**Phase I OpenERP and CRMS Integration for NLCO Car Rental**

**Prepared for: AFRAS**

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# Document Versioning Details

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| **Sr. No.** | **Version Name** | **Last Modified Date** | **Changed By** | **Reviewed By** | **Remarks** |
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# Overview

This Document has been prepared by Drishti Tech for Phase I of OpenERP and CRMS integrated for NLCO Car Rental Company. Document will illustrate the developments done by Drishti Tech for integration of OpenERP with CRMS system.

**List of Modules in the Phase I Integration**

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Module Details** | **Master** |
| 1. | Currency | OpenERP |
| 2. | Country | OpenERP |
| 3. | Region | OpenERP |
| 4. | City | OpenERP |
| 5. | Area | OpenERP |
| 6. | Branch | OpenERP |
| 7. | Car Type | OpenERP |
| 8. | Model | OpenERP |
| 9. | Manufacturer | OpenERP |
| 10. | Car | Initially Created in OpenERP and later changes made in CRMS will be updated in OpenERP |
| 11. | Customer | CRMS |
| 12. | Rental Payment | CRMS |

# OpenERP List Request Details

OpenERP will be providing only that list of data to CRMS for which CRMS ID exists in OpenERP, when CRMS system sends a List Request to OpenERP. Modules for which OpenERP is the master, it would be OpenERP’s responsibility to create data in CRMS when a new record is created in OpenERP for those modules.

In order to get data from OpenERP, following is the information which CRMS will have to use in order to send List Request to OpenERP.

## Model Details

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Module** | **Model Name** | **Request Type** |
| 1. | Currency | res.currency | ListRequest |
| 2. | Country | res.country | ListRequest |
| 3. | Region | res.country.state | ListRequest |
| 4. | City | res.state.city | ListRequest |
| 5. | Area | res.city.area | ListRequest |
| 6. | Branch | sale.shop | ListRequest |
| 7. | Car Type | fleet.type | ListRequest |
| 8. | Model | fleet.vehicle.model | ListRequest |
| 9. | Manufacturer | fleet.vehicle.model.brand | ListRequest |
| 10. | Car | fleet.vehicle | ListRequest |

Note: The above mentioned are the modules for which OpenERP will be the master. For the modules mentioned above new record creation request will go from OpenERP to CRMS

## Login Details

**URL:** http://122.169.117.128:6118/xmlrpc/object

**Username** = ‘crms’

**Password** = ‘crms123’

**DB Name** = ‘NLCO\_20NOV’

## Sample Code in python for List Request

import xmlrpclib

user = 'crms'

pwd = 'crms123'

dbname = 'NLCO\_20NOV'

model = 'res.currency' # Change model as per your request

sock = xmlrpclib.ServerProxy('http:// 122.169.117.128:6118/xmlrpc/common')

uid = sock.login(dbname ,user ,pwd)

sock = xmlrpclib.ServerProxy('http://122.169.117.128:6118/xmlrpc/object')

# with date and time filter

results = sock.execute(dbname, uid, pwd, model, 'ListRequest', date\_from=’2013-11-21 20:10:56’, date\_to=’2013-11-25 21:25:40’ )

# without date filter

results = sock.execute(dbname, uid, pwd, model, 'ListRequest')

print results

# OpenERP XML Response for List Request from CRMS for all Modules

This section will provide details on the format in which OpenERP will be sending information to CRMS List Request.

## Currency Response XML for List Request

<ResponseGroup xmlns:xsi="<http://www.w3.org/2001/XMLSchema-instance>" xmlns:xsd="<http://www.w3.org/2001/XMLSchema>">

    <ERPResponse>

<ResponseData DataCollectionDate="2013-11-21" ResponseService="**CurrencyListResponse**">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

     <RecordCount>2</RecordCount>

     <CurrencyList>

         <Currency>  
                                       <ERPCurrencyID>119</ERPCurrencyID>  
                                       <CRMSCurrencyID>343</CRMSCurrencyID>  
                                       <CurrencyName>ZRZ</CurrencyName>  
                                       <CurrencyCode>ZRZ</CurrencyCode>  
                               </Currency>  
                               <Currency>  
                                       <ERPCurrencyID>128</ERPCurrencyID>  
                                       <CRMSCurrencyID>344</CRMSCurrencyID>  
                                       <CurrencyName>Zimbabwe Dollar</CurrencyName>  
                                       <CurrencyCode>ZWD</CurrencyCode>  
                               </Currency>

   </CurrencyList>

        </ReponseData>

    </ERPResponse>

</ResponseGroup>

## Country Response XML for List Request

<ResponseGroup xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<ERPResponse>

<ResponseData DataCollectionDate="2012-11-21" ResponseService="**CountryListResponse**">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<RecordCount>2</RecordCount>

<CountryList>

<Country>  
                                      <ERPCountryID>251</ERPCountryID>  
                                        <CRMSCountryID>521</CRMSCountryID>  
                                    <CountryName>Zambia</CountryName>  
                                        <CountryCode>ZM</CountryCode>  
                                        <CallingCode>260</CallingCode>  
                                        <ERPCurrencyID>129</ERPCurrencyID>  
                                        <CRMSCurrencyID>342</CRMSCurrencyID>  
                                </Country>  
                                <Country>  
                                        <ERPCountryID>253</ERPCountryID>  
                                        <CRMSCountryID>522</CRMSCountryID>  
                                        <CountryName>Zimbabwe</CountryName>  
                                        <CountryCode>ZW</CountryCode>  
                                        <CallingCode>263</CallingCode>  
                                        <ERPCurrencyID>128</ERPCurrencyID>  
                                        <CRMSCurrencyID>344</CRMSCurrencyID>  
                                </Country>

</CountryList>

</ResponseData>

</ERPResponse>

</ResponseGroup>

## Region Response XML for List Request

<ResponseGroup xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<ERPResponse>

<ResponseData DataCollectionDate="2012-11-21" ResponseService="**RegionListResponse**">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<RecordCount>2</RecordCount>

<RegionList>

<Region>  
                                   <ERPRegionID>57</ERPRegionID>  
                                   <CRMSRegionID>75</CRMSRegionID>  
                                   <RegionName>South</RegionName>  
                                  <RegionCode>004</RegionCode>  
                                   <ERPCountryID>194</ERPCountryID>  
                                   <ERPCountryID>471</ERPCountryID>  
                </Region>  
                <Region>  
                                    <ERPRegionID>58</ERPRegionID>  
                                    <CRMSRegionID>76</CRMSRegionID>  
                                    <RegionName>Centeral</RegionName>  
                                    <RegionCode>005</RegionCode>  
                                    <ERPCountryID>194</ERPCountryID>  
                                    <ERPCountryID>471</ERPCountryID>  
                </Region>

</RegionList>

</ResponseData>

</ERPResponse>

</ResponseGroup>

## City Response XML for List Request

<ResponseGroup xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<ERPResponse>

<ResponseData DataCollectionDate="2013-11-21" ResponseService="**CityListResponse**">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<RecordCount>1</RecordCount>

<CityList>

<City>

<ERPCityID>1</ERPCityID>

<CRMSCityID>29</CRMSCityID>

<CityNameInEng>Riyadh</CityNameInEng>

<CityNameInAra>الرياض</CityNameInAra>

<ERPRegionID>58</ERPRegionID>

<CRMSRegionID>76</CRMSRegionID>

<ERPCountryID>194</ERPCountryID>

<ERPCountryID>471</ERPCountryID>

</City>

</CityList>

</ResponseData>

</ERPResponse>

</ResponseGroup>

## Area Response XML for List Request

<ResponseGroup xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<ERPResponse>

<ResponseData DataCollectionDate="2012-06-21" ResponseService="**AreaListResponse**">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<RecordCount>2</RecordCount>

<AreaList>

<Area>

<ERPAreaID>18</ERPAreaID>

<CRMSAreaID>34</CRMSAreaID>

<AreaNameInEng>South</AreaNameInEng>

<AreaNameInAra>جنوب</AreaNameInAra>

<ERPCityID>1</ERPCityID>

<CRMSCityID>29</CRMSCityID>

<ERPRegionID>58</ERPRegionID>

<CRMSRegionID>76</CRMSRegionID>

<ERPCountryID>194</ERPCountryID>

<ERPCountryID>471</ERPCountryID>

</Area>

<Area>

<ERPAreaID>19</ERPAreaID>

<CRMSAreaID>35</CRMSAreaID>

<AreaNameInEng>Centeral</AreaNameInEng>

<AreaNameInAra>المركزى</AreaNameInAra>

<ERPCityID>1</ERPCityID>

<CRMSCityID>29</CRMSCityID>

<ERPRegionID>58</ERPRegionID>

<CRMSRegionID>76</CRMSRegionID>

<ERPCountryID>194</ERPCountryID>

<ERPCountryID>471</ERPCountryID>

</Area>

</AreaList>

</ResponseData>

</ERPResponse>

</ResponseGroup>

## Branch Response XML for List Request

<ResponseGroup xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<ERPResponse>

<ResponseData DataCollectionDate="2012-11-21" ResponseService="**BranchListResponse**">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<RecordCount>2</RecordCount>

<BranchList>

<Branch>

<ERPBranchID>24</ERPBranchID>

<CRMSBranchID>41</CRMSBranchID>

<BranchNameInEng>Al-Batha</BranchNameInEng>

<BranchNameInAra>البطحاء</BranchNameInAra>

<Location>False</Location>

<Email>test@mail.com</Email>

<PhoneNumber>239857</PhoneNumber>

<ZipCode>2539871</ZipCode>

<AddressLine1>address1</AddressLine1>

<AddressLine2>address2</AddressLine2>

<ContactPerson>NLCO Car Rental Company</ContactPerson>

<ERPAreaID>19</ERPAreaID>

<CRMSAreaID>35</CRMSAreaID>

<ERPCityID>1</ERPCityID>

<CRMSCityID>29</CRMSCityID>

<ERPRegionID>58</ERPRegionID>

<CRMSRegionID>76</CRMSRegionID>

<ERPCountryID>194</ERPCountryID>

<ERPCountryID>471</ERPCountryID>

</Branch>

<Branch>

<ERPBranchID>25</ERPBranchID>

<CRMSBranchID>42</CRMSBranchID>

<BranchNameInEng>Al-Shimisy</BranchNameInEng>

<BranchNameInAra>الشامسي</BranchNameInAra>

<Location>False</Location>

<Email>test@mail.com</Email>

<PhoneNumber>1111111111</PhoneNumber>

<ZipCode>208022</ZipCode>

<AddressLine1>Address Line1</AddressLine1>

<AddressLine2>Address Line2</AddressLine2>

<ContactPerson>NLCO Car Rental Company</ContactPerson>

<ERPAreaID>19</ERPAreaID>

<CRMSAreaID>35</CRMSAreaID>

<ERPCityID>1</ERPCityID>

<CRMSCityID>29</CRMSCityID>

<ERPRegionID>58</ERPRegionID>

<CRMSRegionID>76</CRMSRegionID>

<ERPCountryID>194</ERPCountryID>

<ERPCountryID>471</ERPCountryID>

</Branch>

</BranchList>

</ResponseData>

</ERPResponse>

</ResponseGroup>

## Car Type Response XML for List Request

<ResponseGroup xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<ERPResponse>

<ResponseData DataCollectionDate="2012-06-21" ResponseService="**CarTypeListResponse**">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<RecordCount>2</RecordCount>

<CarTypeList>

<CarType>

<ERPCarTypeID>12</ERPCarTypeID>

<CRMSCarTypeID>17</CRMSCarTypeID>

<CarTypeNameInEng>Sports Utility</CarTypeNameInEng>

<CarTypeNameInAra>المرافق الرياضية</CarTypeNameInAra>

</CarType>

<CarType>

<ERPCarTypeID >13</ERPCarTypeID>

<CRMSCarTypeID>2</CRMSCarTypeID>

<CarTypeNameInEng>Sub Compact</CarTypeNameInEng>

<CarTypeNameInAra>دون ضغط</CarTypeNameInAra>

</CarType>

</CarTypeList>

</ResponseData>

</ERPResponse>

</ResponseGroup>

## Model Response XML for List Request

<ResponseGroup xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<ERPResponse>

<ResponseData DataCollectionDate="2012-06-21" ResponseService="**ModelListResponse**">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<RecordCount>2</RecordCount>

<ModelList>

<Model>

<ERPModelID>359</ERPModelID>

<CRMSModelID>11</CRMSModelID>

<ModelNameInEng>Toyota / Yaris</ModelNameInEng>

<ModelNameInAra>Yaris</ModelNameInAra>

<Variant>no-variant</Variant>

<EngineCapacity>3500</EngineCapacity>

<Transmission>Automatic</Transmission>

<NumberOfPassengers>5</NumberOfPassengers>

<NumberOfLuggages>3</NumberOfLuggages>

<NumberOfDoors>4</NumberOfDoors>

<Fuel>Petrol</Fuel>

<ERPCarTypeID>1</ERPCarTypeID>

<CRMSCarTypeID>1</CRMSCarTypeID>

<ERPManufacturerID>61</ERPManufacturerID>

<CRMSManufacturerID>6</CRMSManufacturerID>

</Model>

<Model>

<ERPModelID>366</ERPModelID>

<CRMSModelID>17</CRMSModelID>

<ModelNameInEng>Volkswagen / Passat</ModelNameInEng>

<ModelNameInAra>Passat</ModelNameInAra>

<Variant>XLS</Variant>

<EngineCapacity>5000</EngineCapacity>

<Transmission>Automatic</Transmission>

<NumberOfPassengers>5</NumberOfPassengers>

<NumberOfLuggages>3</NumberOfLuggages>

<NumberOfDoors>4</NumberOfDoors>

<Fuel>Petrol</Fuel>

<ERPCarTypeID>2</ERPCarTypeID>

<CRMSCarTypeID>3</CRMSCarTypeID>

<ERPManufacturerID>63</ERPManufacturerID>

<CRMSManufacturerID>16</CRMSManufacturerID>

</Model>

<ModelList>

</ResponseData>

</ERPResponse>

</ResponseGroup>

## Manufacturer Response XML for List Request

<ResponseGroup xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<ERPResponse>

<ResponseData DataCollectionDate="2012-06-21" ResponseService="**ManufacturerListResponse**">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<RecordCount>2</RecordCount>

<ManufacturerList>

<Manufacturer>

<ERPManufacturerID>63</ERPManufacturerID>

<CRMSManufacturerID>16</CRMSManufacturerID>

<ManufacturerNameInEng>Volkswagen</ManufacturerNameInEng>

<ManufacturerNameInAra>فوكس واجن</ManufacturerNameInAra>

<RoutineServiceMileage>1000</RoutineServiceMileage>

</Manufacturer>

<Manufacturer>

<ERPManufacturerID>64</ERPManufacturerID>

<CRMSManufacturerID>36</CRMSManufacturerID>

<ManufacturerNameInEng>Volvo</ManufacturerNameInEng>

<ManufacturerNameInAra>فولفو</ManufacturerNameInAra>

<RoutineServiceMileage>1000</RoutineServiceMileage>

</Manufacturer>

</ManufacturerList>

</ResponseData>

</ERPResponse>

</ResponseGroup>

## Car Response XML for List Request

<ResponseGroup xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<ERPResponse>

<ResponseData DataCollectionDate="2013-11-25" ResponseService="**CarListResponse**">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<RecordCount>1</RecordCount>

<CarList>

<Car>

<ERPCarID>11</ERPCarID>

<CRMSCarID>1</CRMSCarID>

<ERPModelID>321</ERPModelID>

<CRMSModelID>34</CRMSModelID>

<LicenseInEng>1234ABC </LicenseInEng>

<LicenseInAra>1243ABC</LicenseInAra>

<AssignedFor>Retail</AssignedFor>

<VIN>12345678</VIN>

<EngineNumber>789456</EngineNumber>

<CarValue>750000.0</CarValue>

<ColorInEng>Black</ColorInEng>

<ColorInAra>Red</ColorInAra>

<AcquisitionDate>2013-10-10</AcquisitionDate>

<MVPIExpiryDate>2013-12-10</MVPIExpiryDate>

<Odometer>12000.0</Odometer>

<Barcode>11111</Barcode>

<ModelYear>0</ModelYear>

<CarOwner>NLCO Car Rental Company</CarOwner>

<ERPBranchID>15</ERPBranchID>

<CRMSBranchID>32</CRMSBranchID>

</Car>

</CarList>

</ResponseData>

</ERPResponse>

</ResponseGroup

## Rental Payment Response XML for List Request

<?xml version="1.0" ?>

<ResponseGroup xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<ERPResponse>

<ResponseData DataCollectionDate="2013-12-11" ResponseService="RentalPaymentListResponse">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<RecordCount>2</RecordCount>

<RentalPaymentList>

<RentalPayment>

<ERPRentalPaymentID>1</ERPRentalPaymentID>

<CRMSRentalPaymentID>1</CRMSRentalPaymentID>

<ERPCustomerID>80</ERPCustomerID>

<ERPCarID>2424</ERPCarID>

<ERPCarTypeID>2</ERPCarTypeID>

<ERPModelID>322</ERPModelID>

<CRMSBookingID>3</CRMSBookingID>

<RentalFromDate>2013-11-21 10:34:56</RentalFromDate>

<RentalToDate>2013-11-26 15:10:19</RentalToDate>

<NoOfDays>4</NoOfDays>

<ERPPickupBranchID>24</ERPPickupBranchID>

<ERPDropBranchID>25</ERPDropBranchID>

<ERPBookingBranchID>24</ERPBookingBranchID>

<AmountPaidByCustomer>600.0</AmountPaidByCustomer>

<AmountReceivedDate>2013-11-26 15:10:19</AmountReceivedDate>

<RentalAmount>150.0</RentalAmount>

<HoldingAmount>50.0</HoldingAmount>

<Advance>50.0</Advance>

<BalanceDue>0.0</BalanceDue>

<PaymentMode>Cash</PaymentMode>

</RentalPayment>

<RentalPayment>

<ERPRentalPaymentID>2</ERPRentalPaymentID>

<CRMSRentalPaymentID>2</CRMSRentalPaymentID>

<ERPCustomerID>80</ERPCustomerID>

<ERPCarID>2424</ERPCarID>

<ERPCarTypeID>False</ERPCarTypeID>

<ERPModelID>322</ERPModelID>

<CRMSBookingID>3</CRMSBookingID>

<RentalFromDate>2013-11-21 10:34:56</RentalFromDate>

<RentalToDate>2013-11-26 15:10:19</RentalToDate>

<NoOfDays>4</NoOfDays>

<ERPPickupBranchID>24</ERPPickupBranchID>

<ERPDropBranchID>25</ERPDropBranchID>

<ERPBookingBranchID>24</ERPBookingBranchID>

<AmountPaidByCustomer>300.0</AmountPaidByCustomer>

<AmountReceivedDate>2013-12-06 15:10:19</AmountReceivedDate>

<RentalAmount>50.0</RentalAmount>

<HoldingAmount>0.0</HoldingAmount>

<Advance>150.0</Advance>

<BalanceDue>0.0</BalanceDue>

<PaymentMode>Cash</PaymentMode>

</RentalPayment>

</RentalPaymentList>

</ResponseData>

</ERPResponse>

</ResponseGroup>

## Customer Response XML for List Request

<?xml version="1.0" ?>

<ResponseGroup xmlns:xsd=<http://www.w3.org/2001/XMLSchema> xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<ERPResponse>

<ResponseData DataCollectionDate="2013-12-11" ResponseService="CustomerListResponse">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<RecordCount>2</RecordCount>

<CustomerList>

<Customer>

<ERPCustomerID>114</ERPCustomerID>

<CRMSCustomerID>21541</CRMSCustomerID>

<BusinessType>Retail</BusinessType>

<RetailType>Saudi National</RetailType>

<IDNumber>213213123</IDNumber>

<EmploymentType>False</EmploymentType>

<CompanyName>NLCO Car Rental Company</CompanyName>

<Designation> </Designation>

<EmpCode>123</EmpCode>

<PreferredLanguage>2</PreferredLanguage>

<CustomerTitle>Mr</CustomerTitle>

<NameInEng>asd</NameInEng>

<NameInAra>adasdad</NameInAra>

<DOB>1992-12-02</DOB>

<Address1>csdfd</Address1>

<Address2>False</Address2>

<City>6</City>

<Zip>False</Zip>

<ERPCountryID>browse\_record(res.country, 1)</ERPCountryID>

<Mobile>32424324</Mobile>

<AltPhone>1234</AltPhone>

<WorkNumber>1234</WorkNumber>

<LoyaltyCardID>0</LoyaltyCardID>

<Fax>False</Fax>

<CardExpiryDate>2013-12-15</CardExpiryDate>

<Email>prithivi4222@gmail.com</Email>

<SponsorName>False</SponsorName>

<SponsorID>0</SponsorID>

<Nationality>Indian</Nationality>

</Customer>

<Customer>

<ERPCustomerID>106</ERPCustomerID>

<CRMSCustomerID>21561</CRMSCustomerID>

<BusinessType>Retail</BusinessType>

<RetailType>Visitor</RetailType>

<IDNumber>asdasd</IDNumber>

<EmploymentType>False</EmploymentType>

<CompanyName>NLCO Car Rental Company</CompanyName>

<Designation> </Designation>

<EmpCode>False</EmpCode>

<PreferredLanguage>2</PreferredLanguage>

<CustomerTitle>Mr</CustomerTitle>

<NameInEng>df</NameInEng>

<NameInAra>df</NameInAra>

<DOB>1989-01-17</DOB>

<Address1>add</Address1>

<Address2>add</Address2>

<City>1</City>

<Zip>False</Zip>

<ERPCountryID>browse\_record(res.country, 2)</ERPCountryID>

<Mobile>1221545454</Mobile>

<AltPhone>1234</AltPhone>

<WorkNumber>1234</WorkNumber>

<LoyaltyCardID>0</LoyaltyCardID>

<Fax>False</Fax>

<CardExpiryDate>2013-12-31</CardExpiryDate>

<Email>fgffd@ffgfg.fgfg</Email>

<SponsorName>False</SponsorName>

<SponsorID>0</SponsorID>

<Nationality>Indian</Nationality>

</Customer>

</CustomerList>

</ResponseData>

</ERPResponse>

</ResponseGroup>

# OpenERP Create Request & Response Details

For the modules mentioned below CRMS will be considered as the master. It would be the responsibility of CRMS to update OpenERP with new records and also the changes in the already existed records of CRMS. When CRMS sends Create Request to OpenERP, OpenERP will create the records and return the OpenERP ID for the created records along with the success or failure message.

In order to create data in OpenERP, following is the information which CRMS will have to use in Create Request.

## Model Details

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Module** | **Model Name** | **Request Type** |
| 1. | Customer | res.partner | CreateRequest |
| 2. | RentalPayment | crms.payment | CreateRequest |
| 3. | DailyRevenue | crms.daily.revenue | CreateRequest |
| 4. | CarHistory | crms.payment.car.history | CreateRequest |
| 5. | CashBranch | crms.cash.branch | CreateRequest |

## 

## Login Details

**URL:** http://122.169.117.128:6118/xmlrpc/object

**Username** = ‘crms’

**Password** = ‘crms123’

**DB Name** = ‘NLCO\_20NOV’

## Sample Code in python for Create Request

import xmlrpclib

user = 'crms'

pwd = 'crms123'

dbname = 'NLCO\_20NOV'

model = 'res.partner' # Change model as per your request

sock = xmlrpclib.ServerProxy('http:// 122.169.117.128:6118/xmlrpc/common')

uid = sock.login(dbname ,user ,pwd)

sock = xmlrpclib.ServerProxy('http://122.169.117.128:6118/xmlrpc/object')

# data mentioned below will be XML Request in String

results = sock.execute(dbname, uid, pwd, model, 'CreateRequest', data)

print results

## Field Mapping

### Customer Field Mapping

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Date Type** | **Mandatory** |
| 1. | CRMSCustomerID | Integer | Yes |
| 2. | BusinessType | String | Yes |
| 3. | RetailType | String | Yes |
| 4. | IDNumber | String | Yes |
| 5. | EmploymentType | String | No |
| 6. | CompanyName | String | No |
| 7. | Designation | String | No |
| 8. | EmpCode | String | No |
| 9. | PreferredLanguage | String | Yes |
| 10. | CustomerTitle | String | Yes |
| 11. | NameInEng | String | Yes |
| 12. | NameInAra | String | Yes |
| 13. | DOB | date | No |
| 14. | Address1 | String | Yes |
| 15. | Address2 | String | Yes |
| 16. | City | String | Yes |
| 17. | Zip | String | No |
| 18. | ERPCountryID | Integer | Yes |
| 19. | Mobile | String | Yes |
| 20. | AltPhone | String | Yes |
| 21. | WorkNumber | String | No |
| 22. | LoyaltyCardID | Integer | No |
| 23. | Fax | String | No |
| 24. | CardExpiryDate | date | Yes |
| 25. | Email | String | Yes |
| 26. | SponsorName | String | Yes |
| 27. | SponsorID | Integer | No |
| 28. | Nationality | String | No |

## XML Create Request for Customer

<?xml version="1.0" encoding="utf-8"?>

<RequestGroup xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<ERPRequest>

<RequestData DataCollectionDate="2013-11-05" RequestService="**CustomerCreateRequest**">

<CustomerList>

<Customer>

<CRMSCustomerID>1</CRMSCustomerID>

<BusinessType>Retail</BusinessType>

<RetailType>Saudi National</RetailType>

<IDNumber>12345</IDNumber>

<EmploymentType>Government</EmploymentType>

<CompanyName>Afras</CompanyName>

<Designation>Service </Designation>

<EmpCode>1234</EmpCode>

<PreferredLanguage>Arabic</PreferredLanguage>

<CustomerTitle>Mr</CustomerTitle>

<NameInEng>Mitesh</NameInEng>

<NameInAra>Mitesh</NameInAra>

<DOB>1982-01-09</DOB>

<Address1>street</Address1>

<Address2>street2</Address2>

<City>Mumbai</City>

<Zip>400001</Zip>

<ERPCountryID>1</ERPCountryID>

<Mobile>9876543210</Mobile>

<AltPhone>9122240001500</AltPhone>

<WorkNumber>912224001500</WorkNumber>

<LoyaltyCardID>654321</LoyaltyCardID>

<Fax>654987</Fax>

<CardExpiryDate>2021-12-03</CardExpiryDate>

<Email>test@mail.com</Email>

<SponsorName>Sponsor</SponsorName>

<SponsorID>1243</SponsorID>

<Nationality>Indian</Nationality>

</Customer>

</CustomerList>

</RequestData>

</ERPRequest>

</RequestGroup>

## OpenERP XML Response for Create Request for Customer

<?xml version="1.0" ?>

<ResponseGroup xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<ERPResponse>

<ResponseData DataCollectionDate="2013-11-21" ResponseService="**CustomerCreateResponse**">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<CustomerResponse>

<CRMSCustomerID>1</CRMSCustomerID>

<ERPCustomerID>82</ERPCustomerID>

<RecordStatus>SUCCESS</RecordStatus>

</CustomerResponse>

</ResponseData>

</ERPResponse>

</ResponseGroup>

### Rental Payment Field Mapping

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Date Type** | **Mandatory** |
| 1. | CRMSRentalPaymentID | Integer | Yes |
| 2. | ERPCustomerID | Integer | Yes |
| 3. | ERPCarID | Integer | Yes |
| 4. | ERPCarTypeID | Integer | Yes |
| 5. | ERPModelID | Integer | Yes |
| 6. | CRMSBookingID | Integer | Yes |
| 7. | RentalFromDate | datetime | Yes |
| 8. | RentalToDate | datetime | Yes |
| 9. | NoOfDays | Integer | Yes |
| 10. | ERPPickupBranchID | Integer | Yes |
| 11. | ERPDropBranchID | Integer | Yes |
| 12. | ERPBookingBranchID | Integer | Yes |
| 13. | AmountPaidByCustomer | Decimal | Yes |
| 14. | RentalAmount | Decimal | Yes |
| 15. | HoldingAmount | Decimal | Yes |
| 16. | Advance | Decimal | Yes |
| 17. | BalanceDue | Decimal | Yes |
| 18. | PaymentMode | String | Yes |

## XML Create Request for Rental Payment

<?xml version="1.0" ?>

<RequestGroup xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<ERPRequest>

<RequestData DataCollectionDate="2013-11-05" RequestService="RentalPaymentCreateRequest">

<RecordCount>12</RecordCount>

<RentalPaymentList>

<RentalPayment>

<CRMSRentalPaymentID>1862</CRMSRentalPaymentID>

<ERPPaymentID>0</ERPPaymentID>

<ERPCustomerID>33</ERPCustomerID>

<ERPCarID>4357</ERPCarID>

<ERPModelID>359</ERPModelID>

<CRMSBookingID>100912</CRMSBookingID>

<RentalFromDate>2014-01-21 15:02:00</RentalFromDate>

<RentalToDate>2014-01-23 15:02:00</RentalToDate>

<NoOfDays>2</NoOfDays>

<NoOfHours/>

<ERPPickupBranchID>21</ERPPickupBranchID>

<ERPDropBranchID>21</ERPDropBranchID>

<ERPBookingBranchID>21</ERPBookingBranchID>

<AmountPaidByCustomer>200</AmountPaidByCustomer>

<AmountReceivedDate>2014-01-21 15:03:20</AmountReceivedDate>

<RentalAmount>150</RentalAmount>

<AmountReturned>0</AmountReturned>

<AmountReturnedDate/>

<HoldingAmount>0</HoldingAmount>

<Advance>50</Advance>

<BalanceDue>0</BalanceDue>

<DamageCharges>0</DamageCharges>

<TrafficViolationCharges/>

<TrafficViolationDate/>

<OtherCharges>0</OtherCharges>

<ExtraKMCharges>0</ExtraKMCharges>

<AdminExpenses>0</AdminExpenses>

<AdditionalDriverCharge/>

<PaymentMode>Span</PaymentMode>

<RatePerDay>75</RatePerDay>

<Discounts/>

<DiscountDate/>

<RentalStatus>Active</RentalStatus>

<AdditionalHourCharges>0</AdditionalHourCharges>

<RentalExtension>No</RentalExtension>

</RentalPayment>

</RentalPaymentList>

</RequestData>

</ERPRequest>

</RequestGroup>

## OpenERP XML Response for Create Request for Rental Payment

<?xml version="1.0" ?>

<ResponseGroup xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<ERPResponse>

<ResponseData DataCollectionDate="2014-01-23" ResponseService="RentalPaymentCreateResponse">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<RentalPaymentResponse>

<ERPBookingID>23</ERPBookingID>

<ERPRentalPaymentID>12</ERPRentalPaymentID>

<CRMSRentalPaymentID>2018</CRMSRentalPaymentID>

<RecordStatus>SUCCESS</RecordStatus>

</RentalPaymentResponse>

</ResponseData>

</ERPResponse>

</ResponseGroup>

## 

## XML Create Request for Daily Revenue

### Daily Revenue Field Mapping

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Explanation** | **Date Type** | **Mandatory** |
| 1. | ERPBookingID | Booking ID of OpenERP | Integer | Yes |
| 2. | Date | Revenue Realize Date | String | Yes |
| 3. | OpenBalance | Closing Amount of the previous day. | Float | Yes  (by default 0) |
| 4. | Revenue | Revenue Realize for the day | Float | Yes |
| 5. | Discount | Discount Percent | Float | Yes  (by default 0) |
| 6. | DiscountAmount | Discount Amount | Float | Yes  (by default 0) |
| 7. | ChangedDiscount | Amending Discount Amount. | Float | Yes  (by default 0) |
| 8. | AmountPaid | Amount Paid for the day | Float | Yes  (by default 0) |
| 9. | AmountReturned | Amount Returned On this Date | Float | Yes  (by default 0) |
| 10. | AdminExpenses | Admin Expenses for the day | Float | Yes  (by default 0) |
| 11. | DamageCharges | Damage Charges for the day | Float | Yes  (by default 0) |
| 12. | TrafficViolationCharges | Traffic Violation Charges for the day | Float | Yes  (by default 0) |
| 13. | OtherCharges | Other Charges for the day | Float | Yes  (by default 0) |
| 14. | AdditionalHourCharges | Additional Hour Charges for the day | Float | Yes  (by default 0) |
| 15. | ExtraKMCharges | Extra Kilometers charges for the day | Float | Yes  (by default 0) |
| 16. | AdditionalDriverCharges | Additional Driver for the day | Float | Yes  (by default 0) |
| 17. | ERPCarID | Car id of ERP | Integer | Yes  (by default 0) |

<RequestGroup xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<CRMSRequest>

<RequestData DataCollectionDate="2013-12-03" RequestService="DailyRevenue">

<DailyRevenueList>

<DailyRevenue>

<ERPBookingID>15</ERPBookingID>

<Date>2013-01-14</Date>

<OpenBalance>100</OpenBalance>

<Revenue>100</Revenue>

<Discount>10</Discount>

<DiscountAmount>10</DiscountAmount>

<ChangedDiscount>10</ChangedDiscount>

<AmountPaid>100</AmountPaid>

<AmountReturned>0</AmountReturned>

<AdminExpenses>10</AdminExpenses>

<DamageCharges>10</DamageCharges>

<TrafficViolationCharges>10</TrafficViolationCharges>

<OtherCharges>10</OtherCharges>

<AdditionalHourCharges>10</AdditionalHourCharges>

<ExtraKMCharges>10</ExtraKMCharges>

<AdditionalDriverCharges>10</AdditionalDriverCharges>

<ERPCarID>123</ERPCarID>

</DailyRevenue>

</DailyRevenueList>

</RequestData>

</CRMSRequest>

</RequestGroup>

## OpenERP XML Response for Create Request for Daily Revenue

<ResponseGroup xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<ERPResponse>

<ResponseData DataCollectionDate="2014-01-14" ResponseService="DailyRevenueCreateResponse">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<DailyRevenueResponse>

<ERPDailyRevenueID>1</ERPDailyRevenueID>

<RecordStatus>Success</RecordStatus>

</DailyRevenueResponse>

</ResponseData>

</ERPResponse>

</ResponseGroup>

## XML Create Request for Car History

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Date Type** | **Mandatory** |
| 1. | ERPBookingID | Integer | Yes |
| 2. | ChangeDate | Datetime | Yes |
| 3. | ERPCarID | Integer | Yes |
| 4. | ERPModelID | Integer | Yes |

<?xml version="1.0" ?>

<ResponseGroup xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<CRMSResponse>

<RequestData DataCollectionDate="2013-11-05" ResponseService="CarHistoryCreateResponse">

<CarHistoryList>

<CarHistory>

<ERPBookingID>21</ERPBookingID>

<ERPCarID>2450</ERPCarID>

<ERPModelID>323</ERPModelID>

<ChangeDate>2014-01-25 18:00:00</ChangeDate>

</CarHistory>

</CarHistoryList>

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

</RequestData>

</CRMSResponse>

</ResponseGroup>

## OpenERP XML Response for Create Request for Car History

<?xml version="1.0" ?>

<ResponseGroup xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<ERPResponse>

<ResponseData DataCollectionDate="2014-01-23" ResponseService="CarHistoryCreateResponse">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<CarHistoryResponse>

<ERPCarHistoryID>1</ERPCarHistoryID>

<RecordStatus>SUCCESS</RecordStatus>

</CarHistoryResponse>

</ResponseData>

</ERPResponse>

</ResponseGroup>

## XML Create Request for Cash Branch

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Date Type** | **Mandatory** |
| 1. | BranchOpeningBalance | Integer | Yes |
| 2. | ChangeDate | Datetime | Yes |
| 3. | CashReceived | Float | Yes |
| 4. | CashPaid | Float | Yes |
| 5. | BranchExpensesRelatedtoVehicle | Float | Yes |
| 6. | TotalBranchExpenses | Float | Yes |
| 7. | CashPaidHeadOffice | Float | Yes |
| 8. | ClosingBalance | Float | Yes |
| 9. | ERPBranchID | Integer | Yes |

<?xml version="1.0" ?>

<ResponseGroup xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<CRMSResponse>

<RequestData DataCollectionDate="2013-11-05" ResponseService="CashBranchCreateRequest">

<CashBranchList>

<CashBranch>

<Date>2013-11-05</Date>

<BranchOpeningBalance>4</BranchOpeningBalance>

<CashReceived>44</CashReceived>

<CashPaid>45</CashPaid> <BranchExpensesRelatedtoVehicle>359</BranchExpensesRelatedtoVehicle>

<TotalBranchExpenses>12</TotalBranchExpenses>

<CashPaidHeadOffice>2</CashPaidHeadOffice>

<ClosingBalance>2014</ClosingBalance>

<ERPBranchID>32</ERPBranchID>

</CashBranch>

</CashBranchList>

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

</RequestData>

</CRMSResponse>

</ResponseGroup>

## OpenERP XML Response for Create Request for Car History

<?xml version="1.0" ?>

<ResponseGroup xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<ERPResponse>

<ResponseData DataCollectionDate="2014-01-23" ResponseService="CashBranchCreateResponse">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<CashBranchResponse>

<ERPCashBranchID>6</ERPCashBranchID>

<RecordStatus>SUCCESS</RecordStatus>

</CashBranchResponse>

</ResponseData>

</ERPResponse>

</ResponseGroup>

# OpenERP Create/Update Request & Response details for Car

Car Module is the only module in integration for which Car will be created in OpenERP first(Future Senario), then it would be created in CRMS and thereafter any changes in car information in CRMS will result in CRMS sending Update Request to OpenERP for updating Car Details in OpenERP. In OpenERP CRMS will only to able to update those car information for which CRMS ID exists. CarCreateRequest would be used in OpenERP for updating data in OpenERP from CRMS.

Currently until the procurement process is implemented in OpenERP, CRMS should be able to create Cars in OpenERP(As discussed with Sarath on 25th Nov 2013 on Skype call). Therefore now CRMS will also be able to create Cars in OpenERP.

## Model Details

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Module** | **Model Name** | **Request Type** |
| 1. | Car | fleet.vehicle | CreateRequest |

## Login Details

**URL:** http://122.169.117.128:6118/xmlrpc/object

**Username** = ‘crms’

**Password** = ‘crms123’

**DB Name** = ‘NLCO\_20NOV’

## Sample Code in python for Create/Update Request

import xmlrpclib

user = 'crms'

pwd = 'crms123'

dbname = 'NLCO\_20NOV'

model = 'fleet.vehicle' # Change model as per your request

sock = xmlrpclib.ServerProxy('http:// 122.169.117.128:6118/xmlrpc/common')

uid = sock.login(dbname ,user ,pwd)

sock = xmlrpclib.ServerProxy('http://122.169.117.128:6118/xmlrpc/object')

# data mentioned below will be XML Request in String

results = sock.execute(dbname, uid, pwd, model, 'CreateRequest', data)

print results

## Field Mapping

### Car Field Mapping

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Field Name** | **Date Type** | **Mandatory** |
| 1. | ERPCarID | Integer | Yes |
| 2. | AssignedFor | Integer | Yes |
| 3. | ERPBranchID | Integer | Yes |
| 4. | ERPModelID | Integer | Yes |
| 5. | LicenseInEng | String | Yes |
| 6. | LicenseInAra | String | Yes |
| 7. | VIN | String | Yes |
| 8. | EngineNumber | String | No |
| 9. | CarValue | String | No |
| 10. | ColorInEng | String | Yes |
| 11. | ColorInAra | String | Yes |
| 12. | AcquisitionDate | Date | No |
| 13. | MVPIExpiryDate | Date | No |
| 14. | Odometer | Integer | Yes |
| 15. | Barcode | String | No |
| 16. | ModelYear | Integer | Yes |
| 17. | CarOwner | String | Yes |

## XML Create/Update Request for Car

<RequestGroup xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema">

<CRMSRequest>

<RequestData DataCollectionDate="2013-11-05" RequestService="**CarCreateRequest**">

<CarList>

<Car>

<CRMSCarID>1</CRMSCarID>

<AssignedFor>Retail</AssignedFor>

<ERPBranchID>15</ERPBranchID>

<ERPModelID>321</ERPModelID>

<LicenseInEng>1234ABC </LicenseInEng>

<LicenseInAra>1243ABC</LicenseInAra>

<VIN>12345678</VIN>

<EngineNumber>789456</EngineNumber>

<CarValue>750000</CarValue>

<ColorInEng>Red</ColorInEng>

<ColorInAra>Red</ColorInAra>

<AcquisitionDate>2013-10-10</AcquisitionDate>

<MVPIExpiryDate>2013-12-10</MVPIExpiryDate>

<Odometer>12000</Odometer>

<Barcode>11111</Barcode>

<CarOwner>NLCO</CarOwner>

</Car>

</CarList>

</RequestData>

</CRMSRequest>

</RequestGroup>

## OpenERP XML Response for Create/Update Request for Car

<?xml version="1.0" ?>

<ResponseGroup xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">

<ERPResponse>

<ResponseData DataCollectionDate="2013-11-25" ResponseService="**CarCreateResponse**">

<ResponseCode>1</ResponseCode>

<ResponseMessage>SUCCESS</ResponseMessage>

<CarResponse>

<CRMSCarID>1</CRMSCarID>

<ERPCarID>11</ERPCarID>

<RecordStatus>SUCCESS</RecordStatus>

</CarResponse>

</ResponseData>

</ERPResponse>

</ResponseGroup>