

Oracle® Hospitality Query and Analysis
Statement of Release
V05.012

March 2016

ORACLE®

Q&A for MICROS Opera Statement of Release V05.012

Original Issued Date: March 2015

Q&A / DataLink version: 05.012

Author Product: MICROS Opera 4.0.1, 4.5, and 5.0

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Introduction

About This Document

Oracle Corporation acquired MICROS and all further references to MICROS should be considered as Oracle Corporation.

Release History

Datalink Version Number	Minimum Q&A Version	Release Date
05.012	10.0.0	March 2015
05.011	10.0.0	January 2014
05.010	6.3.1-1	March 2013
05.009	6.3.1-1	November 2012
05.008	6.3.1-1	April 2012
05.007	6.3.1-1	August 2011
05.006	6.3.1-1	February 2011
05.005	6.3.1-1	September 2010
05.004	6.3.1-1	June 2010
05.003	6.3.1-1	December 2009
05.002	6.3.1-1	July 2009
05.001	6.3.1-1	October 2008
04.002	6.3.1-1	January 2008
04.001	6.3.1-1	February 2007
03.003	6.3.1-1	June 2006
03.002	6.1.2	March 2006
03.001	6.1.2	October 2005
02.006	6.1.2	June 2005
02.005	6.1.2	December 2004

Distribution

- MICROS Inc.

MICROS OPERA Support

MICROS OPERA Versions

- 2.6 to 5.0, inclusive

Note that whilst versions are supported, it does not necessarily mean that all new functionality has been included. The Opera version MAY be supported with existing functionality only.

MICROS OPERA Applications

- PMS
- S&C
- ORS, OCIS

Database Platforms

- Oracle Enterprise Server Edition– version 8.1.7.0.0.
- Oracle Enterprise Server Edition– version 9i
- Oracle Enterprise Server Edition– version 10g

Languages

- English



New Features 5.12 (March 2015)

- This release includes minor enhancements and fixes

New Features 5.11 (January 2014)

- The User Financial Activity table has been made available.
- This release includes minor enhancements and fixes

New Features 5.10 (March 2013)

- This release includes minor enhancements and fixes

New Features 5.9 (November 2012)

- This release includes minor enhancements and fixes

New Features 5.8 (April 2012)

- This release includes minor enhancements and fixes

New Features 5.7 (August 2011)

- This release includes minor enhancements and fixes

New Features 5.6 (February 2011)

- In this release the option to allow serialization and reporting from a sub-set of Resorts has been included.
- The Membership Statement Details table has been made available.
- This release includes minor enhancements and fixes

New Features 5.5 (September 2010)

- This release includes minor enhancements and fixes

New Features 5.4 (June 2010)

- This release includes minor enhancements and fixes

New Features 5.3 (December 2009)

- This release includes the enhancement to allow Q&A to work in an ASP environment from Opera Version 5. Note in an ASP environment it is necessary to enforce user security and map users.

- This release includes minor enhancements and fixes

New Features 5.2 (July 2009)

- This release includes minor enhancements and fixes
- The Survey tables have been exposed.
- The Activities table has been exposed.
- The FIT Contracts tables have been exposed.

New Features 5.1 (October 2008)

- This release includes the updates required to allow the DataLink to function correctly with Opera Version 5.
- All new Opera Version 5 fields have been added to tables currently in the DataLink.
- This release also includes numerous minor enhancements and fixes

New Features 4.2 (January 2008)

- This release includes numerous minor enhancements and fixes.
- The Relationship tables have been exposed.
- Articles can now be accessed via Financial Transactions.
- Profile Requests are now available and can be accessed via Profiles.
- The OVOS Rental Contracts table has now been exposed.

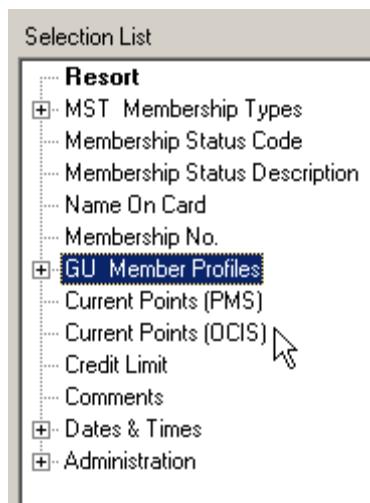
New Features 4.1 (February 2007)

- This is the last Infor release. Jonathan Griffiths and Simon Higgins finish with Infor before the next release and all future releases and Serduct/Datalink support will come from MICROS UK. We would like to thank all those that helped us get Q&A for Opera to the successful state that it is now with over 500 sites and 1000 hotels globally. In particular I would like to thank Judy Stannard, Don Stilwell, Damien Murphy, Felicitas Maria Sarciat, Alex Almarza, Angelique Waldron and the RedLion team and Franklin Gentry, consultant at MGM Mirage.
- Various enhancements have been made to Memberships
- Q&A now allows for the reporting of multiple rate codes on blocks as well as individual reservations in a detail or summary report format.
- This release has had rudimentary testing completed for Opera v4.5. Whilst very little v4.5 functionality has been included, there should be no loss of existing functionality through us of this release.
- The Last Rate function from Profiles has been fixed so that it will work in the same way as Last Room.
- As some sites now have both ORS and Multi-property PMS in the same schema that use the same tables, share others and use different tables for reporting we have added

a Product Task to enable switching between ORS and PMS data in the same workbook or worksheet. Users can only "point" at either PMS or ORS data via Q&A User profiles due to the data population within the application design. This product task can be included in the report's macro to switch between the two in a worksheet or book that has both ORS and PMS data

New Features 3.3 (June 2006)

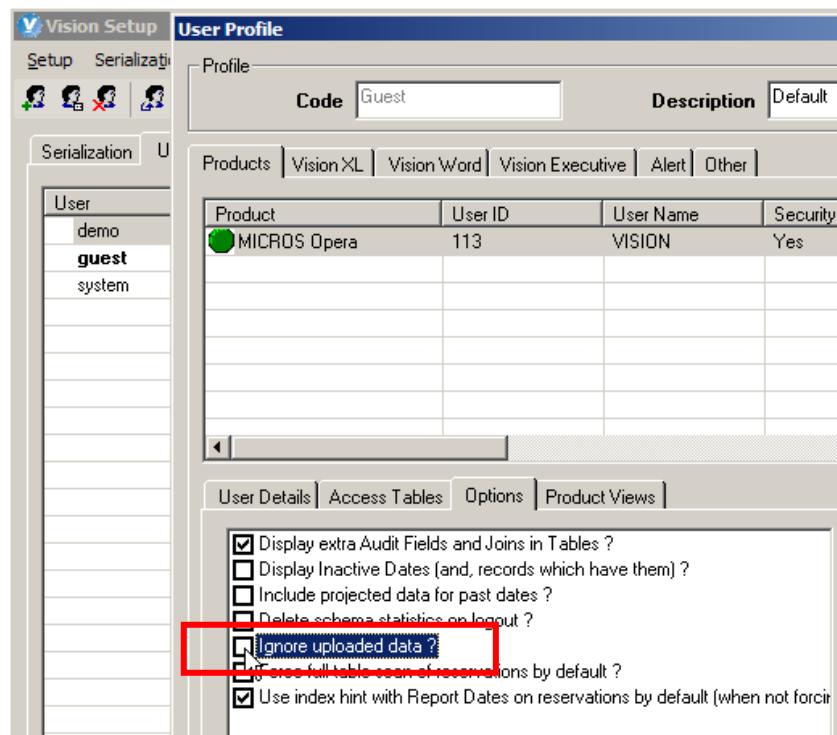
- It is vital that it is understood that the minimum Q&A version for this release is 6.3.1-1.
- There are, as usual, many changes inside the datalink that will not be immediately apparent to the user such as the major work enhancing performance in detailed or list type reporting.
- Profile Matching and Merging tables have been exposed in the datalink.
- There has been a substantial effort put into enhancing the Memberships module, with many thanks to Mukund Mohan for his help with this.
- The Q&A server objects tabled at the very end of this document are now wrapped.
- Certain fields that exist in both PMS and OCIS and/or ORS environments have been added or amended with the appropriate label as per below.



- There are also several new fields similar to some existing ones that are for Filtering Only or others Output Only. This means that the Filter Only fields cannot be used as Output and those as Output Only cannot be used as Filters.



- Outside of this datalink release, it should be noted that following the application of each Opera Patch, the datalink server side install should be run via Q&A Maintenance. Also, following an Opera Upgrade and whilst still in downtime, the synonyms in the Q&A schema must be refreshed via OPERA_SMT to allow for any new tables, fields or other objects to be used by Q&A. This of course means that the datalink server side install should be run after the synonyms are refreshed.
- Should you be connecting to an ORS/OCIS schema the Payments and Accounts option will be hidden as these are not relevant in this scenario.
- A new Option in Q&A Setup, User Profiles allows all users attached to the edited Profile to Ignore Uploaded data. Q&A uses the population of the STAY_RECORDS table to define whether the reporting is to be PMS or ORS/OCIS based. Should you have a dual PMS/ORS schema and wish to report on PMS then this option for you PMS User (User=PMSJSmith) must be checked, conversely not checked for ORS/OCIS (User=ORSJSmith). Also, occasionally there are "stray" records in the STAY_RECORDS table that this option will override.



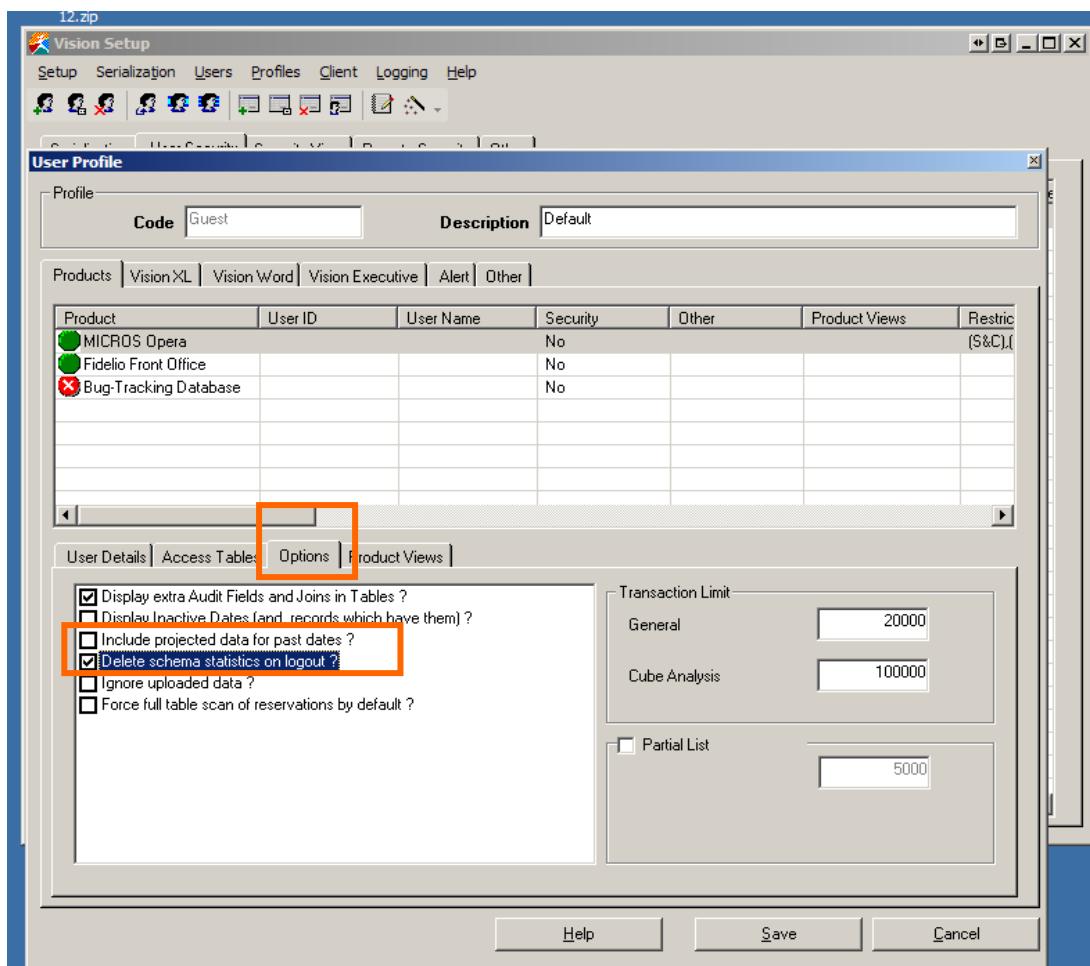
New Features 3.2 (March 2006)

- The initialisation process during Q&A logon has been modified to speed up the process. Especially for large schemas, it could appear to be somewhat slow. This has been enhanced by up to 70%.
- Addition of Reservation Receipts table to the Reservation Table Group.
- Recognition of intra-reservation changes for rate-code, room, etc., when reporting revenue & occupancy (not available for OCIS/ORS data). This means that in a list base report over a guest stay from RSV Reservations, you will see the Rate Code changes over the stay dates if it exists.
- Property (Resort) hierarchies can now be shared between tables.
- Faster filtering on Insert Date used in the Reservations Turnaway table.
- Profile A/R numbers now take into account the Property (Resort) in the filter window of the report definition. This allows the reporting of different A/R numbers that exist for the same Company or Agent for different Properties.
- Default Tax Types will now respect the property (Resort) selected in the filter window.
- Several internal Q&A datalink enhancements such as making Property level security compatible with Property Hierarchies, adding the Cancel feature for Server Side Install and enhancements to Server Side install checks.
- All issues with Filtered Columns usage have been fixed. For technical reasons two filter items cannot be used, Resorts and Business Date (Output Only).
- Routing Instructions has been enhanced in a number of ways including the addition of the Transaction Codes (Description) field.

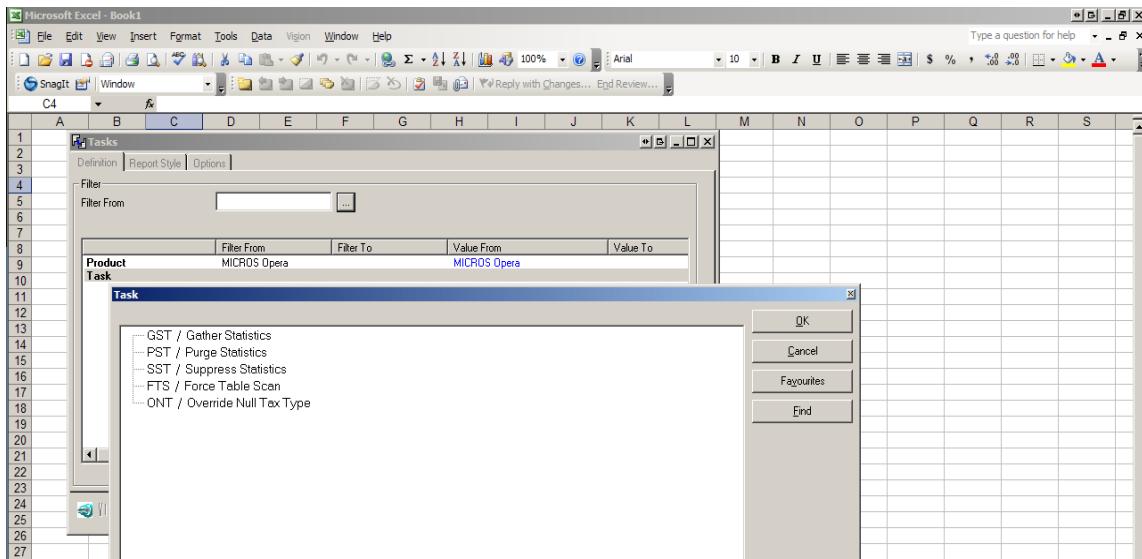
New Features 3.1 (October 2005)

- Serialisation details in the back end have been changed to allow for concurrent Q&A serialisation as well as the Multi-Property enabler model.
- This serialisation change means that a new Serialisation Code must be ordered prior to upgrade and loaded at the time of the datalink upgrade.
- PERFORMANCE and COST BASED OPTIMISATION
- There is an extra table, LASAG_C39_STAT_TAB, which is used to store the statistics while they're not in the SYS tables (such as sys.hist_head\$). This extra table is created in LsAlchemy-C39 Stat Table.sql which is called as part of the server install.
- LsAlchemy-C39 Opera Gather Stats Server.sql populates it in a two-stage process; first, it does a normal dbms_stats.gather_schema_stats putting data straight into the SYS tables, then it exports the data into LASAG_C39_STAT_TAB.
- UserOption04, defined in LsAlchemy-C39 Opera ClientSide Scripts.sql and called 'Delete schema statistics on logout ?' triggers the deletion the stats from the SYS tables (but not from LASAG_C39_STAT_TAB) at the end of a Q&A session. The actual job of deletion at the end of the session is done in LsAlchemy-C39 Opera Termination Server.sql. If, for any reason, the Q&A session does not end cleanly (e.g., someone terminates Excel through Task Manager), then LsAlchemy-C39 Opera Termination Server.sql will not be run. In this case, the deletion of these

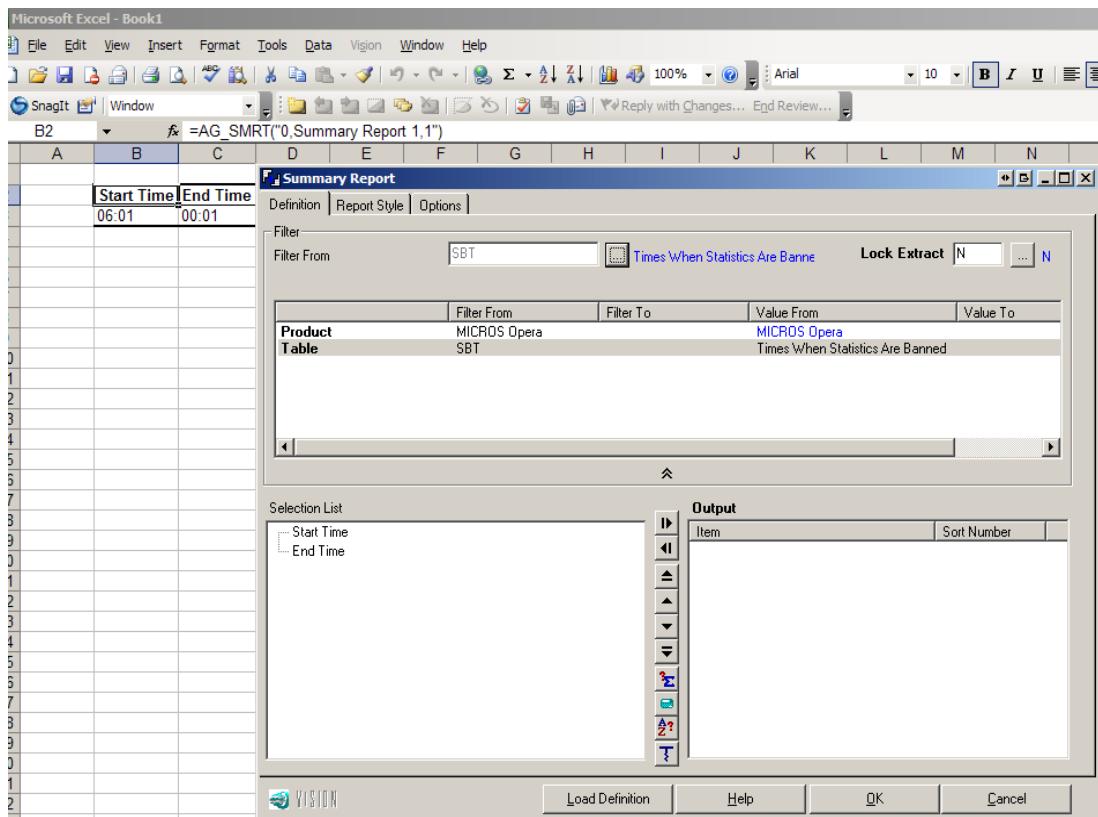
stats can be done manually, through the product task Purge Statistics, which is implemented in the script LsAlchemy-C39 Opera Purge Stats Server.sql. If 'Delete schema statistics on logout ?' is enabled, then, when LasAg_tag_pack.Populate_LasAg_Tag_Table is called at login, the last thing it does is call dbms_stats.import_schema_stats. This call is implemented in LsAlchemy-C39 Opera TagPack Script.sql. All the SQL script files with 'Server' in their name, including, but not limited to the ones mentioned above, are called by way of a SQL*Plus session invoked from a DOS prompt, created by VbScript. The VbScript to do this has now been centralised in one new file, LsAlchemy-C39 Opera Common SqlPlus Wrapper.sql, whose routines are called from all the .VBS script files in the datalink.



- In addition, we've got the requirement for defining time windows when stats can't be used. To support this, there's a new product task, 'Suppress Stats'. This requires 'Admin' rights at the datalink level (though not at the Oracle level or the Opera level). The work of this task is done in a new script file, LsAlchemy-C39 Opera Suppress Stats.sql. This task takes as inputs two a 'from' time and a 'to' time in the format HH24:MM. If either one of these times is blank, that time is read as midnight (i.e., '00:00'). If both these times are blank, then the product task will delete all the existing time restrictions on stats. To get Q&A to accept a blank, you have to enter one or more space characters, rather than nothing at all. You are allowed to have a start time later in the day than the end time (e.g., from 08:00 to 01:00). The restrictions are stored in the Lasag_c39_tag_table, with a session_no of NULL. During login, when the datalink is deciding whether to import statistics, it will first check whether the current system time falls within any of the 'banned' periods stored in Lasag_c39_tag_table. You can store as many such restrictions as you like, and they are allowed to overlap.



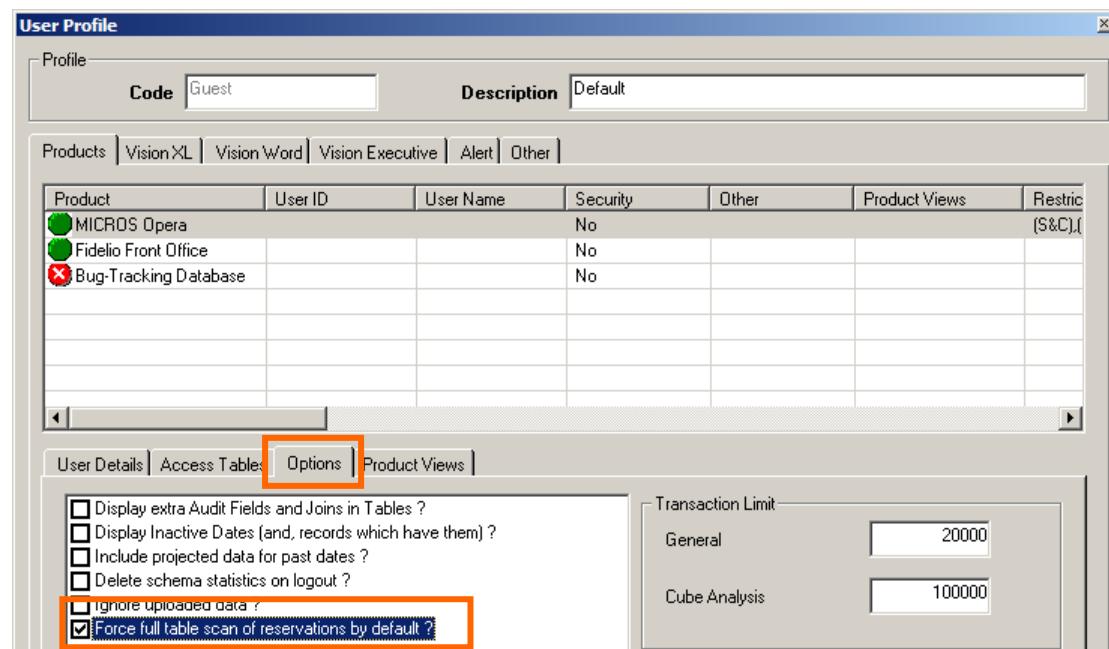
- You can view the stored restrictions in a new table at the bottom of the 'Administration' table group, which is only visible when UserOption04 is set. Note that these restrictions are only checked at the point when a user logs in; if a user is already logged in (and has already imported statistics) at the point when a restricted period begins, then those statistics will remain in place until that user logs out, or until someone runs the Purge Statistics task.



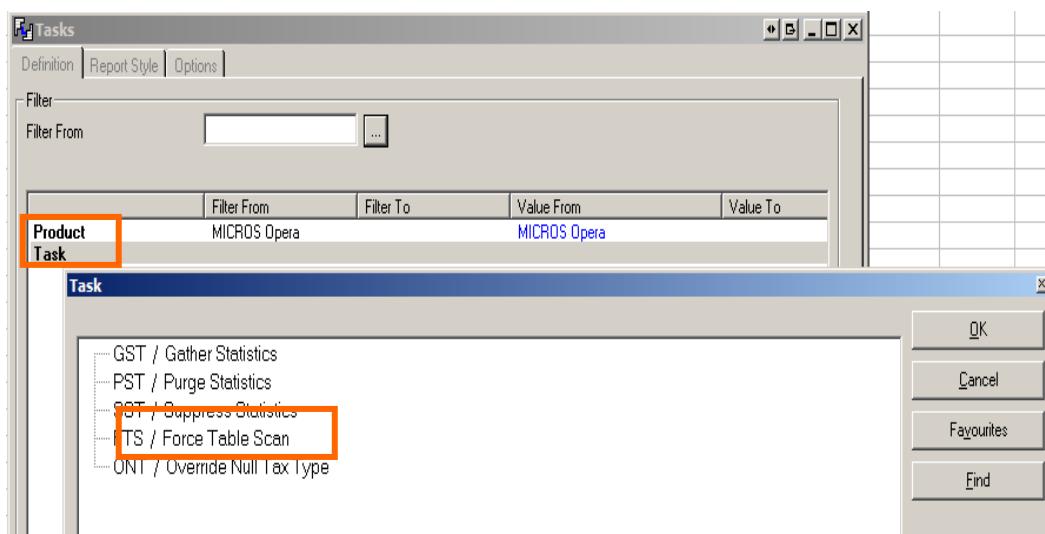
- OTHER
- Server side datalink install did not support DSN-less connection and now does.
- To extend the options for performance tuning, there are now two devices by which a user can cause the datalink to force a table scan of RESERVATION_NAME.

Note: In general, users should NOT force a table scan of RESERVATION_NAME; these devices should only be used when testing has shown that forcing the table scan really does enhance the performance of some particular report which uses Reservation data. Even then, users should bear in mind that forcing the table scan may actually impair the performance of some other report on the same table.

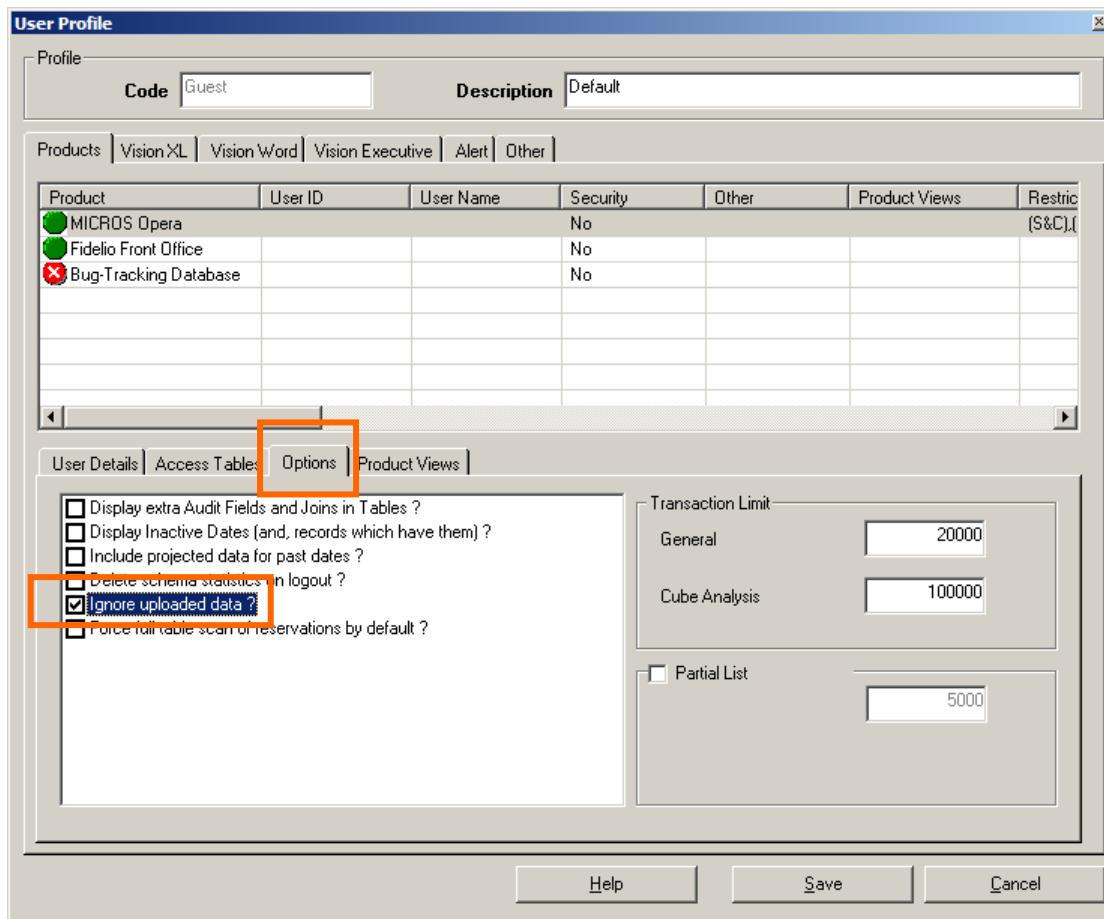
- One device is a new user option in Q&A Setup -> User Profiles. This might be appropriate if the report found to be helped by the table scan is always run by a particular user, who doesn't run many other reports or enquiries.



- The other is a new datalink task. This task has a Y/N parameter, so the same task can be used to switch the scan-forcing off. The task takes effect only within its own Q&A session; if you log back in, Q&A reverts to the preference as defined in the User Option from the User Profile. This would be more appropriate if you wanted to enforce the table scan for one particular report, or even one particular query within a worksheet, and then switch it off again so that it doesn't adversely effect other Q&A queries.

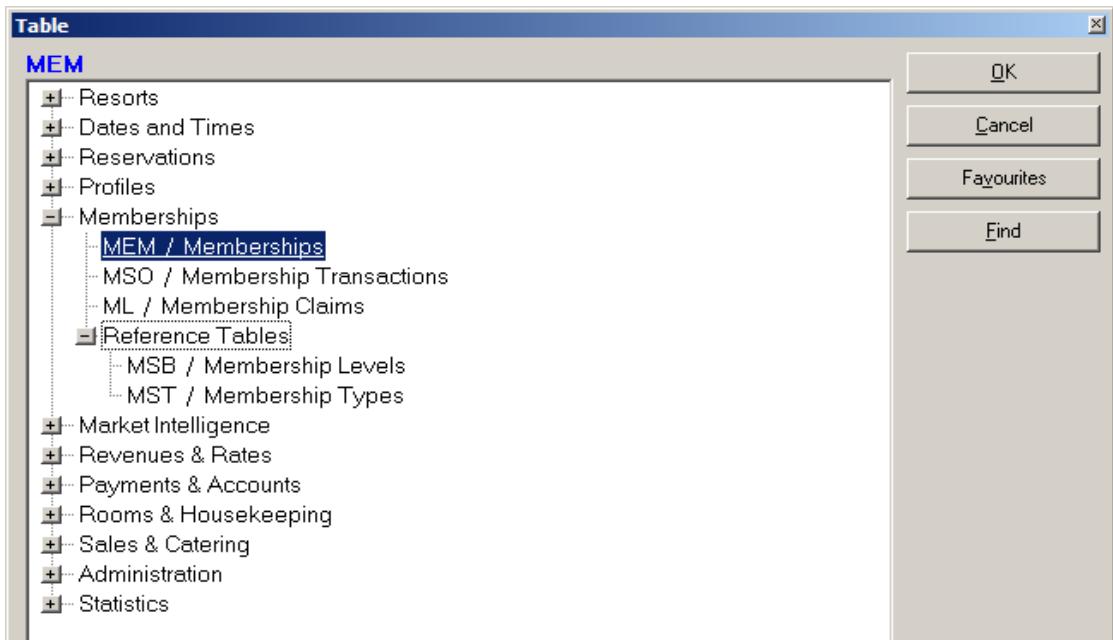


- User Option added in Q&A Setup -> User Profiles to ignore Uploaded Revenue. This is required so that, in a mixed PMS/ORS environment a user can opt to have full access to the PMS data (i.e., the 'actuals', in Reservations), even though there are STAY_RECORDS rows present for ORS. As PMS and ORS populate different tables in different ways, you can report from either PMS or ORS by User. When tied with the concurrent connections serialisation this will allow user based reporting on either PMS or ORS but not both at the same time.



New Features 2.6 (June 2005)

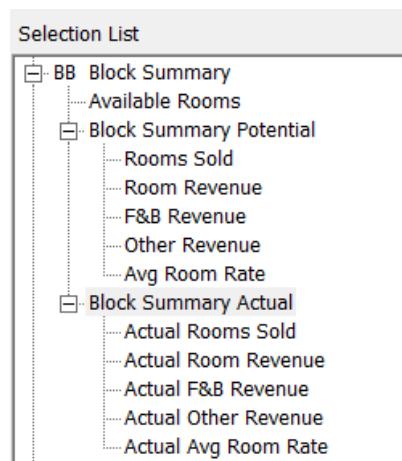
- A major new feature added to this datalink is the ability to create a non-invasive install of both the Q&A Oracle objects and the datalink server side install. This means that you can now either create the Q&A related Oracle objects in the Opera schema or in a separate schema. It is not recommended that Microsoft Access be used as the Q&A database and all installations should use Oracle for this purpose. For more information, please see the Installation Addendum.
- The inclusion of the Memberships module allows for detailed reporting and analysis of Frequent Flyers and Loyalty programs from Q&A. There is a separate table grouping for Memberships with a joins to GU Individual Profiles and the Membership reference or configuration tables.



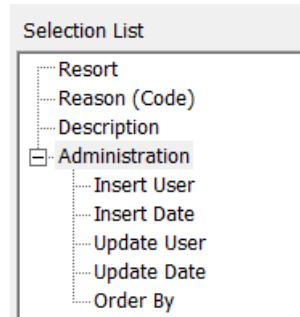
-
- The RESERVATION_HISTORY table has been added to the datalink. It is a separate table but does have joins to various configuration / reference tables. The purpose of this addition was to make pre-Opera history available if these records were imported into Opera during the installation process.
- Changes and additions were made in order to be able to report on Financial Transactions differently. In response to Spanish and Latin American tax legislation, we made it possible to extract and summarize financial data with complete accuracy by the Payee of the folio, account or "window", irrespective of who stayed or what types of profiles were attached.
- With regards to multi-property PMS sites, you can now use Q&A for a multi-property Accounts Receivable Aging report, looking at all properties AR or a user definable portion of it.
- For administrative purposes, 02.006 have additional tables for reporting on Users and User Permissions as well as several new tables for analysing the various User Logs or ACTION tables. These include Reservation Action, Profile Action, House Keeping Action and Configuration Action.
- Enhancements have specifically been for ORS reporting with respect to suspended accounts, stage profiles and subscriptions. These changes whilst at the request of an ORS site may be useful in PMS sites as well.
- A large number of other miscellaneous changes have been made to tables with additional fields and name changes. Please see the sections below on Added and Changed Tables.

Added Tables 5.12 (March 2015)

BB Booking Summary (only available via BLK – Allotments & Bookings when User security is active)



AFR A/R Flagged Reasons

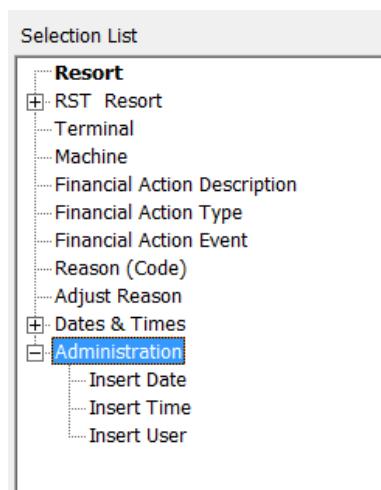


Added Tables 5.11 (January 2014)

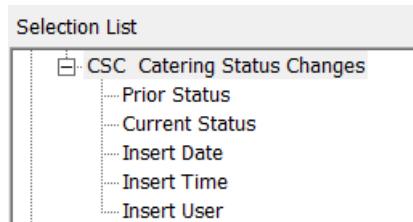
FTA User Financial Activity

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Added Tables

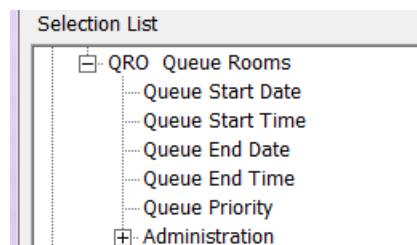


CSC Catering Status Changes (only available via BLK Allotments & Bookings)



Added Tables 5.10 (March 2013)

QRO Queue Rooms (only available via RSV Reservations)

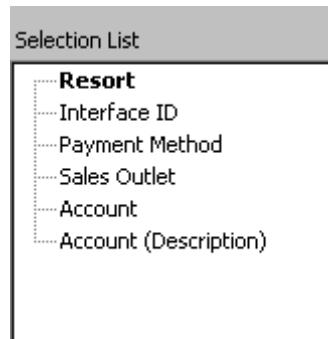


Added Tables 5.9 (November 2012)

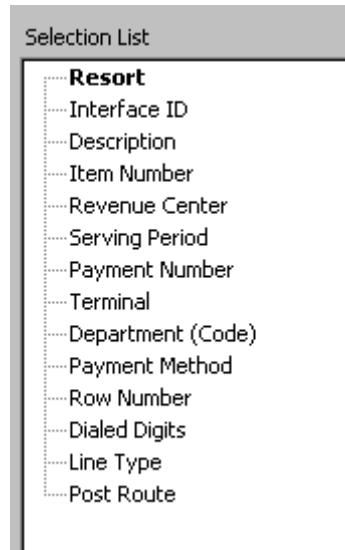
There have been no new tables added in this release.

Added Tables 5.8 (April 2012)

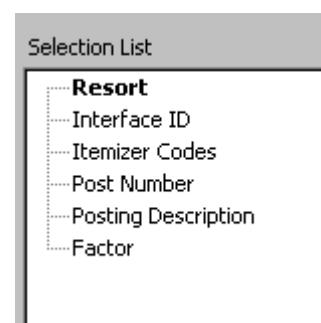
IPA Posting Accounts



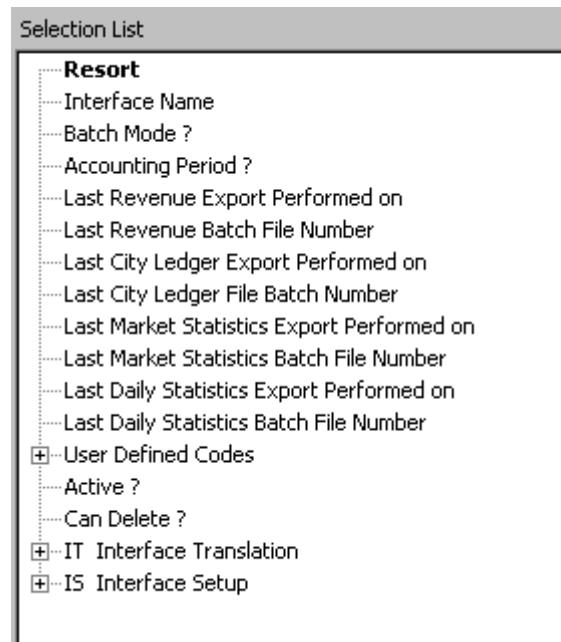
ITC Transaction Codes



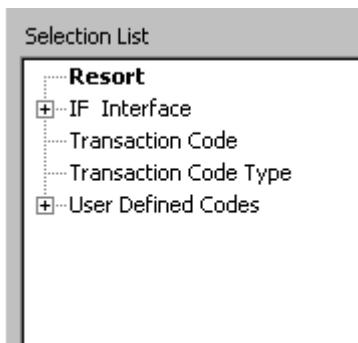
ISI Sales Itemizers



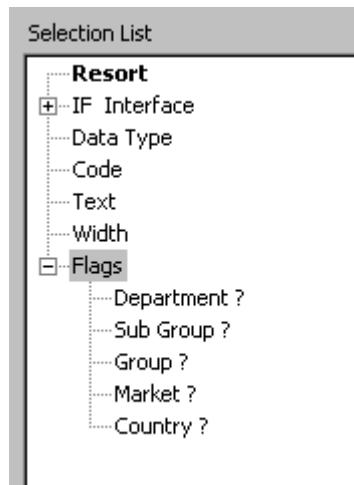
IF Interface



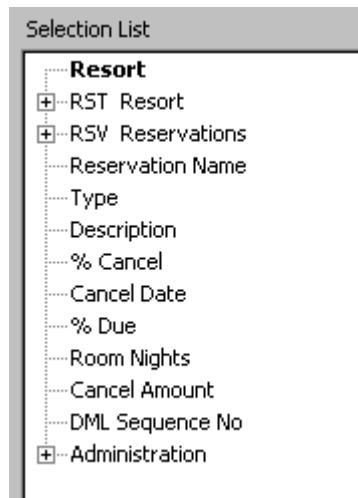
IS Interface Setup



IT Interface Translation

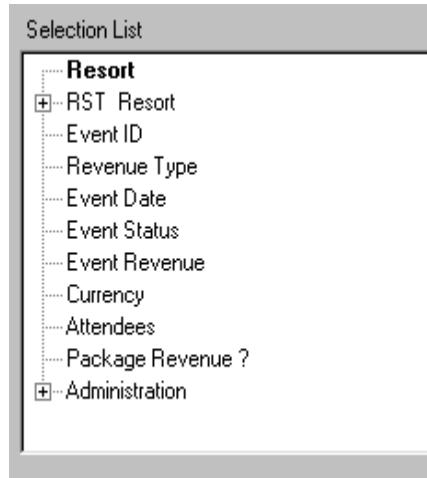


RCP Reservation Cancel Policy

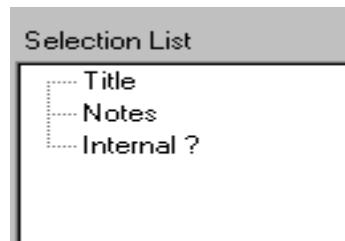


Added Tables 5.7 (August 2011)

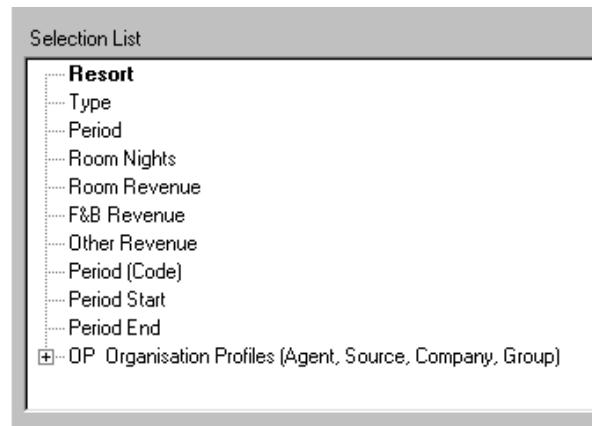
EC Event Changes



ERN Resource Notes

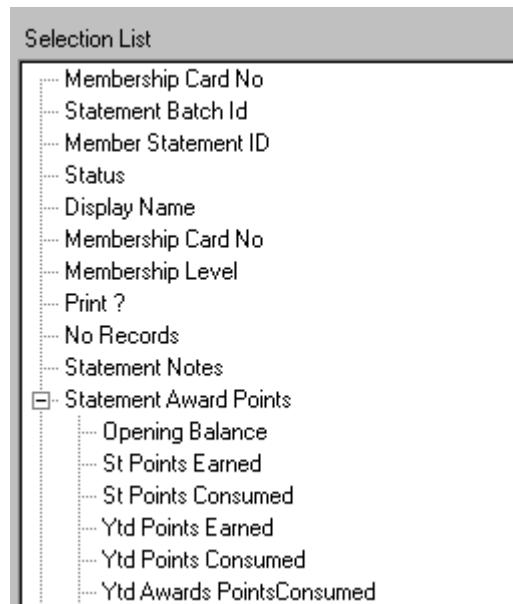


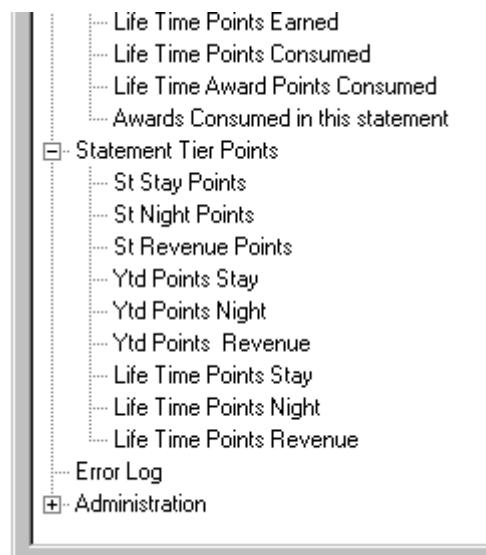
BPF Potential Business Forecast



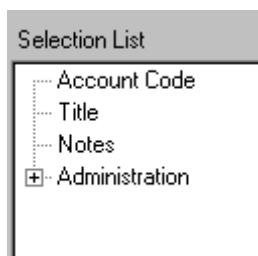
Added Tables 5.6 (February 2011)

MSN Membership Statement Details



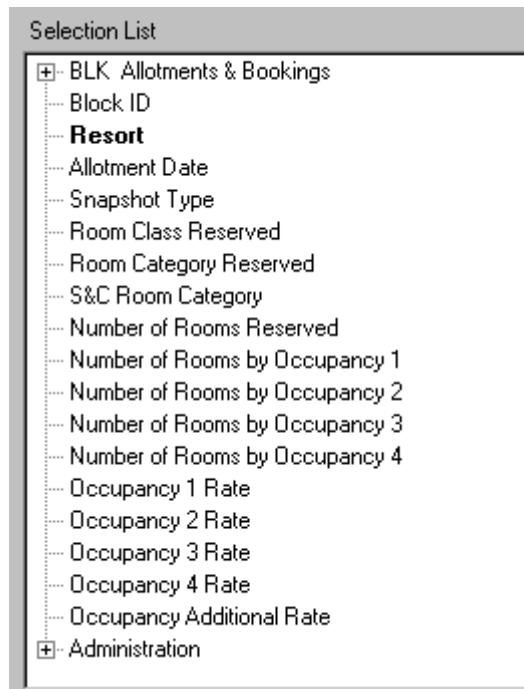


ARN A/R Notes

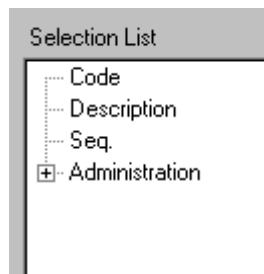


Added Tables 5.5 (September 2010)

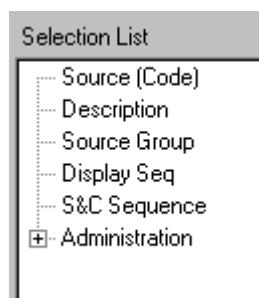
ASN Allotment Snapshot



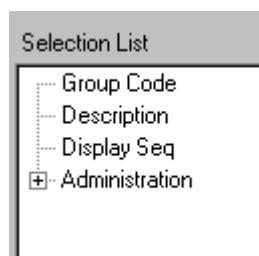
- EL Origin (Code)



- SCD Source (Code)

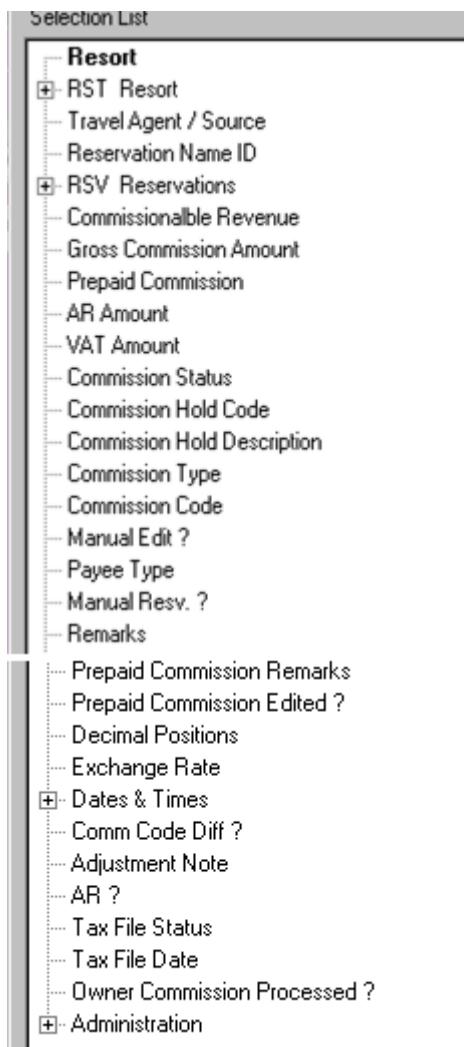


- SGP Source Group

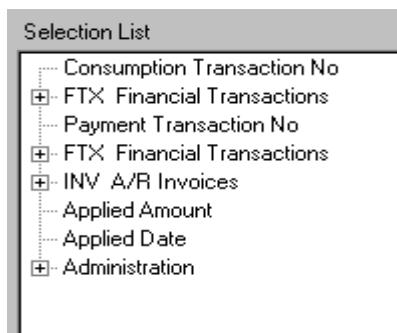


Added Tables 5.4 (June 2010)

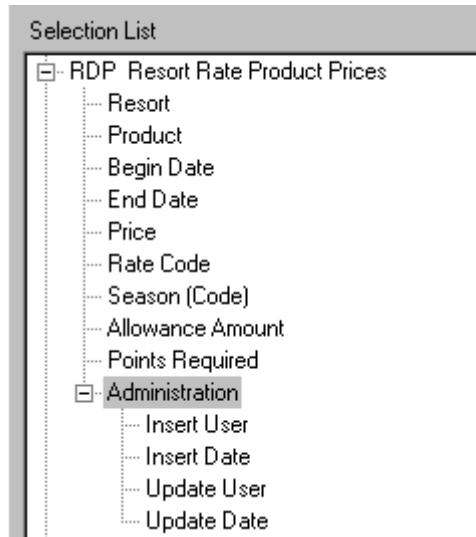
- CC Commission Commissions



- PA Payment Application



- RDP Resort Rate Product Prices (available from PU Products only)

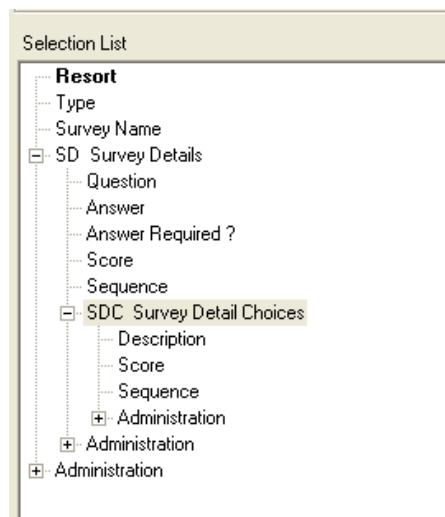


Added Tables 5.3 (December 2009)

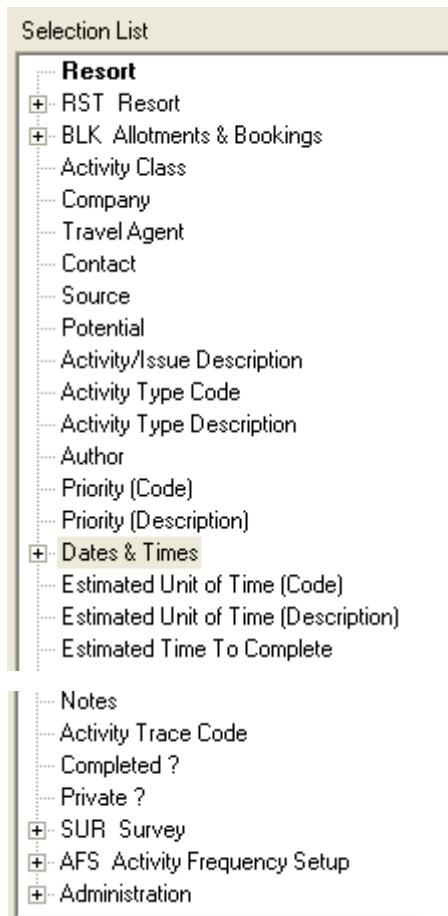
- There are no new tables in this release

Added Tables 5.2 (July 2009)

- SUR Survey, SD Survey Detail, SDC Survey Detail Choices



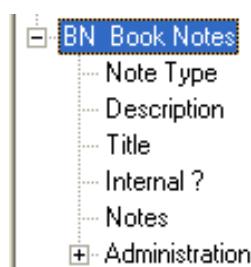
- ACT Activities



- NTS Number To Sell Limits



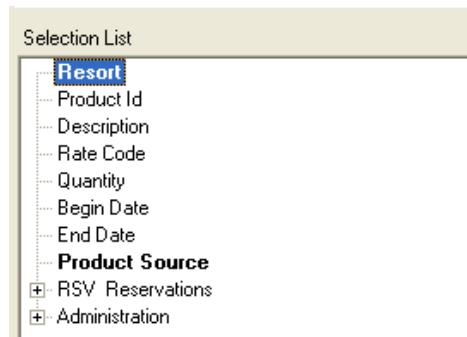
- BN Book Notes – only accessible via Allotments & Bookings



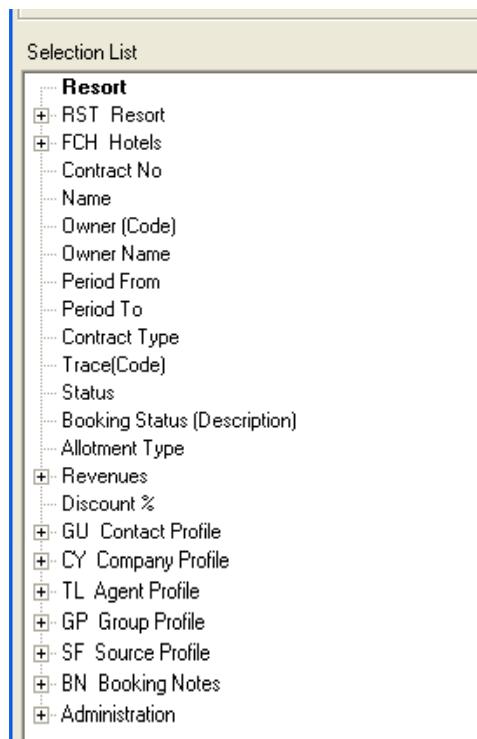
- RHN Negotiated Rates – only accessible via Company Profile



- RVP Reservation Products

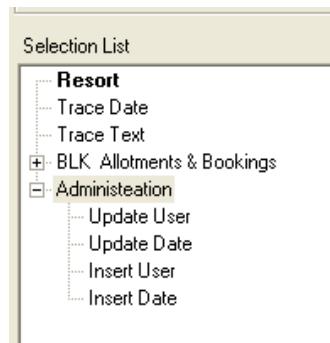


- FC FIT Contracts

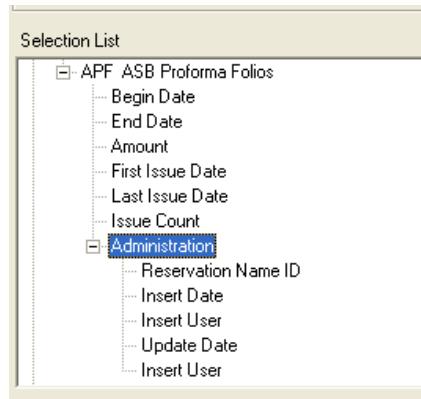


Added Tables 5.1 (October 2008)

- AT4 Allotment Traces

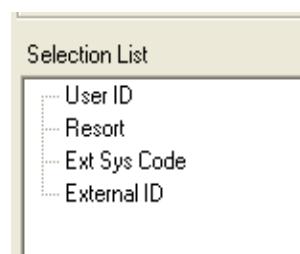


- APF ASB Proforma Folios (accessed via Reservations only)

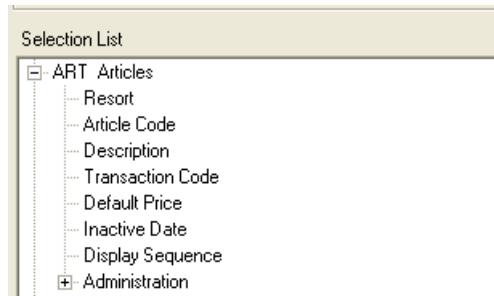


Added Tables 4.2 (January 2008)

- ESU External System Users



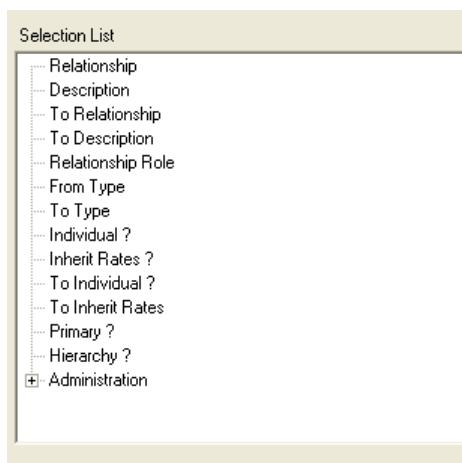
- ART Articles (only accessible via FTX Financial Transactions)



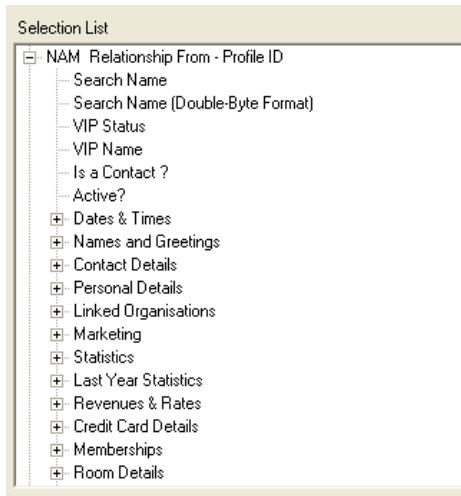
- NX Relationships



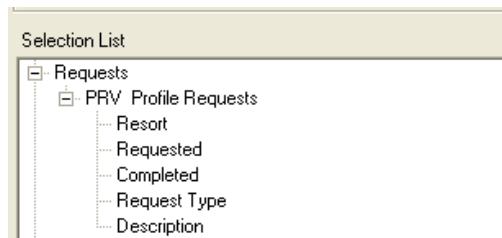
- NTX Relationship Types



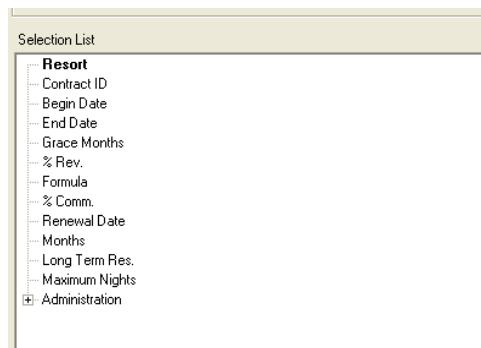
- NAM Relationship Profile (only accessible via NX Relationships)



- PRV Profile Request (only accessible via Profiles)

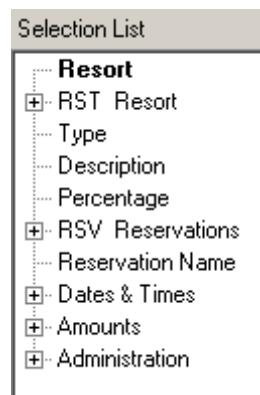


- ORC OVOS Rental Contracts



Added Tables 4.1 (February 2007)

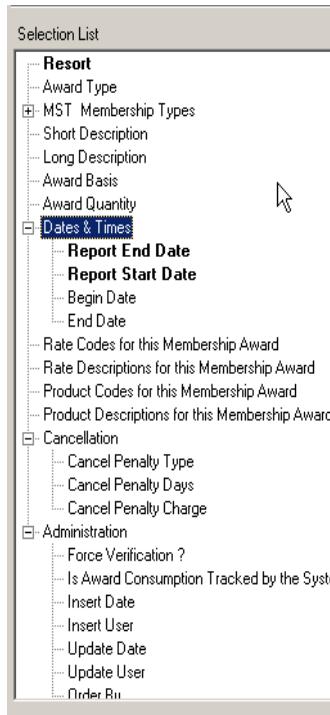
- RD Reservation Deposit Schedule



Added Tables 3.3 (June 2006)

MEMBERSHIPS

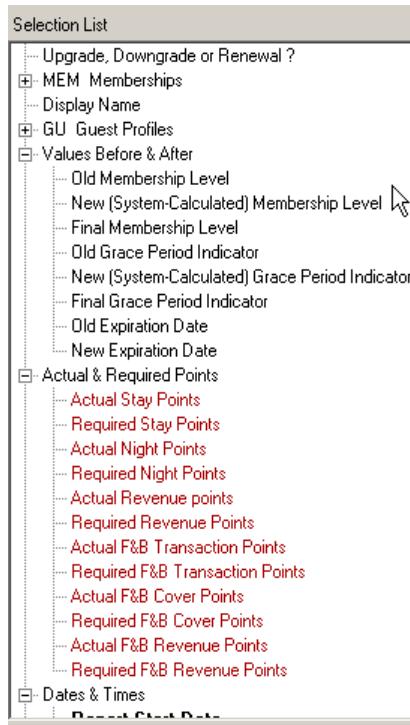
- MEMBERSHIP_AWARDS (MB Membership Awards) where the Awards are configured with a join to MST Membership Types.



- MEMBERSHIP_ISSUED_AWARDS (MU Memberships Awards Issued) with joins to MEM Memberships, MST Membership Types, MB Membership Awards



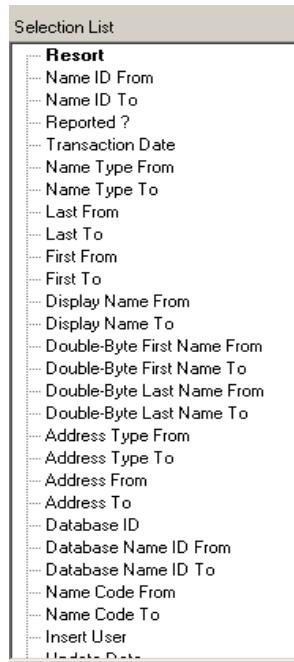
- MEMBERSHIP_UP_DN (MUD Membership Upgrades and Downgrades) joins to MEM Memberships and GU Guest Profiles.



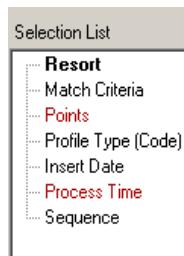
- New Profile Match and Merge tables in the Administration section of the datalink table groupings.



- NAME_MERGE_LOG (NML Profile Matching and Merging) to show what merging has been carried out in OCIS environments.



- PROFILE_MATCH_STATS (PMS Profile-Matching Statistics) shows that match statistics based on the user configuration for matching and merging profiles.

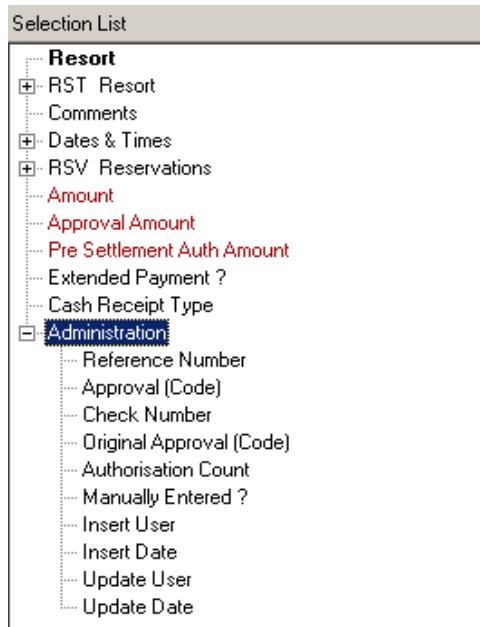


- If you use the 'Transaction Codes' field in Transaction Code Arrangements, that gives you a comma-separated list of all the transaction codes from Transaction Code Arrangement Details which belong to that arrangement. They're brought back via a function call, not a join, so that you can still join the arrangement to some other table without double-counting. Add a list of transaction code descriptions alongside the list of transaction codes in the parent table. More thought could be needed about child_arrangement_id - what's it for? (14/10/05 10:44 - Jonathan -While we're at it, we could do with a lookup on Arrangement Type in Transaction Code Arrangements)

Added Tables 3.2 (March 2006)

RESERVATIONS

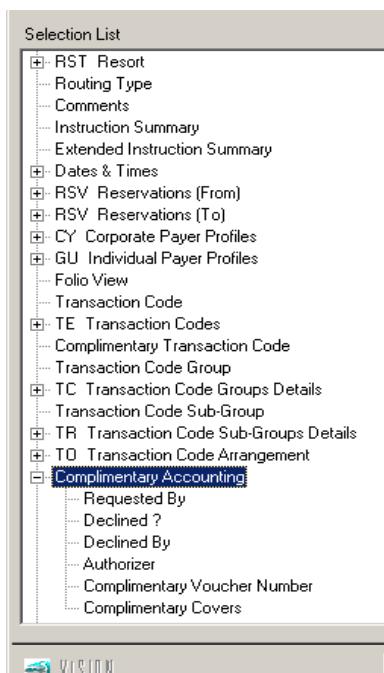
- RESERVATION_RECEIPTS (RVR Reservation Receipts) with a join to RSV Reservations



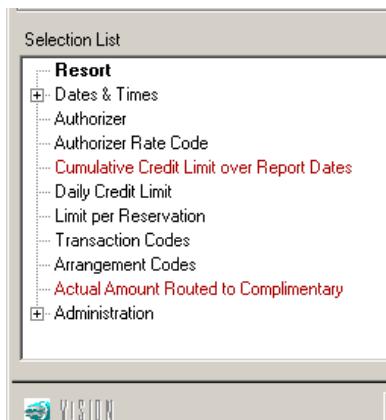
Added Tables 3.1 (October 2005)

COMPLIMENTARY ACCOUNTING

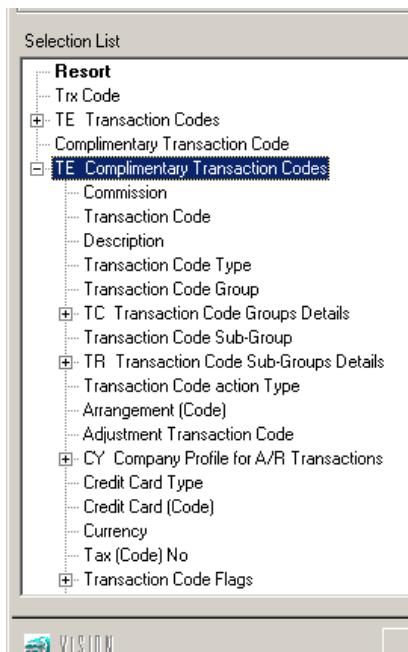
- Reference tables:
 - TRX\$\$_CODE_ARRANGEMENT Table for routing code setup including comp routing codes
 - AUTHORIZER\$\$_LIMITS_DETAILS Table containing detailed authorizer configuration setup;
 - TRX\$\$_CODES_COMP_XREF Table containing mapping of transaction codes to comp transaction codes
 - [modifications to] TRX_ROUTING_INSTRUCTIONS Table containing all routing instructions linked to reservations, including comp routings.



- Table TO/ Transaction Code Arrangements has an added field Complimentary ?
- Table TRI/ Transaction Routing Instructions - renamed field 'Is Package Routing ?' to Routing Type, with new lookup; - added fields 'Comments' and 'Instruction Summary'; - added field group 'Complimentary Accounting', and the fields within it.
- Instead of adding COMP_ROUTING_VIEW as a separate datalink table, TRI/Transaction Routing Instructions has been extended so that it gives access to all the information in that view (some of it via joins to Reservation and Profile tables).
- Added table ALD / Authorizer Limits based on AUTHORIZER\$_LIMITS_HEADER and AUTHORIZER\$_LIMITS_DETAILS, but with function added to emulate the display of actual COMPing vs. limits in the Opera front end, plus the option to aggregate these numbers over the report window.



- Added table TCX / Complimentary Transaction Code Cross-Reference



- Omitted COMP\$_TYPES for now because, as described, it is a 'future table', and is not in use yet.

OPERA VACATION OWNERSHIP SYSTEM

- Reference tables added:

- e. OVOS Contract Fees
- f. OVOS Contract Points
- g. OVOS Contract Tasks (i.e., Housekeeping)
- h. OVOS Contract Insurance
- i. OVOS Resort Insurance - small reference table exposed only through a join from OVOS Contract Insurance.

These are joined to OVOS Contracts, but not to each other (to avoid double-counting issues).

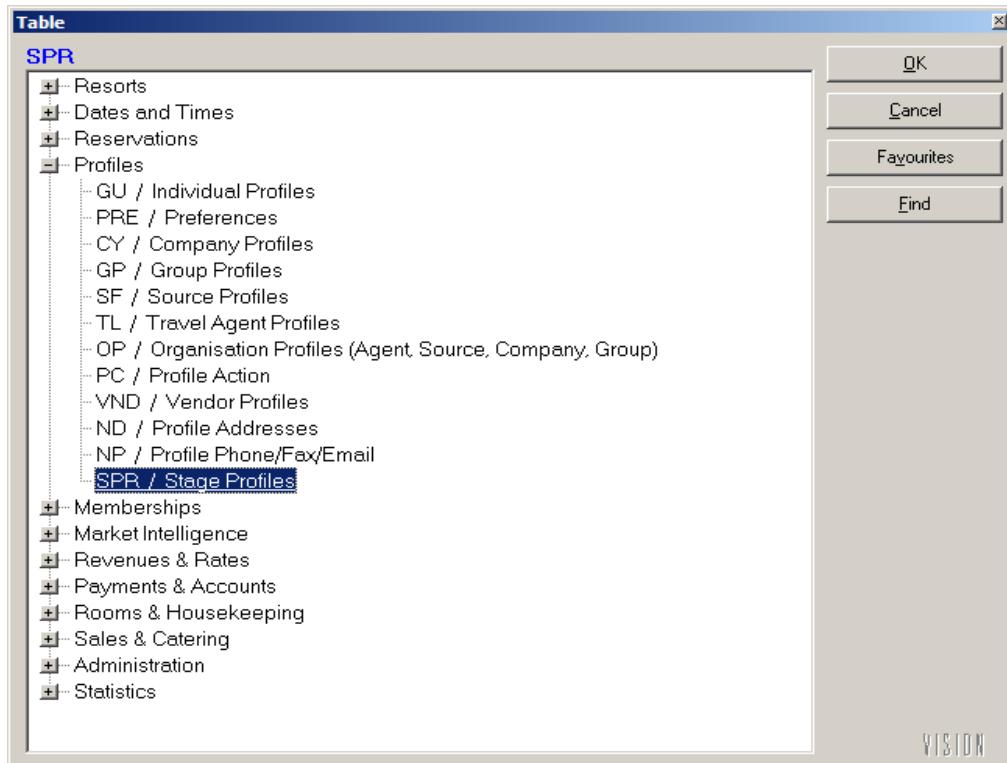
- Transaction data tables: OVOS_CONTRACTS is the closest thing to a transaction table. The actual numbers are held inside OVOS_REV_DEDUCTIONS, which is not exposed directly, but in three function calls just after the Dates & Times section in OVOS_CONTRACTS.
 - j. If you use the join from this table to Reservations, the numbers returned by these three function calls break down by reservation; otherwise, they will be totals per contract.
 - k. There's no Report Window on this table, because Report Windows are used for accrual of revenue day by day, whereas OVOS revenue is only recorded in lump sums the night after checkout.

OTHER

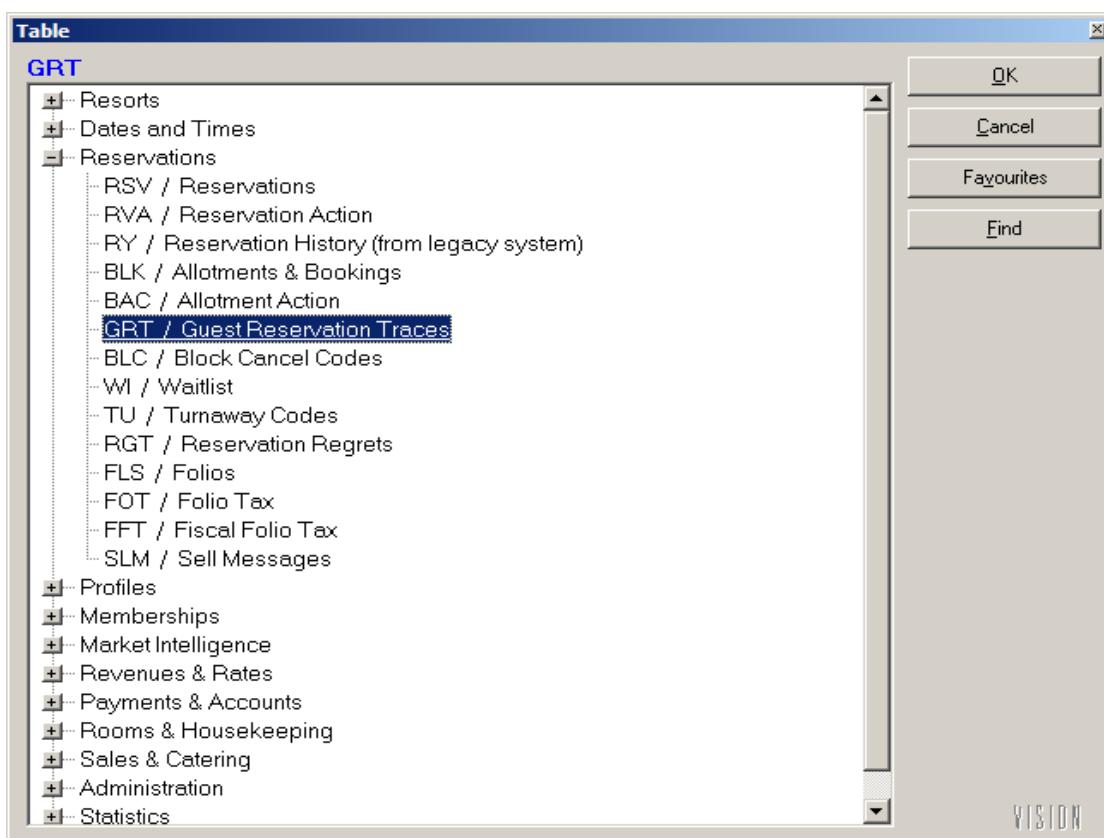
- Add Contact Profile under Profiles (same structure as Individual)

Added Tables 2.6 (June 2005)

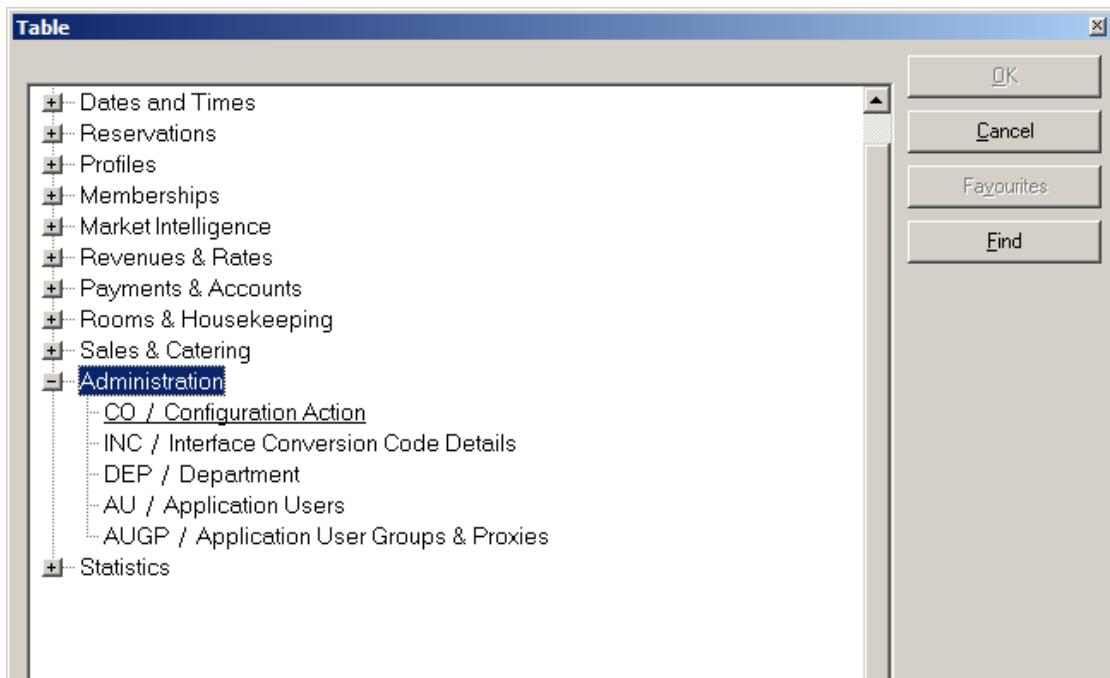
- Stage Profiles



- Profile Addresses (above). This table and Profile Phone/Fax/Email allow for enhanced reporting on Profile data.
- Profile Phone/Fax/Email (above)
- Profile Action
- Preferences (acts the same as product prices on the previous page)
- Memberships (Loyalty and Frequent Flyers)
- Memberships
- Membership Transactions
- Membership Claims
- Reference Tables – Membership Levels & Types



- Reservation History
- Reservation Action
- Guest Reservation Traces
- Reservation Action
- Allotment Action
- Dates & Times -> BU Business Date



- Configuration Action
- Department (user Configuration)
- Application Users (Opera)
- Application User Groups & Proxies



Changed Tables

Changed Tables 5.12 (March 2015)

- The Company OR Name ID field has been added to RL – Reservation Daily Statistics table
- Total Revenue by Occupancy 1,2,3 & 4 fields added to ASN – Allotment Snapshot table
- Commission Percentage added to RRE – Rate Header table
- Forecast Catering Revenue added to GV – Event Revenue
- Allotments & Bookings now joins to BB – Block Summary
- Account Status and Flagged Reason Code fields have been added to AAC – A/R Accounts
- Envelope Greeting field added to GU – Individual Profile and CNT – Contact Profile
- Insert User field added to FTX – Financial Transactions
- Min & Max Days Advanced Booking fields included/corrected on RTH – Rate Header
- Guest Privacy ? field on Profiles amended to show Yes/No/Blank

Changed Tables 5.11 (January 2014)

- The Company ID field has been added to the RSM – Reservation Summary table
- The Floor field on the RM – Rooms table has been amended to show the correct information
- The Length of Stay (Nights) field has been added to the RY – Reservation History table
- A lookup has been added to the Insert User field on the RSV - Reservations table
- A join to CSC – Catering Status Changes has been added to the BLK – Allotments & Bookings table

Changed Tables 5.10 (March 2013)

- The Goal Type, Activity Number, Production Start Date and Production End Date fields have been added to the SGL – Sales Goals table
- The lookup on ND – Profile Addresses, Address Type field has been amended to show the correct information

- The Commission Code and Value fields have been added to the RHN – Negotiated Rates table
- The lookup on RM - Rooms, Room Status field now includes PU - Pick Up and IP – Inspected
- The All owners field has been added to TL – Travel Agent Profile table
- A join has been added from RSV – Reservations to QRO – Queue Rooms
- Communication details have been added to GU – Individual Profiles

Changed Tables 5.9 (November 2012)

- The Comments field has been added to the FTX – Financial Transactions table
- The Agent and Company fields have been added to the RSM – Reservation Summary table
- A join has been added from IS – Interface Setup to TE – Transaction Codes
- The Display Doorcard ? field has been added to the EVT – Events table
- The destination Description field has been added to the BLK – Allotments & Bookings table
- The Name 2 and Name 3 fields have been added to the OP – Organisation Profile table

Changed Tables 5.8 (April 2012)

- The Insert User and Update User fields have been added to the EVT – Events table
- The Length of Stay field has been added to the HD – Hurdle Rates table
- The Guest Type field has been added to the RSV – Reservations table
- The incognito First and Last names have been added to the GU – Individual Profiles table
- The Track It Group, Ticket Number and Track It Type have been added to the RSV – Reservations table.
- The User Defined numeric fields have been made visible on the RSV - Reservations table when access via the FTX – Financial Transactions table.
- A join has been added from BLK - Allotments & Bookings table to Contact 3 Profile.
- The Mailing List? field has been added to CNT - Contact Profile
- The Pick Up Time and Drop Off Time fields have been added to RSV – Reservations Table

Changed Tables 5.7 (August 2011)

- A join has been added from BLK – Allotments and Bookings to AT4 – Allotment Traces
- The field Posting Allowed has been added to the Reservations table
- The Pseudo field has been made a mandatory filter on the Reservation Daily Statistics, Forecast Summary and Reservation Summary tables
- The Amount fields on the Commission table is now available when accessed from the Reservations table
- The Confirmation Letter table has been made available for all report types
- The Confirmation letter table has had all fields made available
- The field Web Bookable field has been added to the Products table
- The Rate Set table is now available for Data Link queries
- The ERN - Resource Notes table is now available from the EVT - Events table`
- A new field has been added to the NX – Relationships table to show a comma separated list of Relationship To Profile IDs in summary reports
- A join has been added from ACT – Activities to CY – Company, for the primary company associated with the activity
- A join has been added from ACT – Activities to AU – Application User, for the Assigned to User
- A new field has been added to the RSV – Reservations table to indicate if there are attachments for the reservation. This flag is on available in Detail Reports.
- A new field has been added to the CNT - Contact Profile table to show Influence Codes
- A join to Sales Rep User has been added to the following profile tables : OP – Organisation, TL – Travel Agent, SF – Source, CY – Company, GP - Group

Changed Tables 5.6 (February 2011)

- The join from Negotiated Rates to rate Sets has been amended to show the correct values
- A join to the new table A/R Notes has been added to the A/R Account table
- The fields Enrollment At and Enrollment Source have been added to the Membership table
- The Market Code field will appear on the Reservation Pace table only when there is data present.

- The Trial Balance table has been renamed Financial Transactions Daily Summary as Trial Balance was miss-leading.
- The field Products(Codes) has been added to the Rate Sets table

Changed Tables 5.5 (September 2010)

- The A/R No field on Profiles has been amended to show the correct value
- The Display Set and Base Rate (Code) fields have been added to the Rate Header table
- The Insert User and Update User fields have been added to the Allotments & Bookings table
- The Insert Time field on Reservations has been corrected to function correctly when included as a filter
- The Birth Date field has been added to the Application User table
- The Update Time has been added to the Reservations table
- A join has been added from the Reservations table to the Application User table for Insert User
- The Last Rom field on the Individual Profile table has been amended to show the correct value
- The Resort field on the Rate Header Negotiated table has been made available
- A field showing a list of all associated Source names has been added to the Allotments and Bookings table

Changed Tables 5.4 (June 2010)

- A join to Travel Agent has been added to the Events table for the Primary Travel Agent.
- A joins to Negotiated Rates has been added to the following profile tables : Individual, Contact, Group, Source, Travel Agent, Organization and Vendor.
- The Method Due field has been added to the Allotments & Bookings and Super Block tables
- The Block ID field has been added to the Allotments & Bookings and Super Block tables
- A join to Payment Application has been added to Invoice Header table
- The join from Commission Payments to Agent Profile has been corrected to show both Travel Agent and Source details.
- The join from Travel Agent to Commission has been corrected
- A join to Resort Rate Product Prices has been added to the Products table

- The value fields on the Events Revenue table have been amended to show the correct values in summary reports.
- The Total Revenue field on the Event Packages table has been re-named Total Revenue per Attendee.
- A join to Payment Application has been added to the A/R Invoice table
- The Interest Descriptions field in the Individual profiles table has been corrected
- The Block ID field has been made visible in the Allotments and Bookings table
- The field Guest Name Suffix has been added to the Reservations table

Changed Tables 5.3 (December 2009)

- The Comments field has been made available on the Reservation Turnaways table.
- The lookup on the Resort field on the Number to Sell Limits table has been corrected.
- The lookup on the Resort field on the Relationships table has been corrected
- The Closure Date has been made available on the Financial Transactions table.
- The Original Begin Date and Original End Date fields have been made available on the Reservations table.
- The Preference Type and Preference fields have been made available on the Reservations table.
- The Mailing Action (Code) field on Individual, Contact and Owner Profiles has been amended to use the ActionCode parameter to determine the value to be shown.
- The A/R Accounts table has been amended to include the new functionality in Opera V5 that allows multiple addresses to be held.

Please note that these changes will make it necessary to re-add the address details to any existing reports for users that have upgraded to Opera V5.

Changed Tables 5.2 (July 2009)

- **The fields 'Has Requested No Mail' and 'Has Requested No email' on the Individual Profile, Contact Profile and OVOS Owner Profile have been amended to 'Has Requested Mail' and 'Has requested Email', and the logic has been corrected to match that used within Opera.**
- The Tax1 Number and Tax2 Number fields have been included in the Identification Details folder on all relevant profiles.
- The Follow-Up Date for Rooms field has been included in the Dates & Times folder on the Allotments & Bookings table.

- The Turndown field has been included in the Administration folder on the Reservations table.
- The Approval Code and Approval Amount fields on the Reservations table have been amended to show the correct details.
- A join has been added from the Allotments & Bookings table to Contact 2 Profile.
- The Reservations field on the Managers Report table has been corrected to be numeric and allow summing.
- The lookup for field Time of Action on the Reservation Action table had been corrected.
- The Purpose Of Stay field had been included in the Marketing folder on the Reservations table.
- The List of Groups field has been included in the Administration folder on the Reservation Action table.
- The Length of Stay Available and Days Rate Available groups have been added to the Rate Restriction table
- The Credit Card Surcharge field has been included in the Transaction Amount folder on the Financial Transactions table
- The Insert Time field has been included in the Administration folder on the Reservations tables.

Changed Tables 5.1 (October 2008)

- The following are new Opera Version 5 fields that have been added to existing DataLink tables.

Table	Group	Field
A/R Accounts		Agent
A/R Account Types		Owner Summary
A/R Invoices		Owner Cashbook Report
		Folio Text 1
		Folio Text 2
		Statement Number
		Owner Room
		Change Date
		Alias (Upper Case)
Allotment Action		Cancellation Penalty Amount
Allotments & Bookings	Payments & Accounts	Sub Allocation ?
	Administration	Keep Lead Control ?
		Attachment URL
		Lead Sent ?
		Allow Alternate Dates ?
		Tax Type
		Lost To
Booking Status Changes	Revenues	Net Room Revenue
		Net Food & Beverage Revenue
		Net Other Revenue
		Net Non Revenue
		Tax Room Revenue

Business Block Profiles		Tax Food & Beverage Revenue Tax Other Revenue Tax Non Revenue Private ? Replace Address ? Private ? Replace Address ? Address Doctor Mode
Contact Profiles	Administration	
Country		Guarantee Class Sun Mon Tue Wed Thur Fri Sat
Deposit Cancellation Rules, by Rate	Days of the Week	Convertible Forecast Revenue Only Exclude from Forecast Report
Event Types		
Events	Administration	
Financial Transaction Guest Ledger		Dual Currency Amount OVOS Currency Amount Apartment Style Billing ? Service Type Exchange Difference ? On Hold ? A/R Charge Transfer ? Calculate Points ? Processed 8300 ? Apartment Style Billing ?
Financial Transactions	Administration Transaction Categorisations Transaction Flags	Dual Currency Transaction Amounts
		Dual Currency Dual Curr. Guest Credit Dual Curr. Guest Credit Dual Curr. Guest Credit Dual Curr. Guest Debit Dual Curr. Guest Debit Dual Curr. Guest Debit Dual Curr. Net Amount Dual Curr. Net Amount Dual Curr. Net Amount Dual Curr. Gross Amount Dual Curr. Gross Amount Dual Curr. Gross Amount
	OVOS Transaction Amounts	OVOS Currency OVOS Guest Credit OVOS Guest Credit OVOS Guest Credit OVOS Guest Debit OVOS Guest Debit OVOS Guest Debit OVOS Net Amount OVOS Net Amount OVOS Net Amount

		OVOS Gross Amount
		OVOS Gross Amount
		OVOS Gross Amount
	Payments & Accounts	Exchange Date
		Exchange Type
		Posting Type
	Administration	Credit Card Installments
Fiscal Folio Tax		Membership ID
Fixed Charges		Original Bill No.
		Original Folio No.
		Adv Generate Adjustment
		Adv Generate Transaction Code
Foreign Currency	Administration	Page Number
Foreign Currency Journal	Administration	Account Code
Hotel Profiles		Begin Date Nullable
		End Date Nullable
	Administration	Inactive Date
	Administration	Inactive Date
		Private ?
		Replace Address ?
Housekeeping Employees		Job Title
	Days of the Week	Sun
		Mon
		Tue
		Wed
		Thur
		Fri
		Sat
Housekeeping Tasks		Linen Change ?
Individual Profiles	Administration	Private ?
		Replace Address ?
Manager's Reports	Revenues & Rates	Central Currency Code used for conversion
Membership Transactions	Administration	Exchange Rate
Membership Types		Exchange Rate
		Default Membership Status
		Enrollment Code Required ?
		Based On
		Send Check Out to Interface ?
		Validate on Checkin ?
		Validation by Interface ?
		Folio Message
		Folio Message/Non Members
Organisation Profiles (Agent, Source, Company, Group)	Administration	Private ?
		Replace Address ?
OVOS Contract Fees		Reserve Account
		Day to Execute
		Month to Execute
		Post After Split ?
		Occupied By
		Post To
OVOS Owner Profiles	Administration	Private ?
		Replace Address ?
Potential Business		Marketing Region

	Administration	Resort Registered
	User-Configurable Fields	Udfc01 to Udfc40
		Udfn01 to Udfn40
		Udfd01 to Udfd20
Products	Administration	Forecast Next Day ?
Profile Addresses		Barcode
Profile Phone/Fax/Email		Default Confirmation Method ?
Rate Headers		Email Language
		Cycle
		Rate Floor
	Rate Flags	MyFidelio Rate Upload ?
		Owner Rate ?
		Regional Availability
		Rate Update ?
		Restriction Update ?
	Dates & Times	Minimum Occupancy
Rate Sets		Maximum Occupancy
		Children - free stay
		Adults Threshold
		Children Threshold
		Occupants Threshold
		Occupants threshold Charge
		Children Threshold Charge
		Adults Threshold Charge
Reservation Daily Statistics	Revenues & Rates	Distributed Room Revenue
		Distributed Room Revenue generated as Payee
		Distributed Food Revenue
		Distributed Food Revenue generated as Payee
		Distributed Other Revenue
		Distributed Other Revenue generated as Payee
		Distributed Total Revenue
		Distributed Total Revenue generated as Payee
		Distributed Non Revenue
		Distributed Non Revenue generated as Payee
		Distributed Total Room Tax
		Distributed Total Room Tax generated as Payee
		Distributed Total Food Tax
		Distributed Total Food Tax generated as Payee
		Distributed Total Room Tax generated as Payee
		Distributed Total Other Tax
		Distributed Total Other Tax generated as Payee
		Distributed Total Non-Revenue Tax
		Distributed Total Non-Revenue Tax generated as Payee
		Distributed Total Tax
		Distributed Total Tax generated as Payee

	Room Details	Original Room Category
	Administration	CRS Currency
		CRS Exchange Rate
		OVOS Owner Booking
		Date Created
		Complimentary Reservation ?
		House Use Reservation ?
		Parent Company
Reservation Deposit Schedule	Amounts	Room Deposit
		Activity Deposit
	Administration	Manually Entered ?
Reservation Items		Reservation Product Id
Reservation Pace		CRS Currency
		CRS Exchange Rate
Reservation Summary	Administration	Business Date
		System Date
		CRS Currency
		CRS Exchange Rate
Reservations	Memberships	Award Membership ID
Resort Rate Products		Forecast Next Day Yn
Resorts	Contact Details	Send lead as Booking ?
		Non Opera S&C ?
	FIT Contracts	Rate Code RACK
		Rate Code PCR
		Black out period notes
Room Types		Meetingroom ?
		Auto Room Assign ?
		Sales Flag
Source Profiles	Administration	Private ?
Rooms	Dates & Times	Replace Address ?
	Assignment Details	Last Check Out Date
		Hold Type
Stage Profile Addresses		Hold Date/Time
Stage Profile Comments		Hold Comments
Stage Profiles	Administration	Postal Code Ext
		Comment Title
		Tax Type
		VAT Number
		Replace Address ? ?
Standard Items		Mandatory ?
		Sell Separate ?
		Display Seq
Transaction Routing Instructions	Dates & Times	Sun
		Mon
		Tue
		Wed
		Thur
		Fri
		Sat
Travel Agent Profiles	Complimentary Accounting	Membership ID
	Administration	Private
Vendor Profiles	Administration	Replace Address
		Private
		Replace Address

- The Travel Agent field on the Reservations table now shows the correct data when used as a filter.
- The Promotions field on the Reservations table has been corrected to information.
- When filtering by the Name field on any Profile, the filter has been corrected to show profiles with inactive dates ONLY when the user option 'Display Inactive Dates (and, records which have them) is set.
- The Default Cashier ID field is now visible on the Application User table.
- The External Reference field on the Reservation table has been renamed 'Primary External Reference' and new fields External References and External references Type have been added and will hold a comma separated list of all associated External References and External References Type.
- The External System Users table can now be accessed via the Application Users, Reservations, Promotions, Transaction Routing Instructions, Financial Transactions and Authorizer Limits tables.
- The Decision Date for Rooms field has been added to the Allotments & Bookings table in the Dates & Times group.
- Fields Out of Order Rooms and Out of Service Rooms have been removed from the Forecast Summary Table as they are not used by Opera, these fields can be seen on the Reservation Summary Table.
- Field Permission Display Name has been added to the App Permissions table.
- Field Reservation Name ID has been added to the Reservation Daily Statistics table in the administration group.
- A join has been added from the Reservations table to the ABS Proforma Folio table.
- Fields Contract No and Unit have been added to the OVOS Rental Contracts Table.

Changed Tables 4.2 (January 2008)

- Fields Name, Last Logged Timestamp and Terminated Date on AU Application User amended to return the correct data.
- Added the Discount Flag to RTH Rate Header in the Rate Flags field group.
- Lookup added to Promotion Code field on RSV Reservations.
- Added Children(Age Group 4) and Children(Age Group 5) to RVS Reservation Statistics Daily Summary.
- Added Resort Registered to the Administration field group on the following tables : CY Company Profile, SF Source Profile, GP Group Profile, TL Travel Agent Profile.
- Added Name 2, Name 3 and Combined Name to CY Company Profile, SS Source Profile and TL Travel Agent Profile.
- Added Approval Code to FTX Financial Transactions in the Administration field group.
- Travel Agent Record Indicator on RSV Reservations corrected

- Amended Insert Date on RGT Reservation Turnaway to use only the date rather than date and time.
- Added a join from RSM Reservation Summary to RMC Room Type to allow reporting of Out of Action rooms.
- Added Hotel Code to RST Resort
- Added Commission Code to TL Travel Agent Profile in the Linked Organisations field group.
- Name field on AU Application User corrected to return the required data. (Requested by Metropolitan Hotel)
- Mailing Action (Codes) on GU Individual Profile, CNT Contact Profile and VOW Owner Profile, corrected to show the required data.
- INV A/R Invoice has been amend to allow Held Invoices to be included in reports. The Status field is now a mandatory filter, and has an additional value of 'O&C – Not on Hold'.
- Join added from BLK Allotments & Bookings to EVT Events.
WARNING – USING THIS JOIN MAY CAUSE DUPLICATION OF DATA
- Join added from CY Company Profile to NW Name Owner to allow all Owners to be reported not just the Primary Owner
- Added Rate Available flags for days of the week to RRL Rate Restriction Log, in the Dates and Times field group.
- Added Insert Date/Time to RTS Rate sets in the Dates and Times field group.
- Tax ID added to Travel Agent Profile.
- Authorizer ID added to RSV Reservations in the Administration field group.
- Join added from VNC OVOS Contracts to ORC OVOS Rental Contracts.

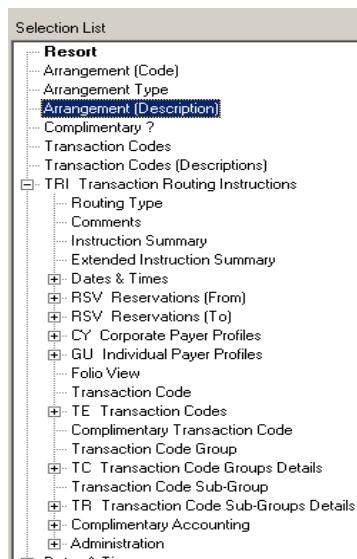
Changed Tables 4.1 (February 2007)

- Added the Transaction Group and Transaction Sub Group display sequences for FTX Financial Transactions
- Added an Authorised Amount field to the reservation table, in the 'Payments & Accounts' field group.
- Added a field join to Room Class Description (for those restrictions based on room class), and a table join to Room Category (for those restrictions based on room category). There is some scope for confusion in the fact that it is now possible to derive a room class for those records defined on category, not class, by getting the class belonging to that category
- Field added in Admin group, RSV Reservations table for Travel Agent Record Locator field (EXTERNAL_REFERENCES table -> external_reference_type column-> value=ta_record_loc)
- Added field Owner Occ. Flag to RSV Reservations -> Administration. (owner_ff_flag)
- Filtering of the Profile Action table by Profile Type now works for all types including D Guest Profiles

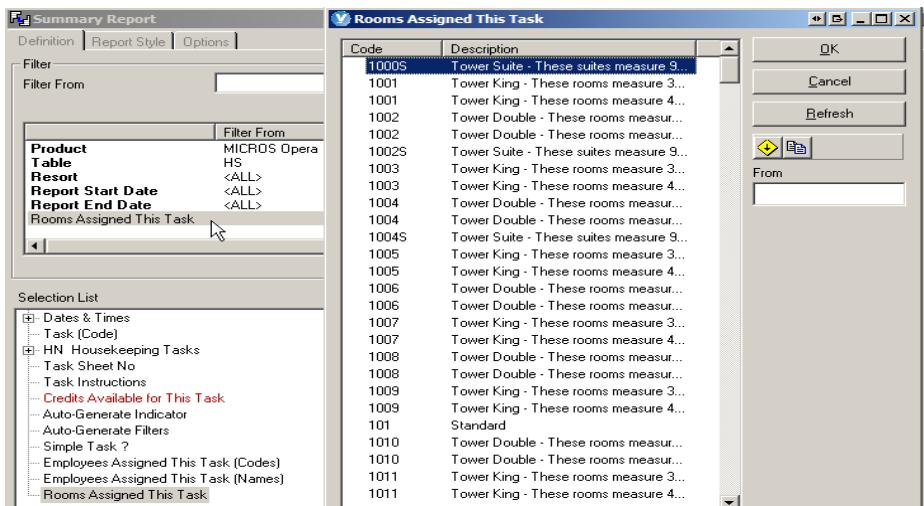
- RL Reservation Statistics error when using Insert Date fixed
- Added 'Resort' to join from RSV Reservations to Rate Header. Now works correctly
- Q&A for Opera will no longer extract any credit card details except Card Type. The encryption in Opera has been enhanced and Q&A is unable to accept responsibility for misuse of this vital data.
- MUD Membership Upgrade/Downgrade and PMS Profile Match Stats are now correctly tagged for versions where these tables do not exist (post Opera v2.6 only)
- Last Stay output for Profiles again working correctly
- Some issues existed when reporting over future dates in an ORS environment on some versions. This is now fixed.
- Membership Card Number now added to the Memberships group in Profiles
- Fields added to the Rate Set table for LOS Amounts.
- Fields added under 'Marketing' in the Individual Profiles table Promotional Information = MAIL_LIST, Market Research = MARKET_RESEARCH_YN
Third Parties = THIRD_PARTY_YN, Loyalty Program = AUTOENROLL_MEMBER_YN
- Fields added to FOT Folio Tax in grouping called Tax Amounts by Collection Agents for Collected Tax 1 – 5
- New field Confirmation Leg Number (confirmation_leg_no) in Reservation table, added in Administration group, just after Confirmation No.

Changed Tables 3.3 (June 2006)

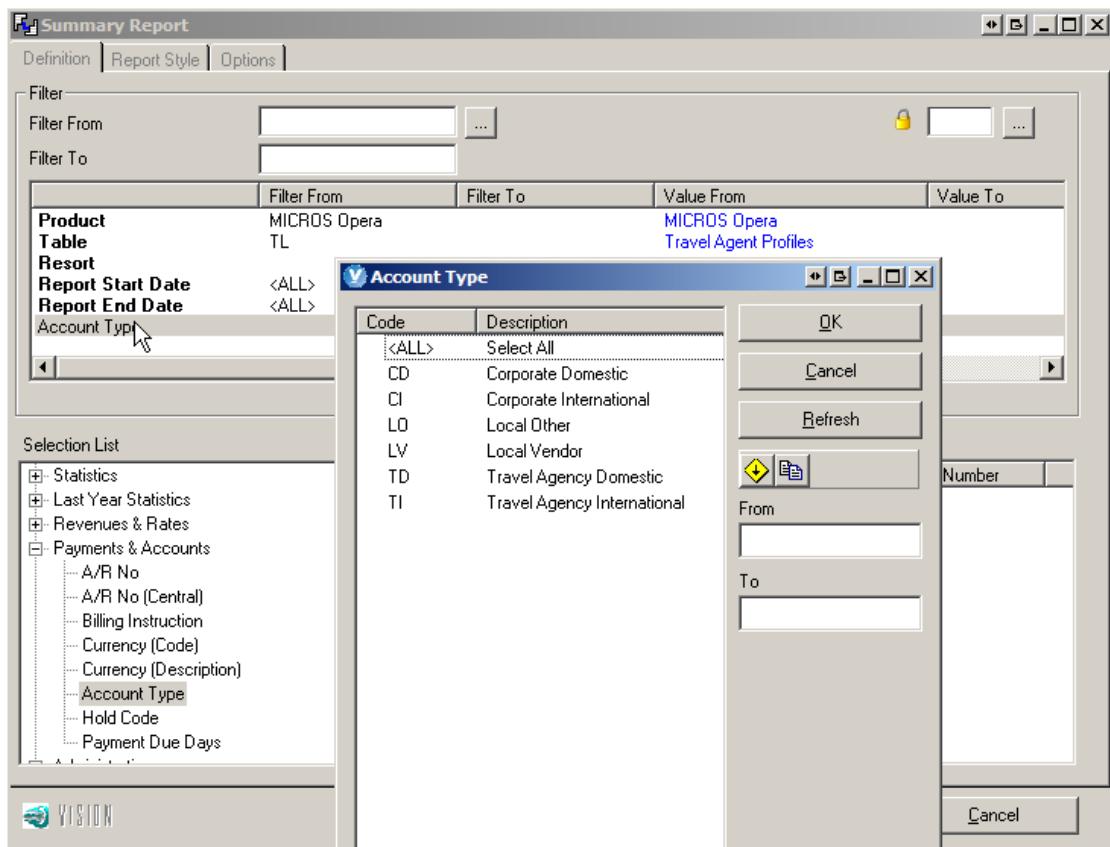
- If you use the 'Transaction Codes' field in Transaction Code Arrangements that gives you a comma-separated list of all the transaction codes from Transaction Code Arrangement Details which belong to that arrangement. They're brought back via a function call, not a join, so that you can still join the arrangement to some other table without double-counting. Added a list of transaction code descriptions alongside the list of transaction codes in the parent table.



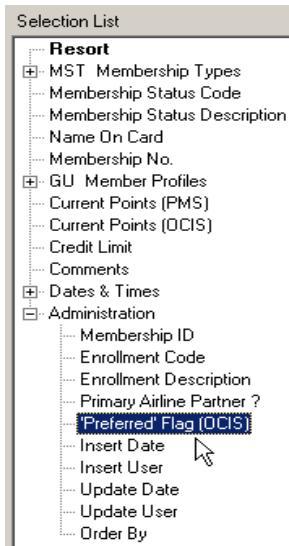
- Added lookup to 'Rooms assigned this task' in Housekeeping Daily Tasks so that you can filter on an individual room (even though each row will include several rooms).



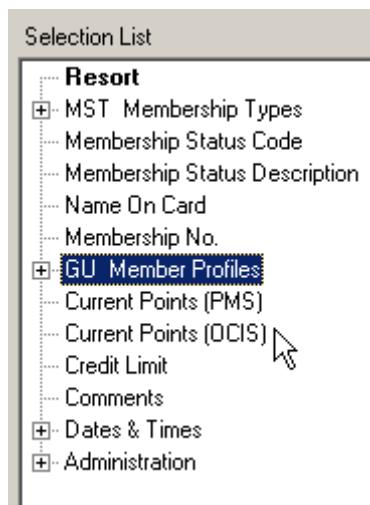
- ACCOUNT_TYPE field is now shown in Profile tables. The Lookup, and accompanying description field, is based on ENTITY_DETAIL, where ENTITY_NAME = 'ACCOUNT_TYPES'. This new field can be found in the Payments & Accounts field group in tables Company Profiles, Agent Profiles, Source Profiles and Organisation Profiles.



- Memberships table addition with the 'Preferred' Flag (OCIS) election field which comes from the MEMBERSHIPS.POINT_INIDICATOR in OPERA.



- The calculation of membership points is now completed by function (for OCIS), rather than direct from a field. The function in question is calc_member.total_points (membership_id). This will not be apparent to the user but is an internal datalink change.



- The fields "Last Stay, Last Room, and Last Rate" previously were not populated correctly. This now functions correctly in both PMS and ORS/OCIS scenarios except for the "Last Rate" in the Centralised Systems environment. This will be addressed in the next release, 04.001.
- The previous fields in the Memberships field group of the Individual Profiles table have been superseded by some new fields, which produce comma-separated lists of the membership IDs, codes, descriptions, classes and class descriptions of the memberships belonging to each profile. These resemble the fields already available in the Memberships field group of the Reservations table. A feature which is new to both groups of fields is the field 'Membership Status (Filter Only)'. If this field is output, it produces only nulls. If it is used in the Filter window, then it is passed as a parameter to the functions which return the comma-separated lists mentioned above, so that only memberships with (one of) the specified statuses will be included in those lists. If it is not used in the Filter window, this is equivalent to including memberships of all statuses.



- Added new fields to the RSV Reservations table. These are RESV Insert Source (RESERVATION_NAME.RES_INSERT_SOURCE) and RESV Insert Source Type (RESERVATION_NAME.RES_INSERT_SOURCE_TYPE). They can be found in the Administration field grouping of the RSV Reservations table.
- For those OCIS/ORS databases with no RESERVATIONS tables that exist in a PMS environment, the PMS_RESV_NO from the STAY_RECORDS table has been amended in the datalink. The existing Confirmation No field in the Administration field grouping will output the CONFIRMATION_NO from the RESERVATION_GENERAL_VIEW for PMS and the PMS_RESV_NO from STAY_RECORDS for OCIS/ORS environments.
- The field Reservation Date has been added to the Reservation Daily Statistics table -> Dates & Times field group.
-

Changed Tables 3.2 (March 2006)

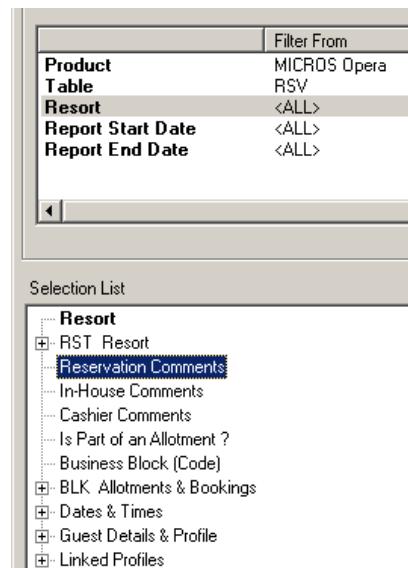
- Added extra Credit Card fields to Payments & Accounts in the RSV Reservations table. This now means that credit card numbers can be extracted given that the User has access to Finance Reporting in the Q&A security configuration.
- Reservation Turnaway ID now added to Administration field group in Reservation Turnaway table.
- Additional fields for Comp Accounting added to RVS Reservation Daily Statistics Summary. They are Room Details-> Cash Room Nights, Complimentary Room Nights and Revenue & Rates-> Cash Room Revenue, Complimentary Room Revenue.
- RSV Reservations field group Payments & Accounts can now extract lists of folio and bill numbers

Guest Last Name	Room	Folio Numbers	Bill Numbers	Sharer Confirmation Number(s)	Sharer Name(s)
Alcott	1011	10580,10581,10662,10663	31,32,33	10730	Louise Alcott
Alcott	1011	10582,10664	34,35	10728	Mary Alcott
Alcott	1017	10802,10960,11200,11201	141,142,143		
Alcott	3004	11002	158		
Alsop	1002	10857			
Alsop	1015	10563,10583	38,39		
Alsop	2020	11240	146	11049	Rob Thomas
Anderson	1004	10858			
Anderson	1009	10522,10564,10600,10601	13,14		
Anderson	1016	11120	149		
Anderson	1021	10740	68		
Anderson	1031	10803,10981	154,155		
Anderson	3032	10544,10722	55,56		
Arrington	3007	10784	87		

- Sharer reporting abilities have been updated with Sharer Name(s) and Sharer Confirmation No.
- All Profile tables now have access to Keywords by Type functionality.
- Market Code and Rate Code criteria now available for reporting from OCIS databases.
- Package Forecast (Product Forecast) Groups have been added to the RSV Reservations table.
- The field External Reference in the Administration group of RSV Reservations now correctly comes from its own table depending on version.
- OOO Rooms has been added to the Forecast Summary table.

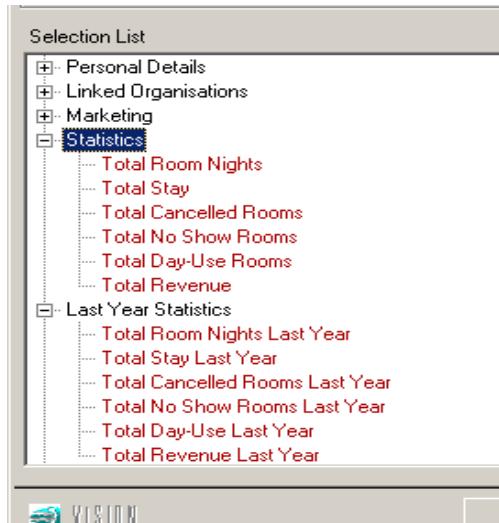
Changed Tables 3.1 (October 2005)

- Added the R_COMMENT field to the reservations table. Given that this is possibly a large field, it is limited to output the first 100 characters only.

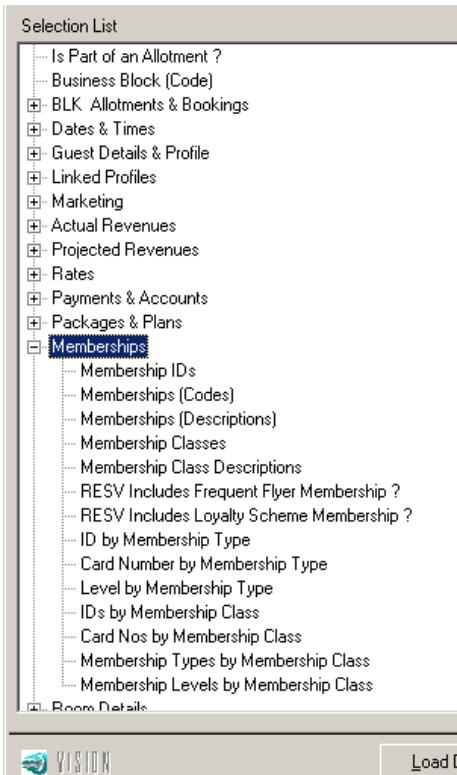


- Name change to allotment tables in Opera 3.5 necessitates change to LasAg_SC script. ALLOTMENT_DETAILS became ALLOTMENT\$_DETAILS.
- Tax ID for Individual Profiles added and can be found in the Linked Organisation section for Individual Profiles.

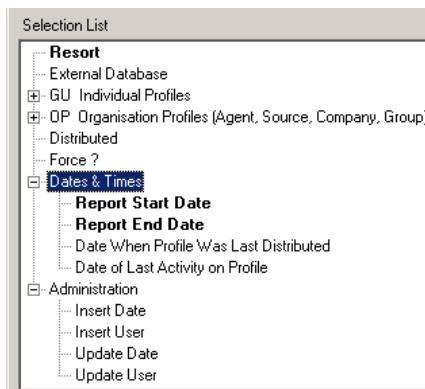
- Statistics and Last Year Statistics can be found in Individual Profiles, Contact Profiles, Company Profiles, Group Profiles, Source Profiles, Travel Agent Profiles and Organisation Profiles tables. All available fields in V3 Opera are included.



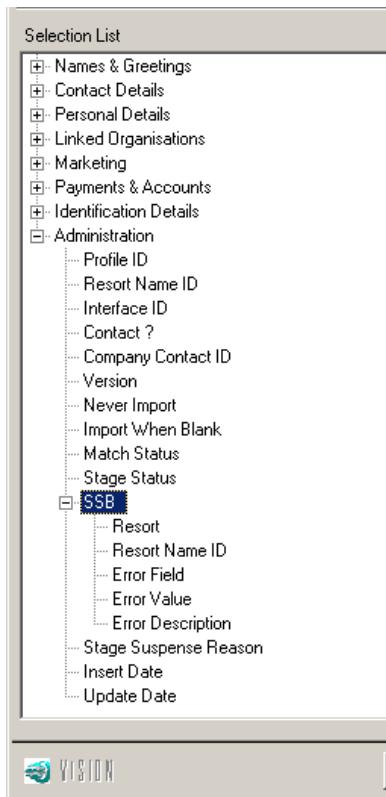
- Added Legal Name field to Profile tables.
- Added membership class to membership type table, and use it as the basis for fields-on-the-fly in Reservations.
- All the following fields can be found in the 'Membership' field group (formerly known as 'Loyalty Schemes') in 'RSV Reservations'.
 - LOYALTY_SCHEME_MEMBERSHIPS_IDS;
 - LOYALTY_SCHEME_MEMBERSHIPS_CODES;
 - LOYALTY_SCHEME_MEMBERSHIPS_DESCRIPTIONS;
 - LOYALTY_SCHEME_MEMBERSHIP_CLASSES;
 - LOYALTY_SCHEME_MEMBERSHIP_CLASS_DESCRIPTIONS;
 - LOYALTY_SCHEME_MEMBERSHIP_INCLUDES_FF;
 - LOYALTY_SCHEME_MEMBERSHIP_INCLUDES_LOYALTY;
 - ID_BY_MEMBERSHIP_TYPE; CARD_NUMBER_BY_MEMBERSHIP_TYPE;
 - LEVEL_BY_MEMBERSHIP_TYPE; IDS_BY_MEMBERSHIP_CLASS;
 - CARD_NOS_BY_MEMBERSHIP_CLASS;
 - MEMBERSHIP_TYPES_BY_MEMBERSHIP_CLASS;
 - MEMBERSHIP_LEVELS_BY_MEMBERSHIP_CLASS



- Added History flag, Keep History? (HISTORY_YN) to Individual and Contact profiles. Added Potential Business (BUSINESS\$PROFILE) join to Company, Travel Agent & Source Profiles, the same as Business Block. Added Legal Company (LEGAL_COMPANY) field for all profiles.
- Addition of the LAST_ACTIVITY_DATE and the LAST_DISTRIBUTED_DATE fields from the NAME_SUBSCRIPTION table; also the SUBSCRIBE_DATE which is available from the INSERT_DATE field in the NAME_SUBSCRIPTIONS table.



- New fields from Table RESERVATION_NAME, COLUMN_NAME: RES_INSERT_SOURCE, RES_INSERT_SOURCE_TYPE in RSV Reservations -> Administration -> RESV Insert Source and RESV Insert Source Type.
- Error descriptions are stored in the stage error description field if the stage status is NEW or VALID. If the stage status is INVALID or MATCHES_FOUND the error description is stored in the STAGE_PROFILE_ERRORS table which is now found in the Stage Profiles -> Administration -> SSB table join.



- Added Membership Class to Membership Type table.
- Add Name Code (NAME_CODE) to Contact Details (NAME_ADDRESS) to the Profile address table.
- Added Room Types and Room Types (Description) in Reservations Turnaway table.
- Fixed issues with XCOMPANY_NAME field for double byte search function.
- Add field Authorizer to table Transaction Routing Instructions.
- Changes have been made to allow correct reporting using the Minimum and Maximum extract modes.
- Added an optimizer hint to the lookup on Reservation Name ID in the Reservations table. /*+ INDEX (rn, resv_name_ind1) */ Also, added references to Resort, Start Date and End Date, where available. This makes it possible, even in a large ORS database, to specify Resort, Date window and first few letters of Name for a fast lookup.
- NAME CHANGES
- Report Window Start and End -> Report Start and End Date
- Block Code -> Business Block Code
- Over Report Window -> Over Report Date
- Loyalty Schemes -> Loyalty and Memberships
- Room Category * -> Room Type *
- RMC Room Categories -> RMC Room Types
- Arrival -> Arrival Date

- Departure -> Departure Date
- Market Intelligence -> Marketing
- Parent Source -> Source Group
- Main Market -> Market Group
- Regrets * -> Turnaway *

Changed Tables 2.6 (June 2005)

- GU Individual Profiles – KEYWORD Added
- All Profile tables – added Profile is Subscribed? (Yes or No) and Subscription databases
- Various Sequence fields – Room Type, Channel, Market, Mainmarket, Source, Parent Source, Origin and Preferences Display Sequence
- RSV Reservations – Loyalty Scheme lookup code added
- Added Country Names to the Country Codes where found in the relevant Statistical tables
- BLK Allotments & Block Bookings – Booking Type Code and Description
- FTX Financial Transactions – Separate Time field for posting times.
- RSV Reservations – the Reservation date has been changed to use the Opera BUSINESS_DATE_CREATED field
- All Action or Userlog tables – Insert Time
- Individual Profiles – Name change for CIS Number to CRS Guest ID
- FTX Financial Transactions – table join to Payee Profiles via Folio Tax table.
- ORS Room matching algorithm for PX rooms to match physical rooms
- Credit Card numbers and expiry dates have been wrapped in security. Security to be Admin or Finance & A/R as per the Q&A for MICROS Opera Installation Addendum security configuration.
- Changes made to all Reservation Status fields with more statuses added.
- EVT Events – S&C module additional time fields for Event Start and End
- Corporate Profiles – Tax ID field added
- Managers Reports table – additional Q&A fields for calculating a number of percentage occupancies.

Known Issues 4.1 (February 2007)

- RVS Reservation Stats Daily Summary field Deposit Rooms should be renamed Departure Rooms
- If an ORS installation has no rows at all in RESERVATION_STAT_DAILY, this can cause the logic for accessing STAY_RECORDS to fail. There is a workaround, which is to insert a single dummy row into RESERVATION_STAT_DAILY (putting the system date into the 'business date' field, any valid resort into the resort field and nulls everywhere else).

Known Issues 3.3 (June 2006)

- The "Last Rate" output in the Centralised Systems environment will be addressed in the next release, 04.001. This requires a new function call to be written that is compatible and works within Q&A logic.

Known Issues 3.2 (March 2006)

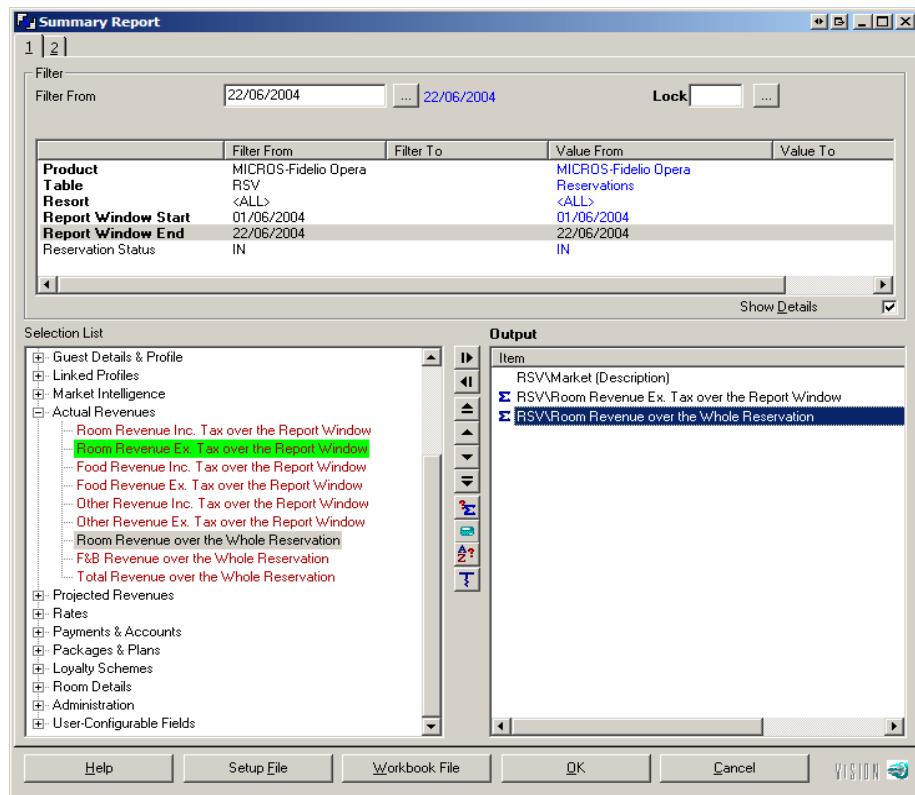
- A limitation rather than an issue as stated above is the you cannot use neither Resort nor Business Date (Output Only) as filters for Filtered Columns.

Known Issues 3.1 (October 2005)

- None known

Known Issues 2.6 (June 2005)

- In the next release the Order By field in Preferences will be renamed to Display Sequence similar to elsewhere in the datalink.
- You are unable to run a Summary Report for Actual Revenues using the RSV Reservations table whilst including in the output both "report window" numbers and "whole reservation" numbers. Please see the screen shot below for an example of what NOT to do.



- Also, whilst not an issue in the release sense, it has been recognised that navigation and finding what you need is difficult for new users. To this end, we will be renaming many tables and fields to more closely resemble Opera screens and with the release of Vision 6.3.1, there will be a datalink search function and a new feature called Product Views. These will allow you to define what you can see in the datalink but also allow full view at the click of a button.
- Reports on permissions available to users can include permissions assigned to groups to which the user belongs, but only if the user belongs *directly* to the group. If there is a hierarchy of groups, such that USER1 belongs to GROUP_A and GROUP_A belongs to GROUP_B, and GROUP_B has permission X, then Q&A will *not* report permission X as being available to USER1.
- Whilst documented as supporting Opera Versions 2.0 to 2.6.2, initial testing has confirmed that Datalink release 02.006 will in fact cause no errors when used over an Opera V3 schema. The caveat is that there is no Opera V3 functionality included and the output of Profile Statistics such as Total Stays no longer works as expected.

Objects Created in the Opera Database

The follow table outlines objects created in the Opera database (new in bold):

Object	Description
View LasAg_C39_horizon	View used in certain cases when a report is to combine actual and projected data.
Package LasAg_C39_collapseor_functions	Functions in this package are used to output multiple rows of data from certain tables as single-row comma-separated lists in reports.
Package LasAg_C39_cross_resort_logic	Package facilitates reporting across multiple resorts.
Package LasAg_C39_SC	Package prevents double counting in certain types of report.
Package LasAg_C39_tag_pack	Package gathers information required by 'control tags' in Q&A
Function LasAg_C39_daylist	Function interfaces between Opera's textual 'day of the week' codes ('Su', 'Mo', etc.) and the numeric representation of days of the week used internally by Oracle.
Function LasAg_C39_resort_rooms	Function returns the number of actual lodging rooms in a resort.
Table LasAg_C39_Version_Control	Records the datalink version
Package LasAg_C39_Changeover_Dates	Package used to support reporting across date ranges for pricing and rates.
Function LasAg_C39_incl_stay_rec_rm_nts	Eliminates the room nights of share reservations from room night calculations based on STAY_RECORDS
Package LasAg_C39_statuses	This handles statuses and status changes for reservations, allotments and bookings.

Function LasAg_C39_status_change	Function returns the date of a particular status change for a particular S&C event.
Function LasAg_C39_wrap_init	This function provides a wrapper around the procedure pms_p.initialize, so that it can be called from within a plain SQL statement (rather than a PL/SQL block). This serves two purposes; 1. It gets around the occasional random failures of PL/SQL blocks over ODBC 2. It ensures that, when something goes wrong, more and better error information gets back to the user interface than otherwise would.
Function LasAg_C39_name_updates	This ensures that, when any part of a profile is updated (e.g., an associated address), the date and user for that update are reported as the latest update for that profile, even if they did not change the main 'NAME' table record for that profile.
Function LasAg_C39_stay_rec_pro_rata	This distributes the occupancy and revenue figures for a STAY_RECORDS row evenly among the nights of the stay.
Function LasAg_C39_room_match	This implements part of the logic to integrate STAY_RECORDS with other reservation data for ORS only.
Package LasAg_C39_upload_rev	This enables up-loaded revenue by group and type (from table MEMBERSHIP_TRX_REVENUES) to be analysed by other attributes of reservations, all presented within the single existing 'Reservations' object.
Function LasAg_C39_name_primary_rate	This function returns the rate code for a particular profile as at the beginning of the current report window
Function LasAg_C39_resv_matches_rate_st	Used when joining from RESERVATION table to RATE HEADER to RATE SET
Function LasAg_C39_room_match	Used for ORS and OCIS systems to help reconcile STAY_RECORDS data with centrally held reservation data
Package LasAg_C39_mem_pts	Used to simplify the reporting interface for membership transactions
Table Lasag_C39_Stat_Tab	Used to store the statistics while they're not in the SYS tables (such as sys.hist_head\$)
LasAg_C39_wrap_stats	This extends the various profile-related functions (such as 'Last Stay Date') so that they are available both in PMS and in ORS/OCIS environments, and are responsive to Resort filters.
LasAg_C39_profile_is_in_OVOS	This returns non-zero if a profile is listed in the OVOS_owners_users table.