

This document highlights the major changes for Release 12.1_FP2_SP6 of Oracle Retail Micros Retail-J

Release Overview

This document contains the release notes for Oracle Retail MICROS Retail-J version 12.1_FP2_SP6 application and is regarded as a general maintenance release.

This release enables the retailer to process end-user requests for data access and deletion of individual data records stored in Oracle Retail MICROS Retail-J.

Retail-J now provides API to fetch customer data or employee data given the customer identifier or the employee identifier respectively. It also provides the API to delete the employee data or the customer data stored by Oracle Retail MICROS Retail-J.

Each and every afore-mentioned API calls are logged for auditing purposes.

Certified Platforms

The Oracle Retail MICROS Retail-J version 12.1_FP2_SP6 release is supported on the following platforms.

Type	Software and Version
Operating System	<ul style="list-style-type: none">▪ Windows 7 Professional *64 bit▪ Windows 8.1.Pro *64 bit▪ Windows POSReady 7▪ Windows POSReady 2009▪ Windows Embedded 8.1 for Industry▪ Windows Server 2008 R2 SP1▪ Windows Server 2012▪ Linux
Database ¹	<ul style="list-style-type: none">▪ Oracle 11g R2▪ Microsoft SQL Server 2008 R2▪ MySQL 6.x
Web Application Server	<ul style="list-style-type: none">▪ Tomcat 7
Browsers	<ul style="list-style-type: none">▪ Supported: Internet Explorer 9, Firefox▪ Not supported: Google Chrome

Retail-J Web Services

DataPrivacyServlet, a servlet with a set of API to read Employee data and Customer Data and to delete the same, has been added.

The servlet provides four methods (namely, getCustomerData, getEmployeeData, deleteCustomerData and deleteEmployeeData), to fetch and delete the data for both employee and customer.

¹ All Oracle Retail MICROS Retail-J databases support unicode or double-byte data

Access Customer Data:

https://<hostname>:<port>/rjWebServices/DataPrivacyServlet?method=getCustomerData&deviceID=<deviceID> &uid=<userID>&pwd=<password> &id=<customerID>

```
<Customer>
<CustomerNumber>1</CustomerNumber>
<Title>Mr</Title>
<Initials>LR</Initials>
<Forename>Lee</Forename>
<Surname>Clinton|Bill</Surname>
<Sex>M</Sex>
<DateOfBirth>1980-06-05T00:00:00+05:30</DateOfBirth>
<VATNumber>653443243</VATNumber>
<Address>
<XMLSchemaVersion>1</XMLSchemaVersion>
<OrganisationName>TOREX</OrganisationName>
<Street1>Houghton Hall Business Park</Street1>
<Street2>Houghton Regis</Street2>
<Street3>234</Street3>
<Town>Dunstable</Town>
<County>London</County>
<PostCode>LU5 5YG</PostCode>
<Country>UK</Country>
<Phone1>34645235</Phone1>
<Phone2>4565233</Phone2>
<MobilePhone>565345</MobilePhone>
<Email>mail@lee.com</Email>
<Fax>56542434</Fax>
<AddressAttributes>
<XMLSchemaVersion>1</XMLSchemaVersion>
<Attribute>
<Name>244</Name>
<Value>cust address1</Value>
</Attribute>
</AddressAttributes>
<CountryDescription>United Kingdom</CountryDescription>
<Latitude>40.0</Latitude>
<Longitude>50.0</Longitude>
</Address>

<NameAttributes>
<XMLSchemaVersion>1</XMLSchemaVersion>
<Attribute>
<Name>24</Name>
<Value>Cust attribute</Value>
</Attribute>
</NameAttributes>
<CustomerAttributes>
<XMLSchemaVersion>1</XMLSchemaVersion>
<Attribute>
<Name>2444</Name>
<Value>Customer attri</Value>
</Attribute>
</CustomerAttributes>
<CustomerCard>
<Pan>*****4984</Pan>
<ExpiryDate>0514</ExpiryDate>
<IssueDate/>
<CardType>0</CardType>
<IssueNumber/>
</CustomerCard>
<CustomerCard>
```

```

<Pan>*****6356</Pan>
<ExpiryDate>0514</ExpiryDate>
<IssueDate/>
<CardType>0</CardType>
<IssueNumber/>
</CustomerCard>
<CustomerLoyalty>
<IsLoyaltyAccount>true</IsLoyaltyAccount>
<LoyaltySchemeID>1</LoyaltySchemeID>
<LoyaltyBalance>499900</LoyaltyBalance>
<RecentLoyaltyCreditsTotal>234</RecentLoyaltyCreditsTotal>
<RecentLoyaltyDebitsTotal>3464653</RecentLoyaltyDebitsTotal>
<MobilePhoneNumber>97987987</MobilePhoneNumber>
</CustomerLoyalty>
<Image>
<OriginalFileName>reg.jpg</OriginalFileName>
</Image>
</Customer>

```

Access Employee Data

https://<hostname>:<port>/rjWebServices/DataPrivacyServlet?method=getEmployeeData&deviceID=<deviceID> &uid=<userID>&pwd=<password> &id=<employeeID>

```

<Employee>
<EmployeeID>0001000011</EmployeeID>
<Title>Mr</Title>
<Initials>JS</Initials>
<Forename>John</Forename>
<Surname>Smith</Surname>
<DateOfBirth>1970-01-01T00:00:00+05:30</DateOfBirth>
<ContactName>Tie Smith</ContactName>
<ContactRelationship>Brother</ContactRelationship>
<ContactAddress>
<XMLSchemaVersion>1</XMLSchemaVersion>
<OrganisationName>hh</OrganisationName>
<Street1>3, Hilton St.</Street1>
<Street2>Golden Ball</Street2>
<Street3>bbnm</Street3>
<Town>Wolf town</Town>
<County> WorkShire </County>
<PostCode>098765</PostCode>
<Country>UK</Country>
<Phone1>0987654321</Phone1>
<Phone2>0967546788</Phone2>
<MobilePhone>9856465476</MobilePhone>
<Email>mn@gmail.com</Email>
<Fax>248976</Fax>
<CountryDescription>United Kingdom</CountryDescription>
<Latitude>53.7306N</Latitude>
<Longitude>1.2345W</Longitude>
<Elevator>1</Elevator>
</ContactAddress>
<Address>
<XMLSchemaVersion>1</XMLSchemaVersion>
<OrganisationName>Oracle Corporation</OrganisationName>
<Street1>Redwood Shores</Street1>
<Street2>Funland</Street2>
<Street3>32 West</Street3>
<Town>New Town</Town>
<County>Workshire</County>
<PostCode>976857</PostCode>
<Country>UK</Country>

```

```

<Phone1>97698658745</Phone1>
<Phone2>78435354</Phone2>
<MobilePhone>75587687</MobilePhone>
<Email>vbc@hotmail.com</Email>
<Fax>12358789</Fax>
<CountryDescription>United Kingdom</CountryDescription>
<Latitude>9.0</Latitude>
<Longitude>17.0</Longitude>
<Elevator>1</Elevator>
</Address>
<BankAddress>
<XMLSchemaVersion>1</XMLSchemaVersion>
<OrganisationName>J & J Bank</OrganisationName>
<Street1>..</Street1>
<Street2>..</Street2>
<Street3>..</Street3>
<Town>..</Town>
<County>..</County>
<PostCode>...</PostCode>
<Country>UK</Country>
<Phone1>9768746547586</Phone1>
<Phone2>978674647657</Phone2>
<MobilePhone>786564562453</MobilePhone>
<Email>mnkl@gmail.com</Email>
<Fax>kljkj</Fax>
<CountryDescription>United Kingdom</CountryDescription>
<Latitude>3.0</Latitude>
<Longitude>9.0</Longitude>
<Elevator>1</Elevator>
</BankAddress>
<BankAccountNumber>*****4787</BankAccountNumber>
<SocialSecurityNumber>**8765</SocialSecurityNumber>
<ImageFilename>emn.jpg</ImageFilename>
<ImageFilepath>C:\fakepath\emn.jpg</ImageFilepath>
</Employee>

```

Deleting a Customer

https://<hostname>:<port>/rjWebServices/DataPrivacyServlet?method=deleteCustomerData&deviceID=<deviceID> &uid=<userID>&pwd=<password> &id=<customerID>

```
<Result>Processing delete.</Result>
```

Deleting Employee Data

https://<hostname>:<port>/rjWebServices/DataPrivacyServlet?method=deleteEmployeeData&deviceID=<deviceID> &uid=<userID>&pwd=<password> &id=<employeeID>

```
<Result>Processing delete.</Result>
```

The userID, and password are the credentials of the person accessing it.

Note: Upon customer deletion, the deletion of a related basket can be controlled based on a flag called 'DeleteTransactionForPrivacy', added to organization.

The deleteTransactionForPrivacy can be controlled in the organization as follows:

Organization Registration

You are editing Organization RJ 13

Field	Value
Organisation ID	RJ13
Organisation Name	RJ13
License Serial Number	73DA41424ED8E0151BB847DBA192B7F2DA81D8D5D38A0CF16E7F1413ED9C2D53
Contact Name	System Owner
Base Currency ID	UK Sterling
Start Of Week	Sunday
Primary Estate Manager Device ID	ALL.RJ13
Encrypt Sensitive XML	<input checked="" type="checkbox"/>
PCI Compliant Information Display	<input type="checkbox"/>
Message Broker	-
Back Office UI Theme	test classic
Delete Customer Transactions for Data Privacy	<input type="checkbox"/>
User Details	
Location Unique User IDs	<input type="checkbox"/>
User ID Length	-
Inventory Management Details	
All Inventory Levels Held Centrally	<input checked="" type="checkbox"/>
No Container Tracking	<input type="checkbox"/>
Central Serial Number URL	
Edit Address	

Data Model Changes

A table called DataPrivacyEvents has been added to store the events triggered by invoking getCustomerData, getEmployeeData, deleteCustomerData, deleteEmployeeData methods. The events are Access_Customer Event, Access_Employee event, Forget_Customer event and forget_employee event.

DataPrivacyServlet logs every call to DataPrivacyEvents table based on the method invoked.

Activity Log

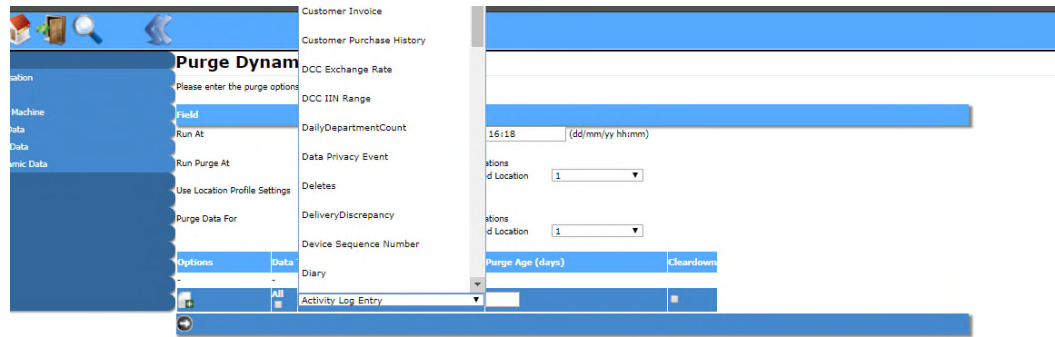
The DataPrivacy Events would also make it to the Activity log and thus be available for audits.

An activity log entry for a data privacy event would look like:

	04/01/18 11:41	Insert	DataPrivacyEvent	221120180104114126141	ADMIN	ALL.RJ13
	04/01/18 11:41	Card Number View	ReportCriteria	Card Details	ADMIN	ALL.RJ13
	04/01/18 11:40	Card Number View	ReportCriteria	Customer Spend History Report	ADMIN	ALL.RJ13

Purging Events

The Data Privacy Events are purgable just like other entities as part of purge dynamic data.



Technical Enhancements

The technical enhancement described below is included in this release:

Internal Reference Number	Description
MRJ-28062	Secure by Default

Noteworthy Fixed Issues

The following noteworthy defect fixes are included in this release:

Internal Reference Number	Description
26392853	Unable to set up Indian Rupee in Retail-J using Hindi.
23122874	Changes Required For Worldpay's New File Gateway.
23761709	3RD PARTY LIBRARIES - REMOVE ITEXTPDF-5.2.0 DEPENDENCY

Known Issues

For a list of known issues, speak with your Oracle product representative

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