation request integration**

| Description | Merchant’s requirement is to be able to mark refunds manually from the Admin module .However the request type “R” should be sent through API for TPSL to process the refund. |
| --- | --- |
| Sample Request Format | Rqst\_type=R|rqst\_kit\_vrsn=1.0.1|tpsl\_clnt\_cd=T2551|clnt\_txn\_ref=TXN0001|clnt\_rqst\_meta={email:myname@domain.com}|rqst\_amnt=12.00|rqst\_crncy=INR|rtrn\_url=https://tpslvksrv6046/LoginModule/Test.jsp|s2s\_url=https://tpslvksrv6046/LoginModule/Test.jsp|rqst\_rqst\_dtls=Test\_120.0\_0.0|clnt\_dt\_tm=14-03-2014|tpsl\_bank\_cd=470|hash=8cf71e0eb3f7273113b7e73e0db671d8 |
| Sample Response Format | txn\_status=0400|txn\_msg=Refund Initiated|txn\_err\_msg=|clnt\_txn\_ref=NA|tpsl\_bank\_cd=470|tpsl\_txn\_id=71047288|txn\_amt=100|tpsl\_txn\_time=05032014 124902687|tpsl\_rfnd\_id=543272|bal\_amt=0|rqst\_token= |
| Required Fields To Initiate Transaction | RequestType = “R”, MerchantCode = “T2514”, Amount =”10.00”, CurrencyCode=”INR”, ClientMeta= “email:[demo@demo.com](mailto:demo@demo.com)”, returnURL = ”<https://www.demo.com>”, RequestDetail =”FIRST\_10.0\_0.0”, TransactionDate=”25-01-2020”, BankCode=”470”, CustomerID=”c485”, TpslTransactionID=”15159879834”, MobileNo=”1234567890”, CardName=”xyz”, Email=”demo@demo.com”. |

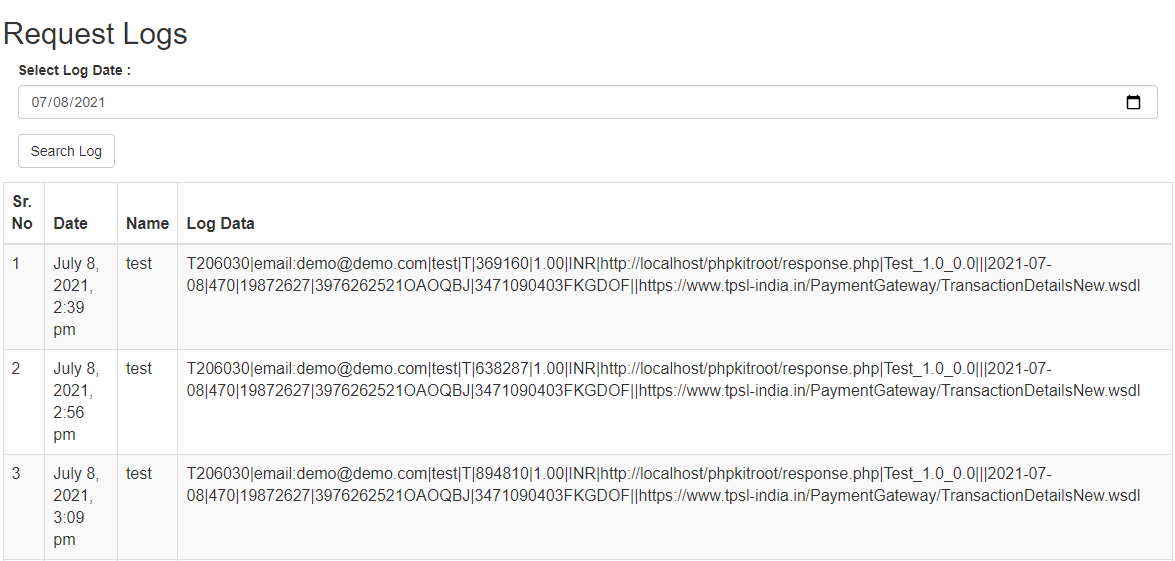
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**5. Request Logs**

**Location** - In kit, follow the **mentioned path** - “***logs/request/log\_xxxxxxx.log***” to access logs.

Another way of looking at logs is to run “***logs\_request.php***” file and you will find all the log details being displayed for the current date. There is also an **option for searching the logs date-wise**.

Please refer to the below mentioned image for clear understanding.



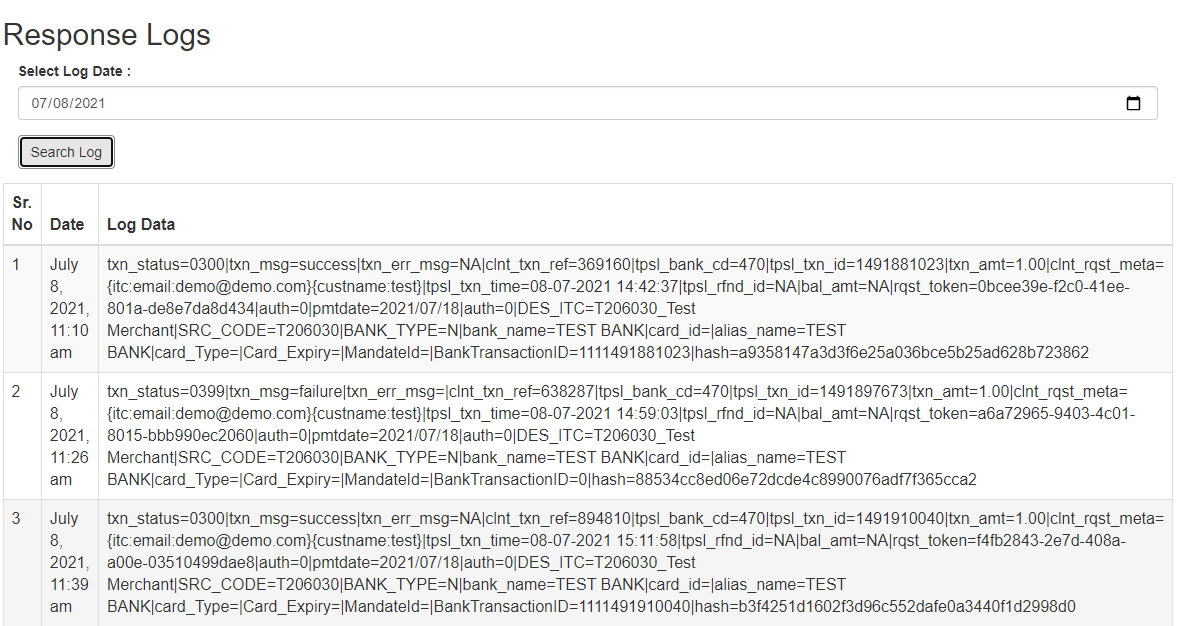
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**6. Response Logs**

**Location** - In kit, follow the **mentioned path** - “***logs/response/log\_xxxxxxx.log***” to access logs.

Another way of looking at logs is to run “***logs\_response.php***” file and you will find all the log details being displayed for the current date. There is also an **option for searching the logs date-wise**.

Please refer to the below mentioned image for clear understanding.



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**7. S2S Implementation**

**S2S URL Format** : http://<your-hostname>/phpkitroot/s2s?msg=

In URL, type “**http://<your-hostname>/phpkitroot/s2s?msg=**” and after this copy-paste response that you have received after successful transaction and press enter.

**Example :http://<your-hostname>/phpkitroot/s2s.php?msg=***txn\_status=0300|txn\_msg=success|txn\_err\_msg=NA|clnt\_txn\_ref=369160|tpsl\_bank\_cd=470|tpsl\_txn\_id=1491881023|txn\_amt=1.00|clnt\_rqst\_meta={itc:email:*[*demo@demo.com*](mailto:demo@demo.com)*}{custname:test}|tpsl\_txn\_time=08-07-2021%2014:42:37|tpsl\_rfnd\_id=NA|bal\_amt=NA|rqst\_token=0bcee39e-f2c0-41ee-801a-de8e7da8d434|auth=0|pmtdate=2021/07/18|auth=0|DES\_ITC=T206030\_Test%20Merchant|SRC\_CODE=T206030|BANK\_TYPE=N|bank\_name=TEST%20BANK|card\_id=|alias\_name=TEST%20BANK|card\_Type=|Card\_Expiry=|MandateId=|BankTransactionID=1111491881023|hash=a9358147a3d3f6e25a036bce5b25ad628b723862*

**Result** :

S2S verification is **TRUE**, if result is - ***clnt\_txn\_ref=xxxxxx|tpsl\_txn\_id=xxxxxxxxxxxx|1***

OR

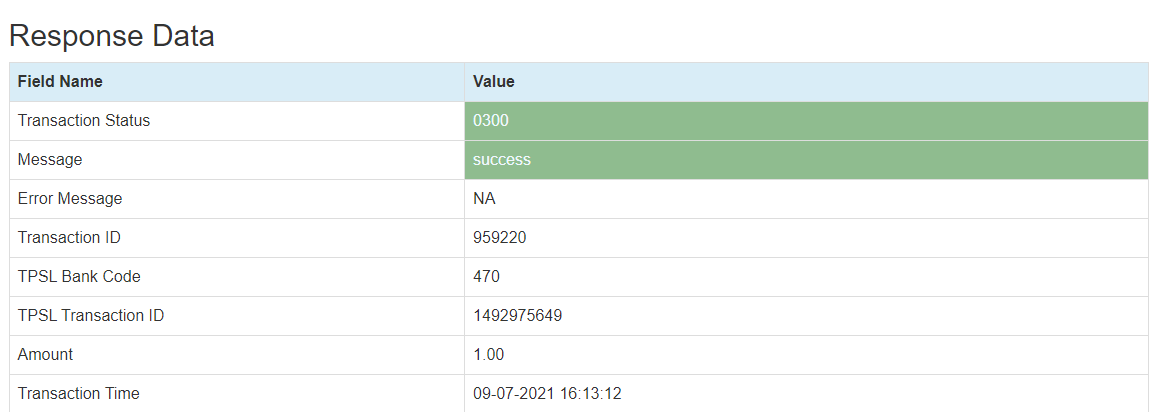
S2S verification is **FALSE**, if result is - ***clnt\_txn\_ref=xxxxxx|tpsl\_txn\_id=xxxxxxxxxxxx|0***

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**8. Response Data**

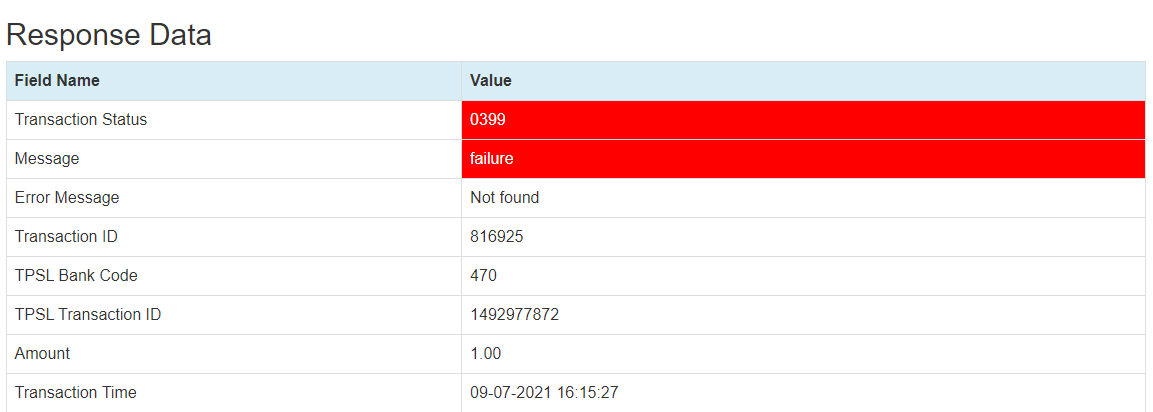
**Success Response** - It is marked with Green Color.

Example -



**Failure Response** - It is marked with Red Color.

Example -



**NOTE** - Response Data can be shown “All” or “Minimum” depending upon the setting in **parameters.json** file. Change the value of “**showAllResponse**” field to “**ON**” / “**OFF**” in parameters.json file to show all or minimum response data respectively.

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