

**Oracle® Hospitality OPERA Exchange
Interface**
Results XML Schema Specifications

October 2017

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Preface

This document describes the Result XML schema layout and data elements used for the OPERA Xchange Interface. It further explains the mapping of the XML data elements into the OPERA application and the generic business rules that are applied.

In the following document we will refer to the third party system as external system. Third Party Systems can be central reservation systems, property management systems, or others. The OPERA applications will be referred to as OPERA. Please note that OPERA can function as single property OPERA, multi property OPERA, or as central system OPERA. The respective differences between these OPERA flavors will be addressed where necessary. The OPERA Xchange Interface will be referred to as OXI.

The specifications in this document are based on the XML schema version 4.0, compatible with OPERA version 4.0 onwards. All XML schema versions maintain backward compatibility.

Audience

This document is intended for those developing custom applications that interact with Results functionality in OPERA through OXI.

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:
<https://support.oracle.com>

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received and any associated log files
- Screen shots of each step you take

Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at
<http://docs.oracle.com/en/industries/hospitality/>

1 Mapping Table Data Elements

A result message can be sent as receipt acknowledge for any message type that is being transmitted between OPERA and the external system. The functionality and contents of the result messages remain the same regardless whether OXI acts as PMS interface, S&C interface, or CRS interface.

XML Message Main Object	XML Message Main Group	XML Message Label	OPERA Table / Column	Business Rules
Result	Result	ResortID		Property code for which message was sent. For reservations, this serves as search criteria for each reservation in combination with CRSID and LegNumber (if sent). For all other message types, it serves as search criteria to find the proper data record in case of a multi-property setup. Mandatory for all result messages at this time.
Result	Result	ResultMessage		Free format text that must indicate what the result message is for. The format and contents of the text are optional but should be explicit for users to understand the nature of the result message. Sample: successfully created profile. Sample: error in processing reservation number 123. Sample: could not apply change to block code ABC.
Result	ResultID	ResultMSGType		Message type for which result is sent. Valid options: PROFILE - Profile message.

ALLOTMENT - Block Header and Details.
 RATEHEADER - not used.
 RATEDETAIL - not used.
 RATEAVAIL - Rate Restriction by Rate Code.
 RATEAVLRT - Rate Restriction by Room Type.
 PACKAGE - not used at this time.
 RATE - Rate Header and Details.
 RESERVATION - Reservation message.
 INVENTORY - Inventory and Inventory Snapshot messages.
 CCOMMENT - not used
 Mandatory for all result messages.

ResultID	Success
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Result status. Valid options:
 SUCCESS - message was successfully received.
 SUCCESSINFO - not used.
 WARNING - not used.
 FAIL - message failed.
 REQUEUE not used.
 Mandatory for all result messages.

ResultID	CRSID	RESERVATION_NAME .EXTERNAL_REFEREN CE	<p>For reservations: CRS confirmation number for the reservation. If sent this can be used as primary search criteria for each reservation in OPERA.</p> <p>OXI is PMS interface: External system will create CRSID and send it in result after receipt of reservation message from OPERA PMS. If a change from external system to that reservation is sent to OPERA, OXI will return a result with the CRS number included.</p> <p>OXI is CRS interface: OXI will create CRSID and send it in result after receipt of reservation message from external PMS. If a change in OPERA to that reservation is sent to external PMS, the external system will return a result with the CRS number included. Mandatory for reservations.</p> <p>For profiles: CRS internal number for the profile. If sent this can be used as primary search criteria for a profile in OPERA.</p> <p>OXI is PMS interface: External system will create internal profile ID and send it in result after receipt of profile message from OPERA PMS. If a change from external system to that profile is sent to OPERA, OXI will return the CRS profile ID in result message.</p> <p>OXI is CRS interface: OXI will create internal profile ID and send it in result after</p>
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receipt of profile message
from external PMS.

If a change in OPERA to that
profile is sent to external PMS,
the external system should
send the CRS profile ID in
result back to OXI.

Desirable for profiles.

For blocks: CRS confirmation
number for the block. If sent
this can be used as search
criteria for a block in OPERA.

OXI is PMS interface:

External system can send its
block ID OR the block code in
result after receipt of block
message from OPERA PMS.

If a change from external
system to that block is sent to
OPERA, OXI will return the
CRSID of the block in result
message.

OXI is CRS interface:

OXI will send the OPERA
block code in result after
receipt of block message from
external PMS.

If a change in OPERA to that
block is sent to external PMS,
external system has to send
the OPERA block code as
CRSID in result message.

Desirable for blocks.

ResultID	PMSID	RESERVATION_NAME .CONF_NO	<p>For reservations: PMS confirmation number for reservation. This will be used as secondary search criteria for each reservation in OPERA.</p> <p>OXI is PMS interface: OXI will send this PMS confirmation number in result after receipt of reservation from external system.</p> <p>If a reservation is changed in OPERA, external system has to send the OPERA PMSID back in result.</p> <p>OXI is CRS interface: External PMS will send this PMS confirmation number in result after receipt of reservation from OXI.</p> <p>If external PMS sends a change to the reservation to OPERA, OXI will return the PMSID in result.</p> <p>Mandatory for reservations.</p> <p>For profiles: PMS internal number for the profile. If sent this can be used as search criteria for each profile in OPERA.</p> <p>OXI is PMS interface: OXI will send this PMS internal profile ID in result after receipt of profile from external system.</p> <p>If a profile is changed in OPERA, external system can send the OPERA profile PMSID back in result.</p> <p>OXI is CRS interface: External PMS will send its internal profile ID in result after receipt of profile from OXI.</p> <p>Desirable for profiles.</p>
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For blocks: CRS confirmation number for the block. If sent this can be used as search criteria for a block in OPERA.

OXI is PMS interface:

External system can send its block ID OR the block code in result after receipt of block message from OPERA PMS

If a change from external system to that block is sent to OPERA, OXI will return the CRSID of the block in result message.

OXI is CRS interface:

OXI will send the OPERA block code in result after receipt of block message from external PMS.

If a change in OPERA to that block is sent to external PMS, external system has to send the OPERA block code as CRSID in result message.

Desirable for blocks.

ResultID	PMSID	RESERVATION_NAME .CONF_NO	<p>For reservations: PMS confirmation number for reservation. This will be used as secondary search criteria for each reservation in OPERA.</p> <p>OXI is PMS interface: OXI will send this PMS confirmation number in result after receipt of reservation from external system.</p> <p>If a reservation is changed in OPERA, external system has to send the OPERA PMSID back in result.</p> <p>OXI is CRS interface: External PMS will send this PMS confirmation number in result after receipt of reservation from OXI.</p> <p>If external PMS sends a change to the reservation to OPERA, OXI will return the PMSID in result.</p> <p>Mandatory for reservations.</p> <p>For profiles: PMS internal number for the profile. If sent this can be used as search criteria for each profile in OPERA.</p> <p>OXI is PMS interface: OXI will send this PMS internal profile ID in result after receipt of profile from external system.</p> <p>If a profile is changed in OPERA, external system can send the OPERA profile PMSID back in result.</p> <p>OXI is CRS interface: External PMS will send its internal profile ID in result after receipt of profile from OXI.</p> <p>If external PMS sends a change to the profile to</p>
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OPERA, OXI will return the PMSID in result.
Desirable for profiles.

For blocks: PMS internal block ID for block. This will be used as search criteria for a block in OPERA.

OXI is PMS interface:

OXI will send the block code in result after receipt of a block message from the external system.

If a block is changed in OPERA, external system has to send the OPERA block code back in result.

OXI is CRS interface:

External PMS will send its block ID OR the block code in result after receipt of block from OXI.

If external PMS sends a change to the block to OPERA, OXI will return the PMS block ID in result.

Desirable for blocks.

ResultID	ShareNum		Not used by OXI interfaces.
ResultID	ShareID		Not used by OXI interfaces.
ResultID	MemberNr	NAME.NAME_CODE MEMBERSHIPS.MEMB ERSHIP_ID	Primary membership number of guest in profile results. OXI is PMS or CRS interface: If OXI sends a profile to the external system it can include the profile membership number. The external system should then return the membership number in the result. If the external system sends a profile with membership number to OPERA, OXI will return the same in the result message. Desirable for profiles.

LegQuery	Leg Numbers	RESERVATION_DAILY_ELEMENT.EXT_SEG_NO	Leg number or segment number of the reservation. This will be used in combination with the property code and CRS number to search for a reservation in OPERA. OXI is PMS or CRS interface: OPERA does not create any leg numbers so these would only be sent back in result by external system after receipt of a reservation from OPERA. OXI will insert these leg numbers into the OPERA table indicated. The leg numbers will serve as retrieval and match criteria for any reservation message. If the external system sends a change to a reservation that has leg numbers in OPERA, OXI will return these in the result message. Might be mandatory for some external systems.
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Samples for Result Messages

Result Message for Reservation

Reservation result from external system to OPERA:

```

<?xml version="1.0" ?>
  <?Label MOTTI|RESULT|2035132|NEW?>
- <RESULT xmlns="result.fidelio.4.0" success="SUCCESS"
  timeStamp="2009-08-17T16:08:39.000">
  <resortId>MOTTI</resortId>
  <resultMessage>Successfully updated reservation in
    Opera.</resultMessage>
- <ResultIds>
- <ResultId resultMsgType="RESERVATION">
  <crsId>4675769</crsId>
  <pmsId>1545462.1</pmsId>
  <legNumbers>1</legNumbers>
- <ReservationReferences>
  <ReservationReference type="GUESTID" referenceNumber="1545462"
    legNumber="1" />

```

```

    <ReservationReference type="PMSID" referenceNumber="1545462"
      legNumber="1" />
  </ReservationReferences>
</ResultId>
</ResultIds>
</RESULT>

```

Reservation Result from OPERA to External System

```

<?xml version="1.0" ?>
  <?Label MOTTI|RESULT|1706858|SUCCESS?>
- <RESULT xmlns="result.fidelio.4.0" success="SUCCESS"
  timeStamp="2009-08-17T14:43:17.000">
  <resortId>MOTTI</resortId>
  <resultMessage>Successfully updated reservation in
    Opera.</resultMessage>
- <ResultIds>
- <ResultId resultMsgType="PROFILE">
  <crsId>4700267</crsId>
  <pmsId>6235266</pmsId>
  </ResultId>
- <ResultId resultMsgType="RESERVATION">
  <crsId>4675767.1</crsId>
  <pmsId>1545212</pmsId>
  <legNumbers>1</legNumbers>
- <ReservationReferences>
  <ReservationReference type="GUESTID" referenceNumber="4675767"
    legNumber="1" />
  <ReservationReference type="PMSID" referenceNumber="1545212"
    legNumber="1" />
  </ReservationReferences>
</ResultId>
</ResultIds>
</RESULT>

```

Result Message for Profile

Profile Result from External System to OPERA

```

<?xml version="1.0" ?>
  <?Label MOTTI|RESULT|2035131|NEW?>
- <RESULT xmlns="result.fidelio.4.0" success="SUCCESS"
  timeStamp="2009-08-17T16:08:38.000">
  <resortId>MOTTI</resortId>
  <resultMessage>Successfully updated profile in
    Opera.</resultMessage>
- <ResultIds>
- <ResultId resultMsgType="PROFILE">
  <crsId>4700271</crsId>
  <pmsId>6235502</pmsId>
  <memberNr>2432204</memberNr>
  </ResultId>
</ResultIds>
</RESULT>

```

Profile Result from OPERA to External

```

<?xml version="1.0" ?>

```

```

    <?Label MOTTI|RESULT|1706873|SUCCESS?>
- <RESULT xmlns="result.fidelio.4.0" success="SUCCESS"
  timeStamp="2009-08-17T16:09:06.000">
  <resortId>MOTTI</resortId>
  <resultMessage>Successfully updated profile in
    Opera.</resultMessage>
- <ResultIds>
- <ResultId resultMsgType="PROFILE">
  <crsId>4700271</crsId>
  <pmsId>6235502</pmsId>
  </ResultId>
  </ResultIds>
  </RESULT>

```

Result Message for Block (Allotment)

Block Message to External with Embedded Profile

```

<?xml version="1.0" ?>
  <?Label MOTTI|RESULT|1706636|SUCCESS?>
- <RESULT xmlns="result.fidelio.4.0" success="SUCCESS"
  timeStamp="2009-08-17T11:42:19.000">
  <resortId>MOTTI</resortId>
  <resultMessage>Successfully updated allotment in
    Opera.</resultMessage>
- <ResultIds>
- <ResultId resultMsgType="PROFILE">
  <crsId>4700054</crsId>
  <pmsId>6235003</pmsId>
  </ResultId>
- <ResultId resultMsgType="PROFILE">
  <crsId>4700041</crsId>
  <pmsId>6234503</pmsId>
  </ResultId>
- <ResultId resultMsgType="PROFILE">
  <crsId>4700044</crsId>
  <pmsId>6234504</pmsId>
  </ResultId>
- <ResultId resultMsgType="PROFILE">
  <crsId>4700046</crsId>
  </ResultId>
- <ResultId resultMsgType="ALLOTMENT">
  <crsId>272538</crsId>
  <pmsId>REL_001</pmsId>
  <mfResortAllotmentId>518091</mfResortAllotmentId>
  </ResultId>
  </ResultIds>
  </RESULT>

```

Result Message from External System

```

<?xml version="1.0" ?>
  <?Label MEXICO|RESULT|2033190|NEW?>
- <RESULT xmlns="result.fidelio.4.0" success="SUCCESS"
  timeStamp="2009-08-15T11:57:48.000">
  <resortId>MEXICO</resortId>

```

```

<resultMessage>Successfully updated allotment in
  Opera.</resultMessage>
- <ResultIds>
- <ResultId resultMsgType="ALLOTMENT">
  <crsId>272533</crsId>
  <pmsId>7TH</pmsId>
  <mfResortAllotmentId>517089</mfResortAllotmentId>
  </ResultId>
</ResultIds>
</RESULT>

```

Result Message for Rate

For a New Rate

```

<?xml version="1.0" ?>
<?Label MOTTI|RESULT|552018|SUCCESS?>
- <RESULT xmlns="result.fidelio.4.0" success="SUCCESS">
  <resortId>MOTTI</resortId>
  <resultMessage> Successfully updated rate in Opera resultMessage>
  - <ResultIds>
  <ResultId resultMsgType="RATE" />
  </ResultIds>
</LegQuery />

```

For a Rate Change

```

<?xml version="1.0" ?>
<?Label MOTTI|RESULT|552013|SUCCESS?>
- <RESULT xmlns="result.fidelio.1.0" success="SUCCESS">
  <resortId>MOTTI</resortId>
  <resultMessage>Successfully changed rate.</resultMessage>
  - <ResultIds>
  <ResultId resultMsgType="RATE" />
  </ResultIds>
</LegQuery />

```

Result Message for FINTRX

```

<?xml version="1.0" ?>
  <?Label MOTTI|RESULT|5687458|NEW?>
- <RESULT xmlns="result.fidelio.4.0" success="SUCCESS"
  timeStamp="2009-08-12T14:27:52.000">
  <resortId>MOTTI</resortId>
  <resultMessage>Successfully updated fintrx in
    Opera.</resultMessage>
- <ResultIds>
- <ResultId resultMsgType="FINTRX">
  <crsId>109792</crsId>
  <pmsId>1285266</pmsId>
  </ResultId>
  </ResultIds>
</RESULT>

```

Result Message for Inventory Snapshot

```
<?xml version="1.0" ?>
<?Label MOTTI|RESULT|6523563|SUCCESS?>
- <RESULT xmlns="result.fidelio.1.0" success="SUCCESS">
<resortId>MOTTI</resortId>
<resultMessage>Successfully Applied Inventory
Changes.</resultMessage>
- <ResultIds>
<ResultId resultMsgType="INVENTORY" />
</ResultIds>
</RESULT>
```