

**POS
Integration
Manual**

SALES DATA CONTROLLER

(SRB - IT wing)

POS Integrated Software Technical Document

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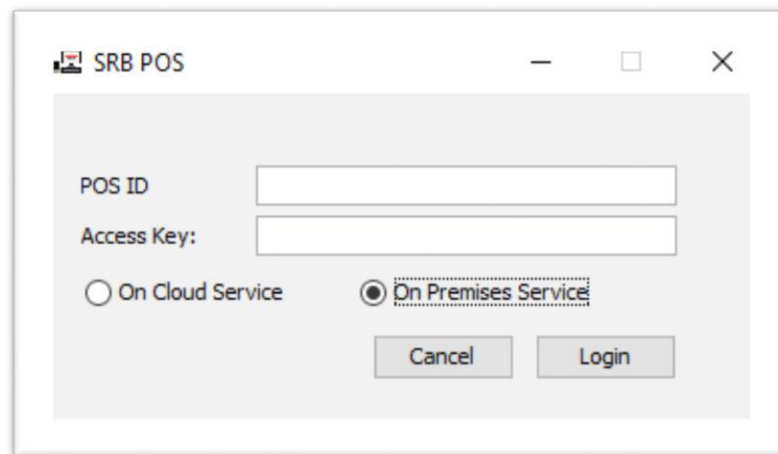
1. POS Integrated Software Pre-requisite

Following are the pre-requisites for the installation and integration of POS Integrated Software.

- Integrated person must have POS ID.
- Windows Based Operating System (Win 7 and above).
- Download the POS Integrated Software from the SRB website <https://pos.srb.gos.pk/posintegratedsoftware>
Note: It is recommended to select the drive partition other than C: Drive for POS Integrated Software installation.
- POS Integrated Software is required operating system's administrative preveliges for installation.
- Electronic Fiscal Device (EFD) or POS software must have internet connectivity.

2. POS Integrated Software for On-prem POS Station

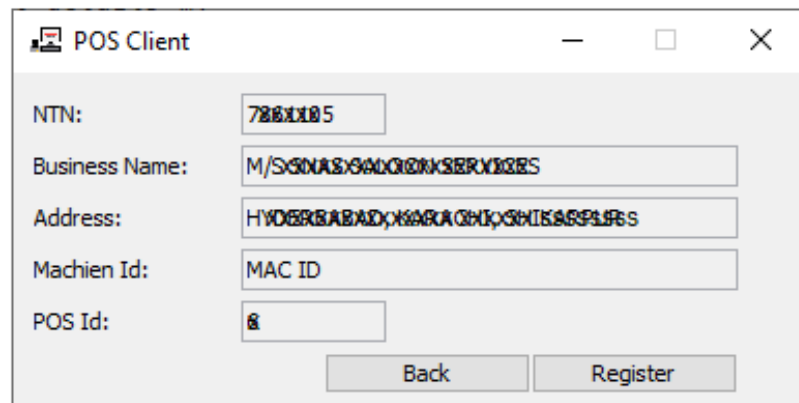
- Following are the steps for the installation.
 - Run the SRBPOS.exe as administrative preveliges as shown below:
 - Enter POS ID and Access Key, then click on Login button



The image shows a screenshot of the SRB POS login window. The window has a title bar with the text 'SRB POS' and standard Windows window controls (minimize, maximize, close). The main content area is light gray and contains the following elements:

- A text input field labeled 'POS ID'.
- A text input field labeled 'Access Key:'.
- Two radio buttons: 'On Cloud Service' (unselected) and 'On Premises Service' (selected).
- Two buttons at the bottom: 'Cancel' and 'Login'.

Successfully login and click the “Register” button to register the POS station.

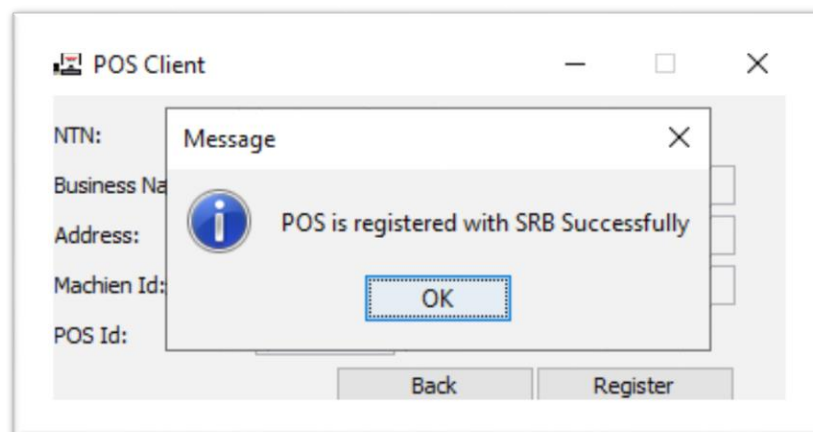


The screenshot shows a window titled "POS Client" with a registration form. The form contains the following fields and values:

NTN:	7861185
Business Name:	M/S SRI SAI GON SERVICES
Address:	HYDRABAD, KARACH, CHITSALES
Machien Id:	MAC ID
POS Id:	8

At the bottom of the form, there are two buttons: "Back" and "Register".

- POS station registered “successfully”



RESTful API

Service Name: http://localhost:8282/SalesInvoiceService

Method: POST

Parameters:

```
{
  "posId": 1,
  "name": "Pxxxx xxxxT",
  "ntn": "0999990",
  "invoiceDateTime": "2022-03-18 16:12:05",
  "invoiceType": 1,
  "invoiceID": "PZ001",
  "rateValue": 13,
  "saleValue": 5890,
  "taxAmount": 766,
  "consumerName": "N/A",
  "consumerNTN": "N/A",
  "address": "N/A",
  "tariffCode": "N/A",
  "extraInf": "N/A",
  "TransType": "Test", /* "Test" for Testing or "Live:" for Production */
}
```

Response from Server (Success):

```
{
  "resCode": "00",
  "srbInvoiceId": "B000920200413152027718"
}
```

Response from Server (Failure):

```
{
  "status": "01",
  "msg": "Invalid User & Password"
}
```

Response from Server (Failure):

```
{
  "status": "02",
  "msg": "Invalid Data"
}
```

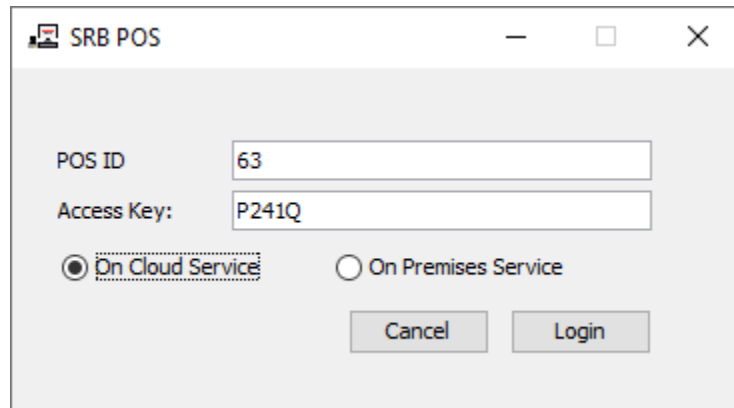
Note: There are two options for parameter **"TransType"**: 1- **"Test"** for sandboxing purpose, 2- **"Live"** for production purpose. Please use the options accordingly

POS Integrated Software Code for POS Station

```
<script type="text/javascript">
function testJSON(){
    debugger;
    var jsonText = {name:"Pxxxx xxxxT", ntn:"0999990", invoiceID:" PZ001",
invoiceDateTime:"2022-03-18 16:12:05",invoicetype:1, rateValue:"13", saleValue:"5890",
taxAmount:"766", consumerName:"N/A", consumerNTN:"N/A", address:"N/A",
tariffCode:"N/A", extraInf:"N/A"};
    dbParam = JSON.stringify(jsonText);
    xmlhttp = new XMLHttpRequest();
    xmlhttp.onreadystatechange = function() {
        if (this.readyState == 4 ) {
            srbRes = JSON.parse(this.responseText);
            if(srbRes.resCode=='00'){
                //your code on success
                alert("This is Invoice: "+srbRes.srbInvoceld);
            }else{
                alert("Error: " + srbRes.err );
            }
        }
    }
    xmlhttp.open("POST", "http://localhost:8282/SalesInvoiceService", true);
    xmlhttp.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
    xmlhttp.send("" + dbParam);
}
</script>
```

3. POS Integrated Software for Cloud POS Station

- Followings are the steps for the installation of the POS Integrated Software
 - Run the SRBPOS.exe as administrator as shown in below:
 - Enter POS ID and Access Key, then click on Login button.



SRB POS

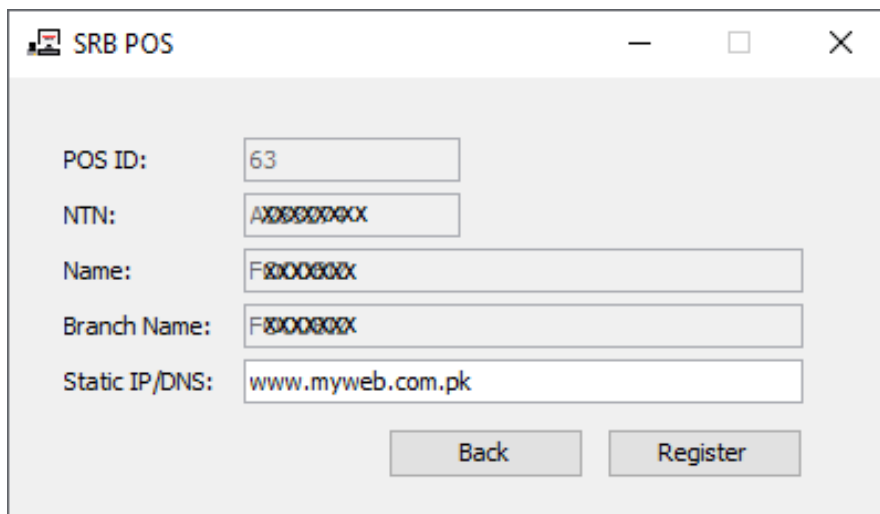
POS ID: 63

Access Key: P241Q

On Cloud Service On Premises Service

Cancel Login

Successfully login and click the “Register” button to register the POS station.



SRB POS

POS ID: 63

NTN: XXXXXXXXXXXX

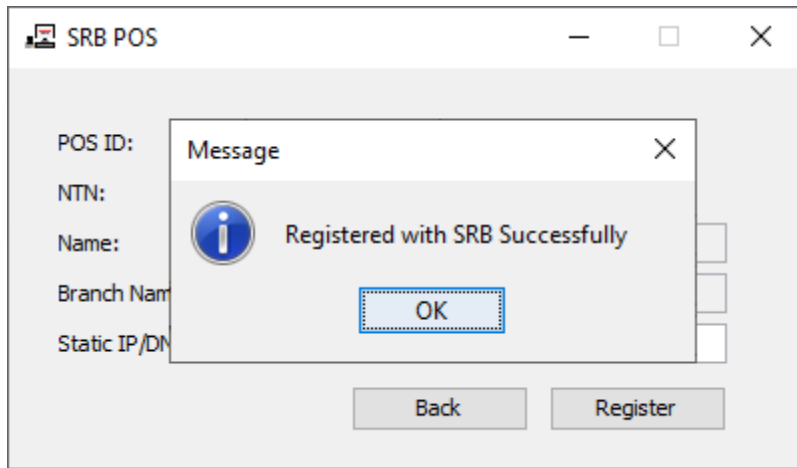
Name: XXXXXXXXXXXX

Branch Name: XXXXXXXXXXXX

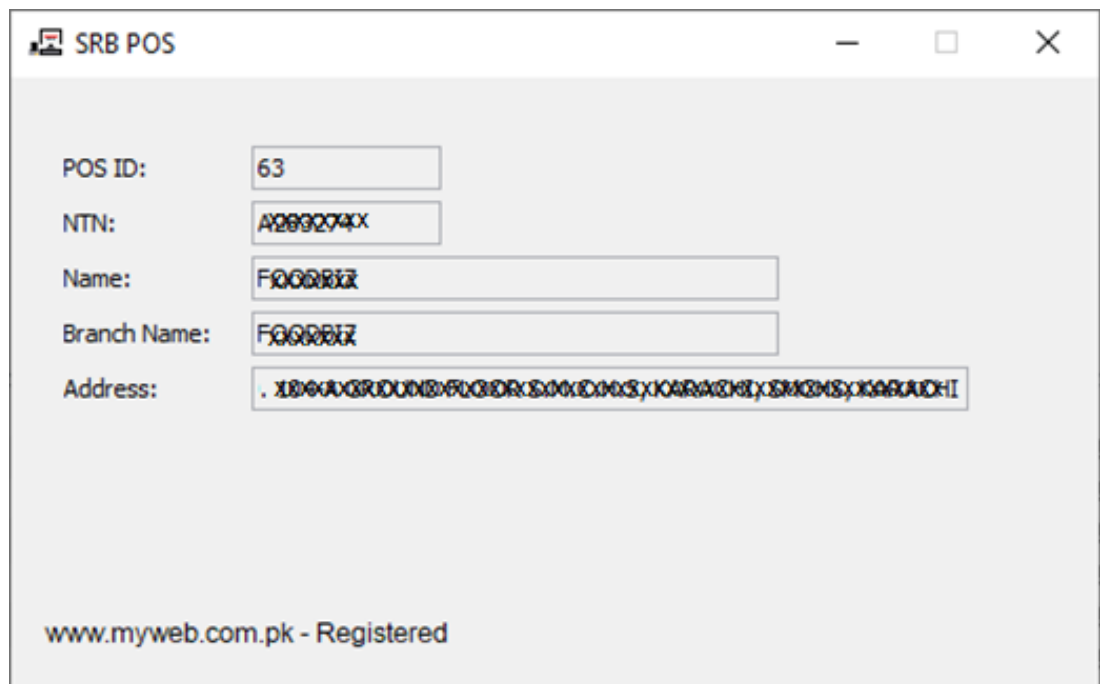
Static IP/DNS: www.myweb.com.pk

Back Register

- POS station registered “successfully”



- POS station successfully registered with given “Static IP/DNS”.



RESTful API

Sandbox URL:

Service Name: http://apps.srb.gos.pk/PoSService/CloudSalesInvoiceService

Production URL:

Service Name: http://POS.srb.gos.pk/PoSService/CloudSalesInvoiceService

Method: POST

Parameters:

```
{
  "posId": 1,
  "name": "xxxxxxx xxxx",
  "ntn": "0999990",
  "invoiceDateTime": "2022-03-18 16:12:05",
  "invoiceType": 1,
  "invoiceID": "PZ001",
  "rateValue": 13,
  "saleValue": 5890,
  "taxAmount": 766,
  "consumerName": "N/A",
  "consumerNTN": "N/A",
  "address": "N/A",
  "tariffCode": "N/A",
  "extraInf": "N/A",
  "pos_user": "fxxxxxa",
  "pos_pass": "12345"
}
```

Response from Server (Success):

```
{
  "resCode": "00",
  "srbInvoiceId": "B000920200413152027718"
}
```

Response from Server (Failure):

```
{
  "status": "01",
  "msg": "Invalid User & Password"
}
```

Response from Server (Failure):

```
{
```

```

    "status": "02",
    "msg": "Invalid Data"
}

```

POS Integration Code for Cloud POS Station

```

<script type="text/javascript">
function testJSON(){
    debugger;
    var jsonText = {name:"Pxxxxxx xxxT", ntn:"0999990", invoiceID:" PZ001",
invoiceDateTime:"2022-03-18 16:12:05",invoiceType:1, rateValue:"13", saleValue:"5890",
taxAmount:"766", consumerName:"N/A", consumerNTN:"N/A", address:"N/A",
tariffCode:"N/A", extraInf:"N/A", pos_user:"fxxxxxxa", pos_pass:" 12345"};
    dbParam = JSON.stringify(jsonText);
    xmlhttp = new XMLHttpRequest();
    xmlhttp.onreadystatechange = function() {
        if (this.readyState == 4 ) {
            srbRes = JSON.parse(this.responseText);
            if(srbRes.resCode=='00'){
                //your code on success
                alert("This is Invoice: "+srbRes.srbInvocId);
            }else{
                alert("Error: " + srbRes.err );
            }
        }
    }

    /* URL for SandBox */
    xmlhttp.open("POST", "http://apps.srb.gos.pk/PoSService/CloudSalesInvoiceService",
true);

    /* URL for Production */
    /* xmlhttp.open("POST", "http://POS.srb.gos.pk/PoSService/CloudSalesInvoiceService",
true); */

    xmlhttp.setRequestHeader("Content-type", "application/x-www-form-urlencoded");
    xmlhttp.send("" + dbParam);
}
</script>

```