



## ETL az üzleti fejlődés szolgálatában

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ETL on service for business development

June 2013

# Dealogic

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Dealogic is a platform used by global and regional Investment Banks worldwide.

Dealogic has over 25 years' experience and a deep knowledge of the Investment Banking and Capital Markets space.

Every one of the top 50 banks in the world utilizing the Dealogic platform.

## Activities

Events

Conferences

Meetings

## Entities

Investors

Companies

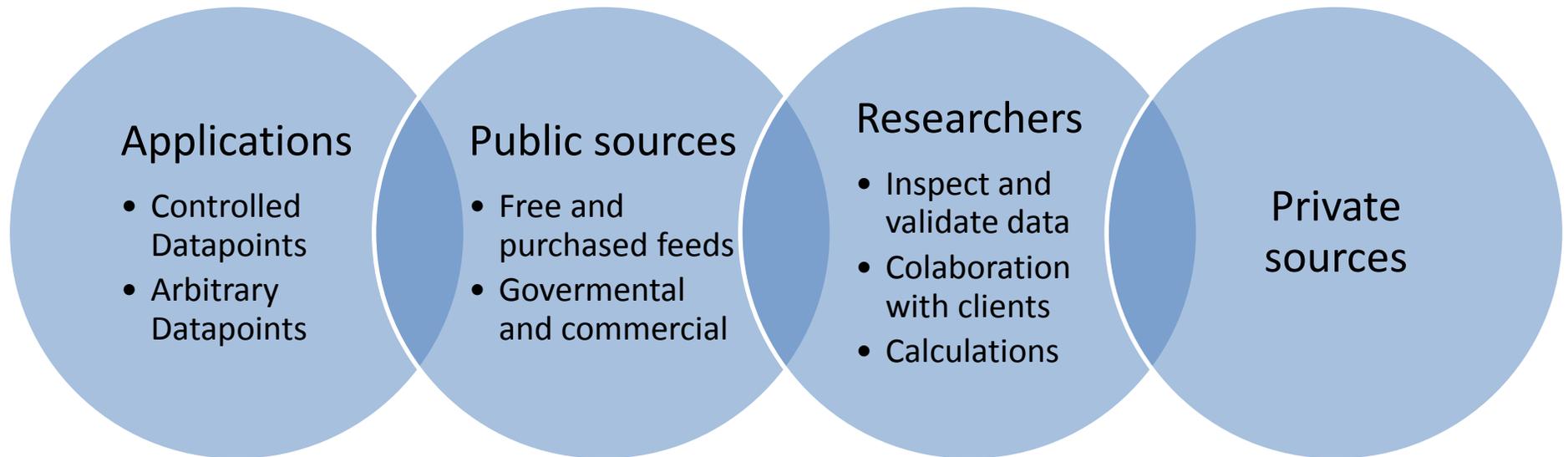
## Deals

Equity Capital

Fixed Income

Merge &  
Acquisition

Loan

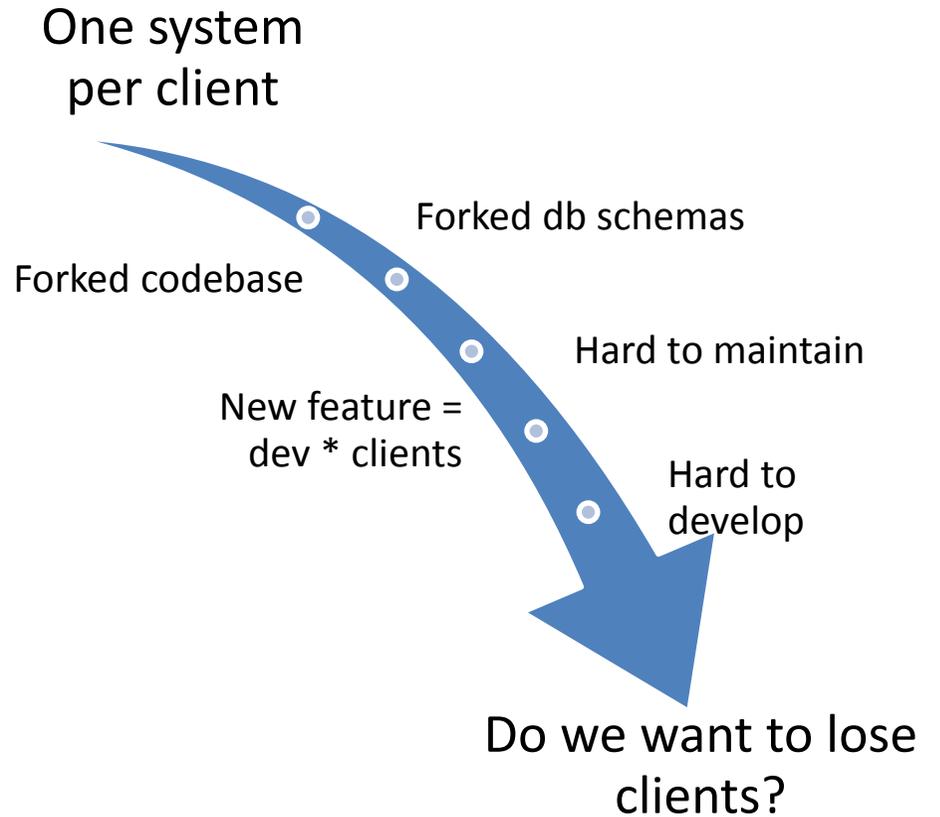
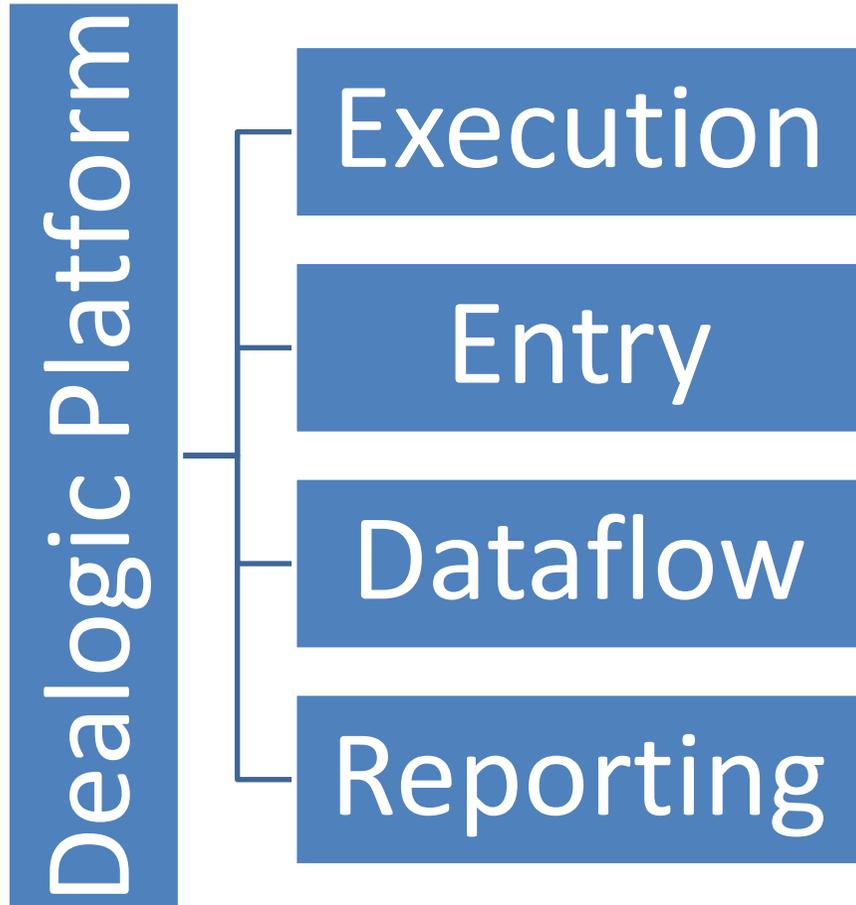


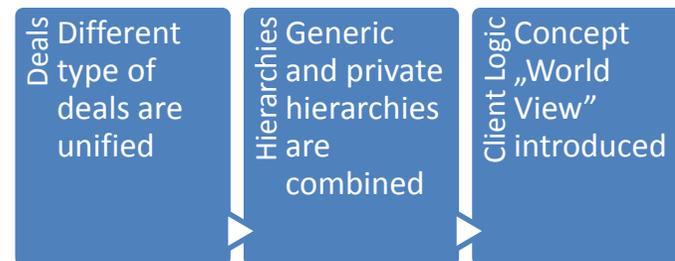
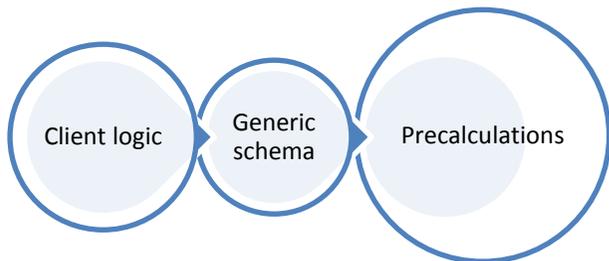
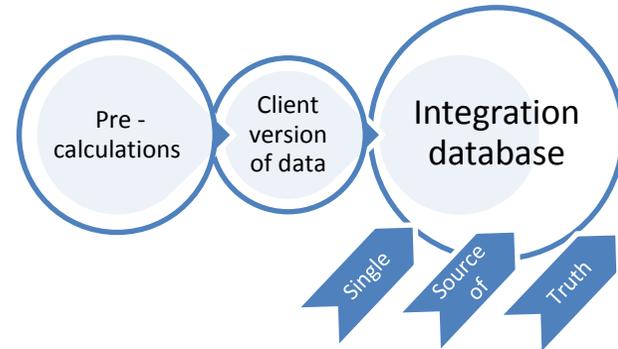
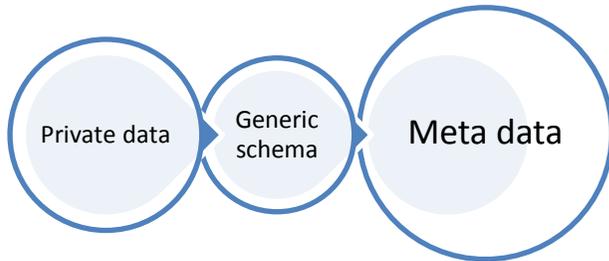
### Generic

- Adhoc reports / Fix reports
- Analyze millions of rows / Be fast!
- Flexible / Robust

### Specific

- Private Data for every client (Companies, Investors)
- Client version of the data (Deals, Activities)
- Client specific aggregation / roll-up logic





### World View

- Client logic
- Client version of data
- Custom hierarchies

### Mapping

- No islands of data
- Everything is mapped together
- Every datapoint needs to be verified by human

### Calculations

- Continous flow in
- Business overrides data frequently

### SSIS

- Maintainability
- Reusability
- Client logic
- Performance

### Informatica

- Integration

### Abinitio

- Specific scripting language
- Challenges

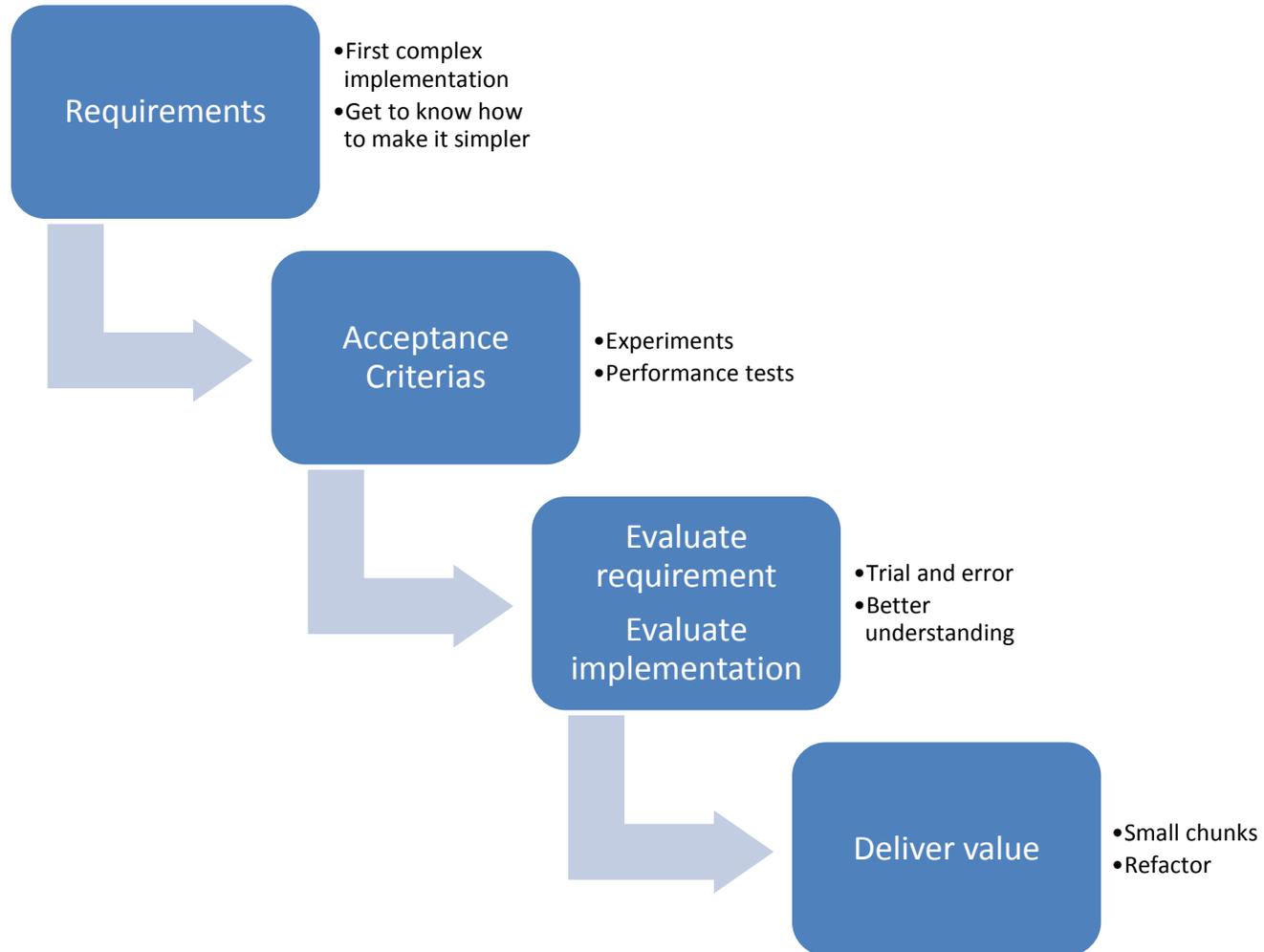
### Business requirements

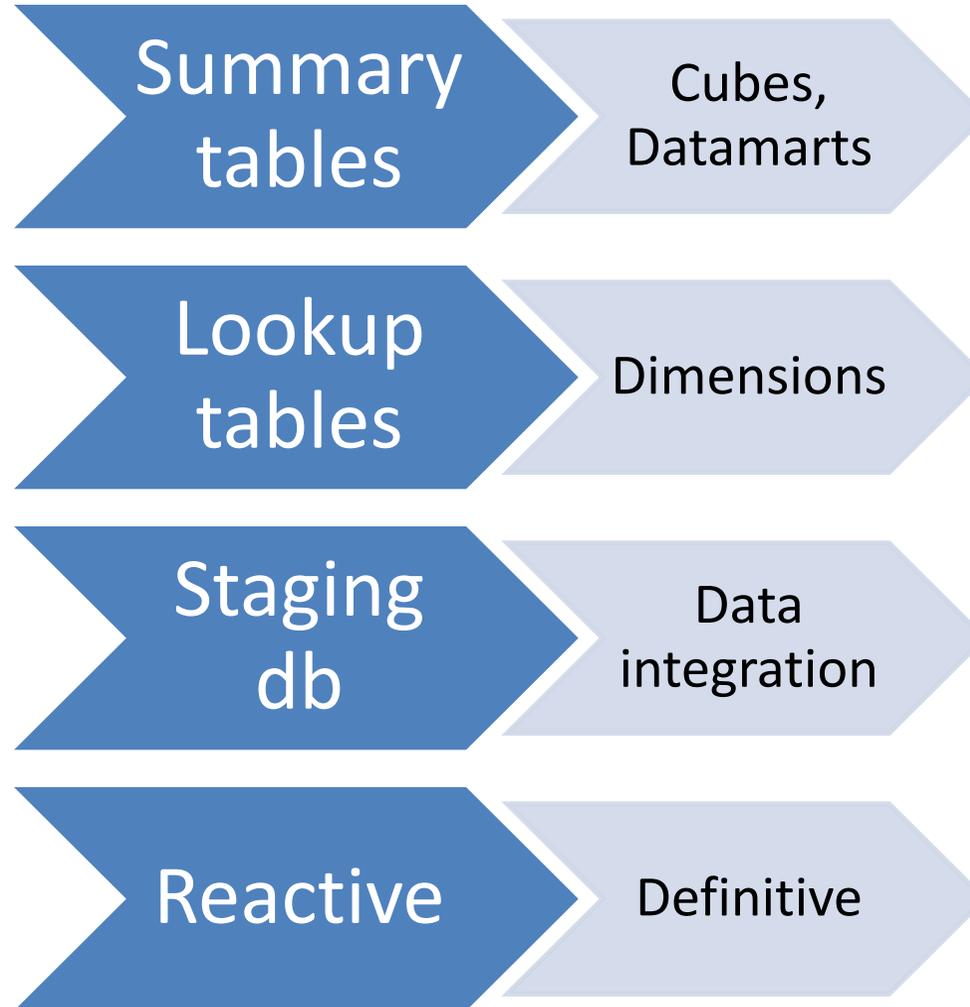
- Predictible
- Robust & Flexible
- Performance
- Custom layering

### Technical

- Reverse engineered business logic
- ORM vs. SP
- Test strategies

- Custom layering – ETL runs by hourly basis
  - Latest – Analysts
  - End of day – Managers
  - Historical – Executives
- Precalculation and Transformation
  - By precalculations ETL is simplified
  - Custom ETL is maintainable
- ORM or SP-s?
  - Objects vs. Indexes
  - Statistics
  - Generic vs. Performance
- Examples
  - Multi value fields
  - Codelists
- Test strategies – Performance testing
  - Load testing
  - Stress testing
  - Endurance testing





Name	Pending Change	User
usp_ETL_DIMENSION_TRANCHE_DATES_LOAN.sql		
usp_ETL_DIMENSION_TRANCHE_DATES_MNA.sql		
usp_ETL_DIMENSION_TRANCHE_DCM.sql		
usp_ETL_DIMENSION_TRANCHE_DETAILS_DCM.sql		
usp_ETL_DIMENSION_TRANCHE_DETAILS_ECM.sql		
usp_ETL_DIMENSION_TRANCHE_DETAILS_GROUPS_DCM.sql		
usp_ETL_DIMENSION_TRANCHE_DETAILS_GROUPS_ECM.sql		
usp_ETL_DIMENSION_TRANCHE_DETAILS_GROUPS_LOAN.sql		
usp_ETL_DIMENSION_TRANCHE_DETAILS_GROUPS_MNA.sql		
usp_ETL_DIMENSION_TRANCHE_DETAILS_LOAN.sql		
usp_ETL_DIMENSION_TRANCHE_DETAILS_MNA.sql		
usp_ETL_DIMENSION_TRANCHE_ECM.sql		
usp_ETL_DIMENSION_TRANCHE_INDUSTRYREGION_DCM.sql		
usp_ETL_DIMENSION_TRANCHE_INDUSTRYREGION_ECM.sql		
usp_ETL_DIMENSION_TRANCHE_INDUSTRYREGION_LOAN.sql		
usp_ETL_DIMENSION_TRANCHE_INDUSTRYREGION_MNA.sql		
usp_ETL_DIMENSION_TRANCHE_LOAN.sql		
usp_ETL_DIMENSION_TRANCHE_MNA.sql		
usp_ETL_DIMENSION_VALUES_DCM.sql		
usp_ETL_DIMENSION_VALUES_ECM.sql		
usp_ETL_DIMENSION_VALUES_LOAN.sql		
usp_ETL_DIMENSION_VALUES_MNA.sql		
usp_ETL_ENTITY_BG_INDEX_DIMENSION_ENTITY_INDEX.sql		
usp_ETL_ENTITY_BG_INDEX_GROUP.sql		
usp_ETL_ENTITY_BG_NAICS_DIMENSION_ENTITY_NAICS.sql		
usp_ETL_ENTITY_BG_NAICS_GROUP.sql		
usp_ETL_ENTITY_DIMENSION_ENTITY_DEALOGIC.sql		
usp_ETL_ENTITY_PARENT_MASTER.sql		
usp_ETL_ENTITY_SEEDLOOKUP.sql		
usp_ETL_FACT_DEAL_INSTITUTION_ENTITY_BG_INDEX_DIMENSION_ENTITY_INDEX.sql		
usp_ETL_FACT_DEAL_INSTITUTION_ENTITY_BG_INDEX_GROUP.sql		
usp_ETL_FACT_DEAL_INSTITUTION_ENTITY_BG_NAICS_DIMENSION_ENTITY_NAICS.sql		
usp_ETL_FACT_DEAL_INSTITUTION_ENTITY_BG_NAICS_GROUP.sql		
usp_ETL_FACT_DEAL_INSTITUTION_ISIN_BG_GROUP_ECM.sql		
usp_ETL_FACT_DEAL_INSTITUTION_PROCEEDS_BG_DIMENSION_PROCEEDS_ECM.sql		
usp_ETL_FACT_DEAL_INSTITUTION_PROCEEDS_BG_GROUP_ECM.sql		
usp_ETL_FACT_VALUE_BG_TRANCHE_INSTR_TYPE_GROUPS_DCM.sql		
usp_ETL_FACT_VALUE_BG_TRANCHE_INSTR_TYPE_GROUPS_ECM.sql		
usp_ETL_FACT_VALUE_BG_TRANCHE_INSTR_TYPE_GROUPS_LOAN.sql		
usp_ETL_FACT_VALUE_BG_TRANCHE_INSTR_TYPE_GROUPS_MNA.sql		
usp_ETL_FACT_VALUE_BG_TRANCHE_INSTR_TYPE_LOAN.sql		
usp_ETL_FACT_VALUE_ISIN_BG_DIMENSION_ISIN_DCM.sql		
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usp_ETL_FACT_VALUE_ISIN_BG_GROUP_ECM.sql		
usp_ETL_FACT_VALUE_ISIN_BG_GROUP_LOAN.sql		
usp_ETL_FACT_VALUE_ISIN_BG_GROUP_MNA.sql		
usp_ETL_FACT_VALUE_ISSUE_CHARACTERISTICS_BG_DIMENSION_ISSUE_CHARACTERISTICS_DCM.sql		
usp_ETL_FACT_VALUE_ISSUE_CHARACTERISTICS_BG_GROUP_DCM.sql		

```
-- IMPORTANT: The order of columns selected must match the order of columns in the temporary table in the master dimension
-- stored procedure.
WITH [cte] AS
(
    SELECT
        ROW_NUMBER() OVER(PARTITION BY ME.TRANCHE_NO_DD order by (select 0)) as rn,
        ME.TRANCHE_NO_DD,
        ME.DEAL_NO AS DEAL_ANALYTICS_DEAL_NO,
        ME.DEAL_NO_DD AS DEAL_GIB_DEAL_NO,
        DT.TRANCHE_ID AS ANALYTICS_TRANCHE_ID,

        --DEAL VALUES
        ED.GBL_AMT_FINAL_N_OA_US AS DEAL_GLOBAL_VALUE_USD,
        ED.GBL_AMT_FINAL_N_OA_US_BAND AS DEAL_GLOBAL_VALUE_USD_BAND,
        ED.GBL_AMT_FINAL_N_OA_EUR AS DEAL_GLOBAL_VALUE_EURO,
        ED.GBL_AMT_FINAL_N_OA_FOREX AS DEAL_GLOBAL_VALUE_FOREX,
        ED.TOT_AMT_FINAL_N_OA_US AS DEAL_TOTAL_VALUE_USD,
        ED.TOT_AMT_FINAL_N_OA_EUR AS DEAL_TOTAL_VALUE_EURO,
        ED.TOT_AMT_FINAL_N_OA_FOREX AS DEAL_TOTAL_VALUE_FOREX,
        ED.GBL_AMT_FILED_CUR_US AS DEAL_GLOBAL_VALUE_CURRENT_USD,
        ED.GBL_AMT_FILED_CUR_EUR AS DEAL_GLOBAL_VALUE_CURRENT_EURO,
        ED.GBL_AMT_FILED_CUR_FOREX AS DEAL_GLOBAL_VALUE_CURRENT_FOREX,

        --PRO FORMA VALUE
        ISNULL(ED.PRO_FORMA_US, 0) AS DEAL_GLOBAL_VALUE_PROFORMA_USD,
        ISNULL(ED.PRO_FORMA_EUR, 0) AS DEAL_GLOBAL_VALUE_PROFORMA_EURO,
        ISNULL(ED.PRO_FORMA_FOREX, 0) AS DEAL_GLOBAL_VALUE_PROFORMA_FOREX,

        -- Face Values
        ED.GBL_AMT_FINAL_N_OA_US AS DEAL_GLOBAL_VALUE_FACE_USD,
        ED.GBL_AMT_FINAL_N_OA_EUR AS DEAL_GLOBAL_VALUE_FACE_EURO,
        ED.GBL_AMT_FINAL_N_OA_FOREX AS DEAL_GLOBAL_VALUE_FACE_FOREX,
        ED.TOT_AMT_FINAL_N_OA_US AS DEAL_TOTAL_VALUE_FACE_USD,
        ED.TOT_AMT_FINAL_N_OA_EUR AS DEAL_TOTAL_VALUE_FACE_EURO,
        ED.TOT_AMT_FINAL_N_OA_FOREX AS DEAL_TOTAL_VALUE_FACE_FOREX,

        ,DT.TRANCHE_AMT_GROSS_FEE_ALL AS TRANCHE_GROSS_FEE_ALL_LOCAL
        ,DT.TRANCHE_AMT_GROSS_FEE_ALL_EUR AS TRANCHE_GROSS_FEE_ALL_EURO
        ,DT.TRANCHE_AMT_GROSS_FEE_ALL_FOREX AS TRANCHE_GROSS_FEE_ALL_FOREX
        ,DT.TRANCHE_AMT_GROSS_FEE_ALL_US AS TRANCHE_GROSS_FEE_ALL_USD

        ,DT.TRANCHE_AMT_GROSS_FEE_DISC AS TRANCHE_GROSS_FEE_DISC_LOCAL
        ,DT.TRANCHE_AMT_GROSS_FEE_DISC_EUR AS TRANCHE_GROSS_FEE_DISC_EURO
        ,DT.TRANCHE_AMT_GROSS_FEE_DISC_FOREX AS TRANCHE_GROSS_FEE_DISC_FOREX
        ,DT.TRANCHE_AMT_GROSS_FEE_DISC_US AS TRANCHE_GROSS_FEE_DISC_USD

        ,DT.TRANCHE_AMT_GROSS_FEE_MODEL AS TRANCHE_GROSS_FEE_MODEL_LOCAL
        ,DT.TRANCHE_AMT_GROSS_FEE_MODEL_US AS TRANCHE_GROSS_FEE_MODEL_USD
        ,DT.TRANCHE_AMT_GROSS_FEE_MODEL_EUR AS TRANCHE_GROSS_FEE_MODEL_EURO
        ,DT.TRANCHE_AMT_GROSS_FEE_MODEL_FOREX AS TRANCHE_GROSS_FEE_MODEL_FOREX

        ,DDT.GROSS_FEE_PCT AS DEAL_GROSS_FEE_PERCENT_DISCLOSED,

        DT.GROSS_FEE_PCT AS TRANCHE_GROSS_FEE_PERCENT_DISCLOSED,
        DT.GROSS_FEE_PCT_MODEL AS TRANCHE_GROSS_FEE_PERCENT_MODEL,
        DT.GROSS_FEE_PCT_ALL AS TRANCHE_GROSS_FEE_PCT_ALL,
        --Shares by Issuer and shares by shareholder
        cast(round (ED.SHARES_BY_ISSR_PCT,2)as float ) AS DEAL_SHARES_BY_ISSUER_PERCENT,
        cast(round (ED.SHARES_BY_SH_PCT,2)as float ) AS DEAL_SHARES_BY_SHAREHOLDER_PERCENT

    FROM MASTER_ECH ME
    INNER JOIN ECH_DEAL ED ON ME.DEAL_NO = ED.DEAL_NO
    INNER JOIN ECH_DEALTRANCHE DT ON ED.DEAL_NO = DT.DEAL_NO AND ME.TRANCHE_ID = DT.TRANCHE_ID
    LEFT JOIN ECH_DEALTRANCHE DOT ON ED.DEAL_NO = DOT.DEAL_NO AND DOT.TRANCHE_ID = 1
    LEFT JOIN ECH_TRANCHE_PRICEBOOK_TK_VIEW TK ON ED.DEAL_NO = TK.DEAL_NO AND TK.TRANCHE_ID = 1
)
SELECT * FROM cte WHERE rn = 1
END
```