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| chads  [TECHNICAL BRIEF] | Abstract  TABLE OF CONTENTS   * DATABASE TO QVD MAPPING * TRANSFORMED / DERIVED FIELDS * CANONICAL COLUMNS * TABLE JOINS * DATA MODEL DESIGN * QLIKVIEW SCRIPT LOGIC (EXTRACT/TRANSFORM/LOAD) * DATA VOLUME * DATA INTEGRATION * DB CONNECTION STRING INFO * EXPRESSIONS OVERVIEW * RISKS * UI LEGEND |

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| --- | --- | --- | --- |
| **Author** | **Version** | **Revision** | **Revision Date** |
| Kushal Chawda | 1.0 | Initial Draft | 21/05/2019 |

**Technical Overview**

1. **QVD Libraries**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **QVD Name** | **QVD Path** | **Data connection** | **Source Table/View** | **Database** |
| gl\_account\_daily\_aggregated\_fact | \\qlikapp1\Qlik\Balance movement\Qvd\ | Balance\_movement\_qvd | gl\_account\_daily\_aggregated\_fact | cap\_mi\_test |

1. **QVD Extract**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **QVD Name** | **Script** | **Application Name** | **Stream** | **Data connection** |
| **gl\_account\_daily\_aggregated\_fact** | **SELECT \***  **FROM [cap\_mi\_test].[gl\_account\_daily\_aggregated\_fact];** | Balance movement 1.1 | Everyone | **Impala\_connection** |
| **Calendar** |  |  |  |  |

1. **Transformations / derived fields:**

|  |  |  |
| --- | --- | --- |
| **Table/Column** | **Derived From** | **Logic** |
| T\_vwas\_assetsummary/  Total\_Seats\_Range | total\_seats | if(total\_seats = 1, dual('01 Seat',1),  if ( total\_seats >= 2 and total\_seats <=5, dual('02-05 Seats',2),  if (total\_seats >= 6 and total\_seats <=10, dual('06-10 Seats',3),  if (total\_seats >=11 and total\_seats <= 20, dual('11-20 Seats',4),  if (total\_seats >= 21 and total\_seats <=50, dual('21-50 Seats',5),  if (total\_seats >= 51 , dual('51+ Seats',6))))))) as Total\_Seats\_Range |

1. **Additional logic for derived fields**

<Additional *transformation logic that is more complex*>

1. **Canonical Columns**

(Disparate column(s), with same data, that have been combined into 1 column for QV display and data model efficiency purposes)

1. **Table Joins**

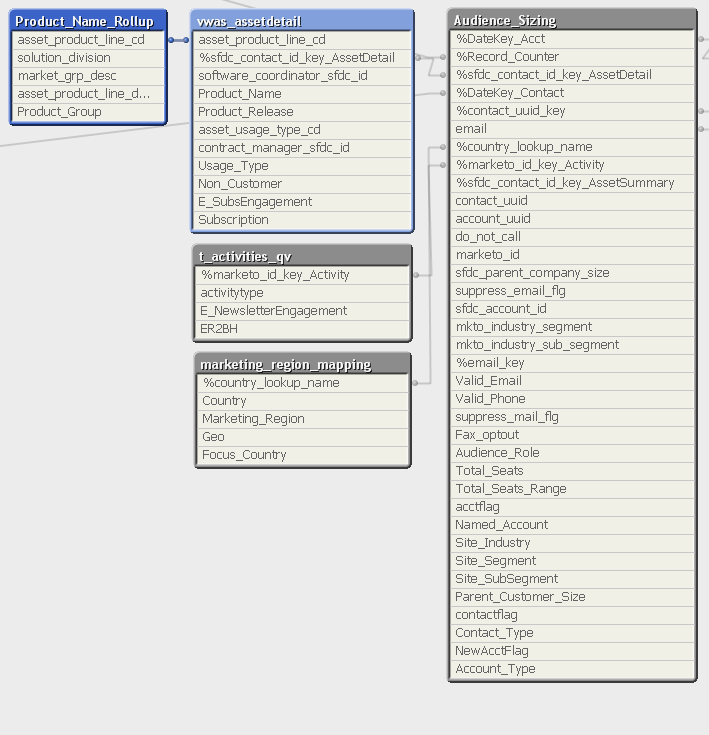
If you have a single star schema model, list your main Fact table right at the top.

All other tables with joins to the Fact table are listed, with the join column specified.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **T\_contact\_account\_lead(Main Fact table)** | **Account\_uuid** | **Contact\_uuid** | **Marketo\_id** | **mkto\_marketing\_channel\_country** | **Asset\_product\_line** | **Sfdc\_contact\_id** | **email** |
| Product\_name\_rollup |  |  |  |  | Asset\_product\_line |  |  |
| Vwas\_assetdetail |  |  |  |  |  | Software\_  Coordinator\_  Sfdc\_id |  |
| Vwas\_assetsummary |  |  |  |  |  | Software\_  Coordinator\_  Sfdc\_id |  |
| Vwas\_accountsummary | Account\_uuid |  |  |  |  |  |  |
| T\_supplemental\_usage |  |  | Marketo\_id |  |  |  |  |
| T\_activities\_qv |  |  | Marketo\_id |  |  |  |  |
| Ecq\_contact\_quality |  | Contact\_uuid |  |  |  |  |  |
| Ucm\_s\_party |  | Contact\_uuid |  |  |  |  |  |

1. **Data Model Design:**

Further information on your data model, a ER diagram here would help.



1. **QlikView Script Logic**

Futher details of your Script logic, could be placed here

Some examples could be:

<include files>

<Variables>

<mapping tables>

Listing all your “.qvw” files and the resulting “.qvd” files that are being generated.

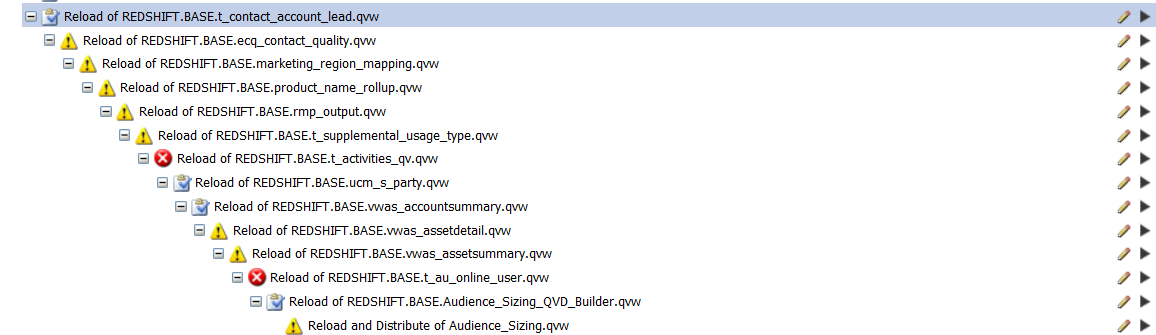
Example:

**t\_contact\_account\_lead.qvw**  **t\_contact\_account\_lead.qvd**

**ecq\_contact\_quality.qvw**  **ecq\_contact\_quality.qvd**

If your tasks follow a waterfall methodology, list that here with a screen shot or a simple description

Tasks list setup in QMC (QlikView Management Console):



1. **Data Volume**

*<Some info on data volume, ETL extract time, etc are also what I like to put down>*

DataSet: Extract Volume

**Contacts** 9,132,946

**Account** 75,813,678

**Region** 250

Total run time of entire ETL/dashboard refresh process:

Start Time: 5:05 AM

End Time: 8:50 AM.

Approx 4 hours.

1. **Data Integration**

Information on any data dependencies.

*<Optional Section(s)>*

1. **DB Connection String info**

*A QlikView connection string is schema dependent, there are several ways to do this.*

*If you have sepearate connection strings per schema, these would be listed here.*

1. **QLIKVIEW TECHNICAL**

*<A listing of your expressions>*

*<Some examples>:*

Expression for calculating **Total # of Contacts:**

Count( TOTAL DISTINCT contact\_uuid )

Expression for calculating **Contact Count with Association:**

Count(DISTINCT {< account\_uuid = {"\*"}>} contact\_uuid)

Expression for calculating **Total # of Accounts:**

Count( TOTAL DISTINCT account\_uuid)

1. **RISKS / MITIGATION PLAN**

*<A list of things that could go wrong, in causing the dashboard to not re-load>*

1. **LEGEND**

*<Trace back to your Data Model from your UI>*

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