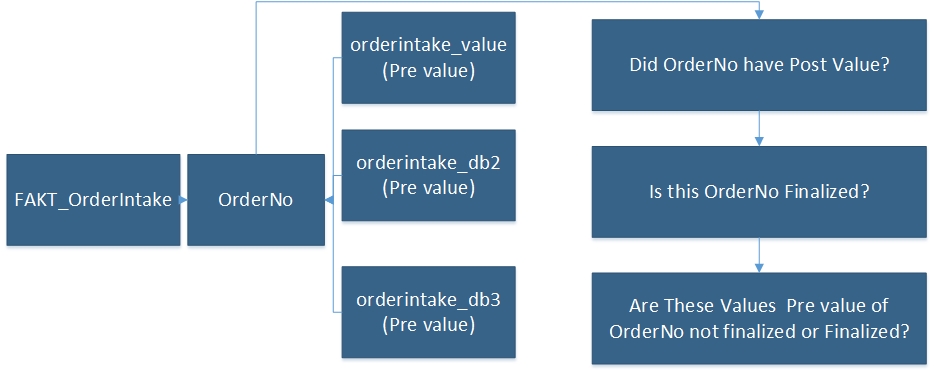
**Board implementation development**

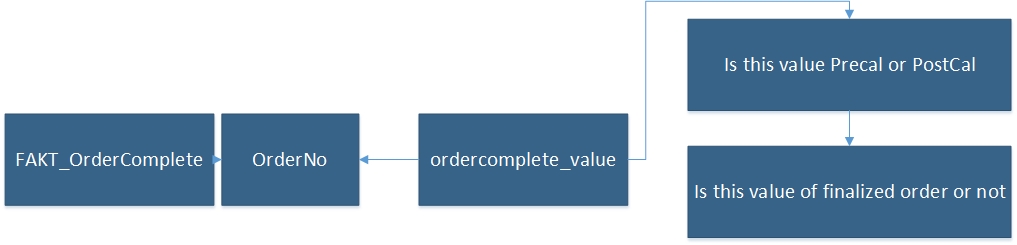
1. **Current Report cube on Board**

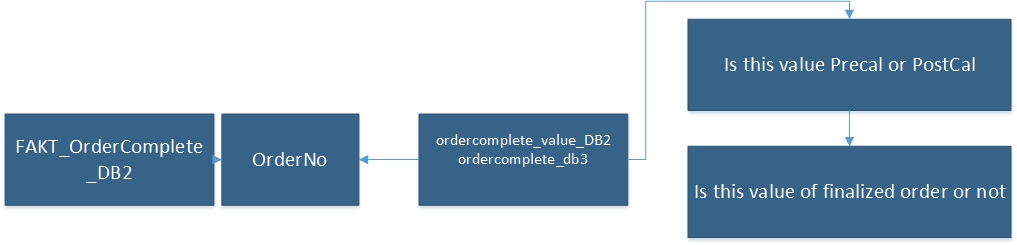


**The current cubes don’t distinguish between Pre-Calculation value and Post-calculation value.**

**E.g.:**

****

****

****

**Order Intake Value cube gets all value OrderValue (pre-cal) value for all orders**

**Order Intake DB2 cube gets all value OrderValue\_DB2 (pre-cal) value for all orders**

**Order Complete Value cube gets value of ordercomplete\_ value but no distinction Pre or Post ,depends on condition**

**Order Complete DB2 cube gets value of ordercomplete\_ value but no distinction Pre or Post ,depends on condition**

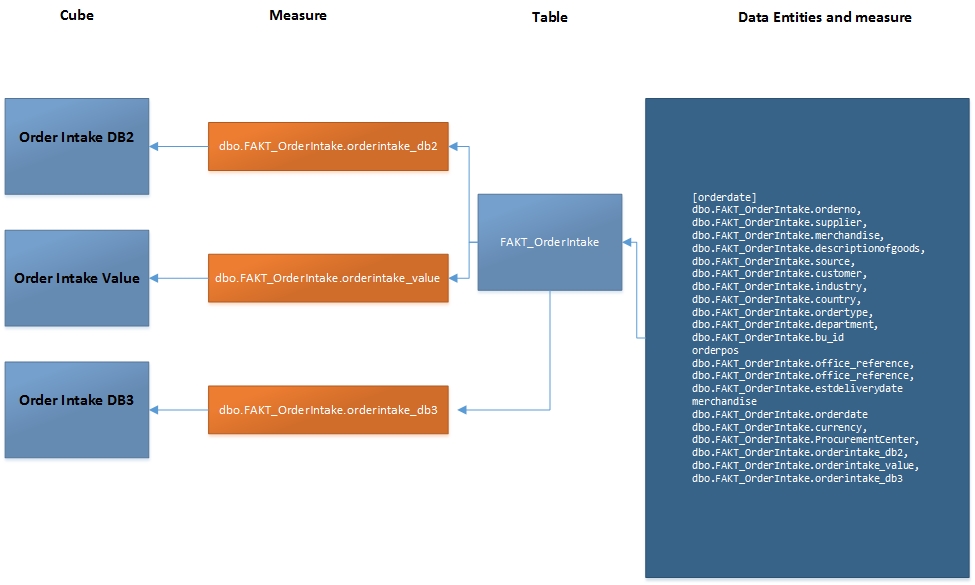
**The same issue with other cubes**

**The current Cube data**

**Order Intake Value**

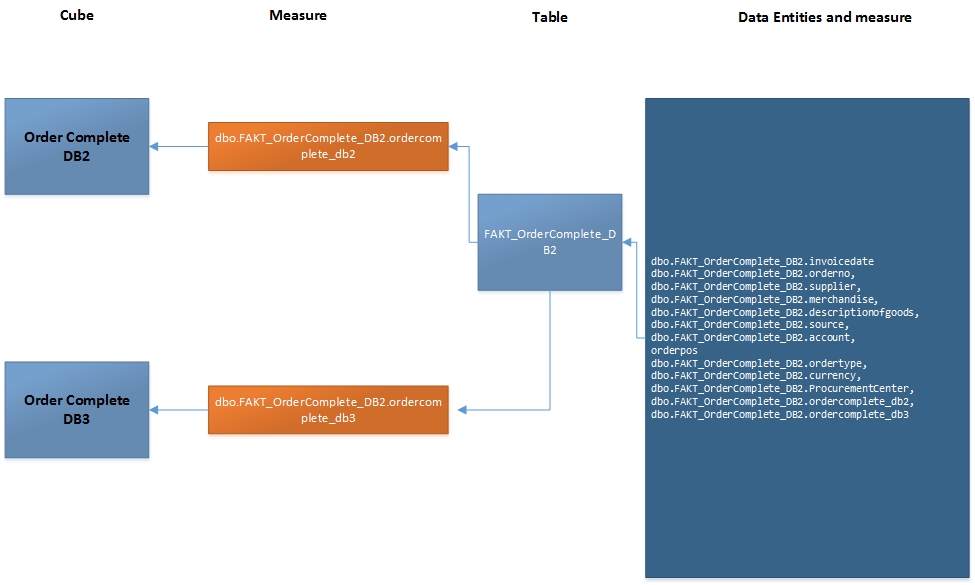
**Order Intake DB2**

**Order Intake DB3**

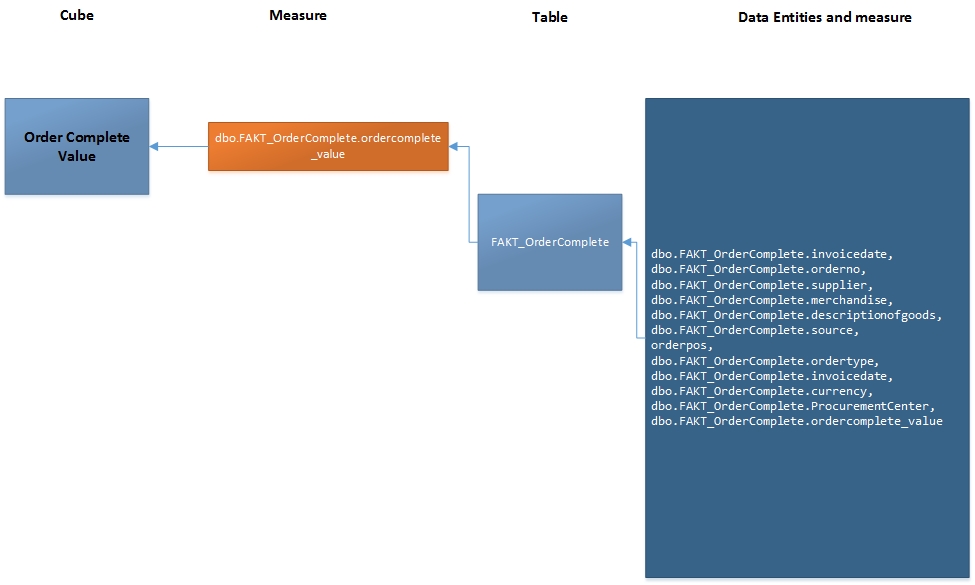
****

**Order Complete DB2**

**Order Complete DB3**

****

**Order Complete Value**

****

**Order Backlog Value**

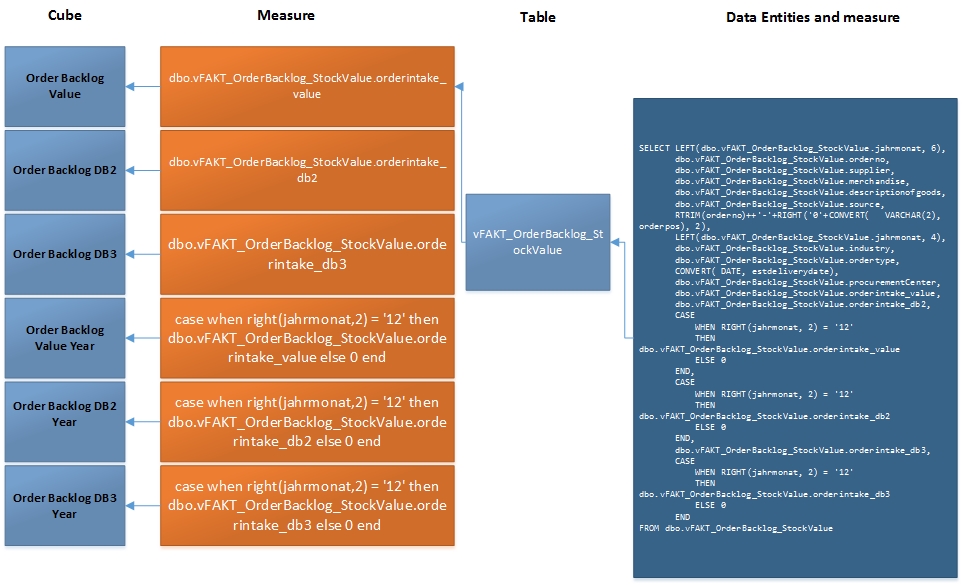
**Order Backlog DB2**

**Order Backlog DB3**

**Order Backlog Value Year**

**Order Backlog DB2 Year**

**Order Backlog DB3 Year**

****

**Expected Shipments Value**

**Expected Shipments DB2**

**Expected Shipments DB3**

**Expected Shipments Value Year**

**Expected Shipments DB2 Year**

**Expected Shipments DB3 Year**

****

1. **Solution**

**So we implement two group reporting and name PreCal-Reporting and PostCal-Reporting**

**For per group contains 18 cubes and the name will suffix (Pre) or (Post) for each cube’s name like original cube below**



**Group Reporting –PreCal**

**Pre Order Intake Value**

**Pre Order Intake DB2**

**Pre Order Complete Value**

**Pre Order Complete DB2**

**Pre Order Backlog Value**

**Pre Order Backlog DB2**

**Pre Expected Shipments Value**

**Pre Expected Shipments DB2**

**Pre Order Backlog Value Year**

**Pre Order Backlog DB2**

**Pre Expected Shipments Value Year**

**Pre Expected Shipments DB2 Year**

**Pre Order Intake DB3**

**Pre Order Complete DB3**

**Pre Order Backlog DB3**

**Pre Order Backlog DB3 Year**

**Pre Expected Shipments DB3 Year**

**Group Reporting – Post if yes, else Pre**

**Order Intake Value v2**

**Order Intake DB2 v2**

**Order Complete Value v2**

**Order Complete DB2 v2**

**Order Backlog Value v2**

**Order Backlog DB2 v2**

**Expected Shipments Value v2**

**Expected Shipments DB2 v2**

**Order Backlog Value Year v2**

**Order Backlog DB2 v2**

**Expected Shipments Value Year v2**

**Expected Shipments DB2 Year v2**

**Order Intake DB3 v2**

**Order Complete DB3 v2**

**Order Backlog DB3 v2**

**Order Backlog DB3 Year v2**

**Expected Shipments DB3 v2**

**Expected Shipments DB3 Year v2**

**Create two groups Data Reader to get data DWH**

**Group 1: Fact Pre logic :**

**order intake: get more** Precal\_IntakeValue, Precal\_IntakeValue\_currency, Precal\_IntakeDB2, Precal\_IntakeDB2\_currency, Precal\_IntakeDB3 **where Calculation\_status=0**

**order complete DB2: get more** Precal\_Value\_DB2 and  **where Calculation\_status=0**

**order complete value: get more** Precal\_Value,Precal\_currency and  **where Calculation\_status=0**

**order backlog stock:**

**order backlog actual**

**Group 2: Fact v2 Logic**

**order intake: : get more** Postcal\_IntakeValue, Postcal\_IntakeValue\_currency, Postcal\_IntakeDB2, postcal\_IntakeDB2\_currency, Postcal\_IntakeDB3 and if is null, get Precal\_IntakeValue, Precal\_IntakeValue\_currency, Precal\_IntakeDB2, Precal\_IntakeDB2\_currency, Precal\_IntakeDB3 and **where Calculation\_status=1**

**order complete DB2**

**get more** Postcal\_Value\_DB2 and If Postcal\_Value\_DB2 is null, get Precal\_Value\_DB2 and  **where Calculation\_status=1**

**order complete value**

**get more** PostCal\_value, PostCal\_value\_currency and if PostCal\_value, PostCal\_value\_currency is null,get Precal\_Value,Precal\_currency **and where Calculation\_status=1**

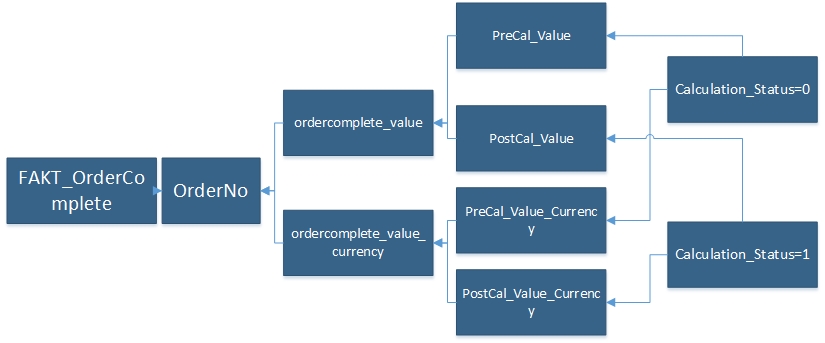
**order backlog stock**

**order backlog actual**

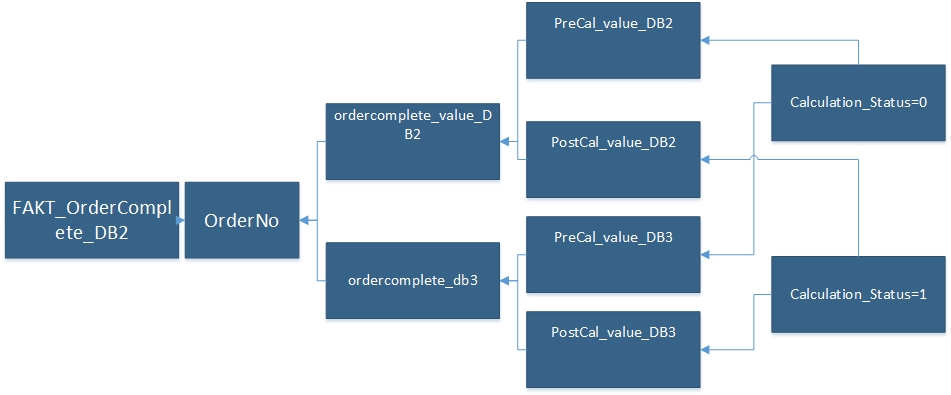
All cubes will get data from Data Warehouse by data reader on Board Application .

At DWH layer : some tables will be changed structure. Detail,

**FAKT\_Ordercomplete** will add 5 columns ( Precal\_Value,Precal\_currency, PostCal\_value, PostCal\_value\_currency, calculation\_status)



**FAKT\_Ordercomplete\_DB2** will add 5 columns ( Precal\_Value\_DB2,Precal\_ Value\_DB3, Postcal\_Value\_DB2,Postcal\_ Value\_DB3, calculation\_status)

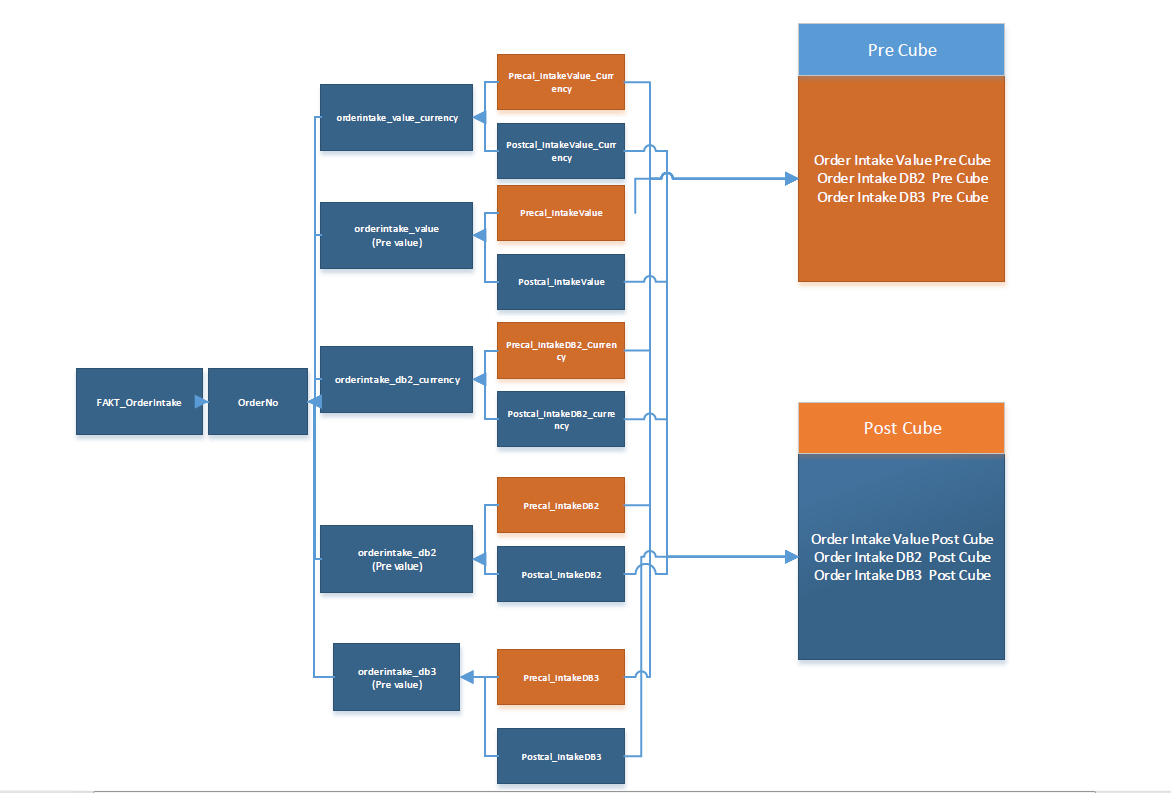


**FAKT\_OrderIntake** will add 11 columns

(Precal\_IntakeValue, Precal\_IntakeValue\_currency, Postcal\_IntakeValue, Postcal\_IntakeValue\_currency,

Precal\_IntakeDB2, Precal\_IntakeDB2\_currency, Postcal\_IntakeDB2, Postcal\_IntakeDB2\_currency,

Precal\_IntakeDB3, Postcal\_IntakeDB3,calculation status)

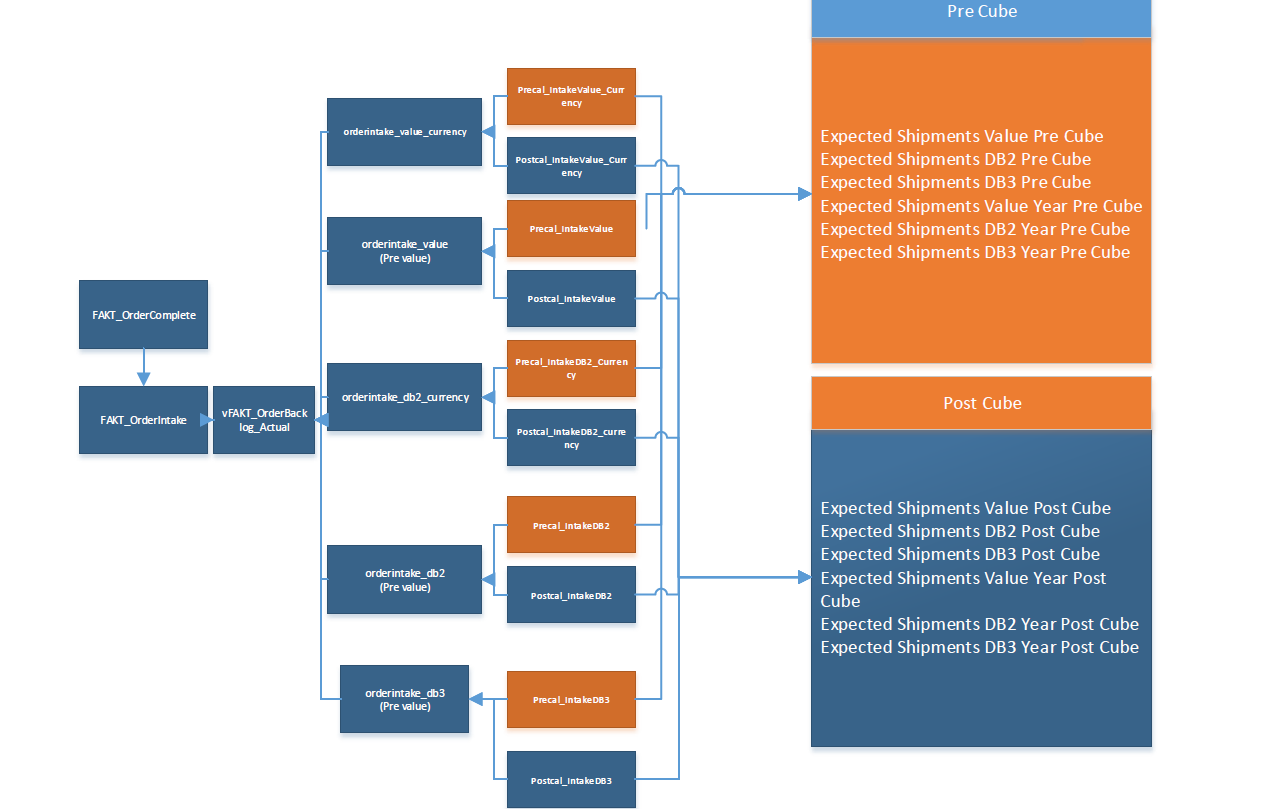


**vFAKT\_OrderBacklog\_Actual** will add 11 columns

(Precal\_IntakeValue, Precal\_IntakeValue\_currency, Postcal\_IntakeValue, Postcal\_IntakeValue\_currency,

Precal\_IntakeDB2, Precal\_IntakeDB2\_currency, Postcal\_IntakeDB2, Postcal\_IntakeDB2\_currency,

Precal\_IntakeDB3, Postcal\_IntakeDB3,calculation\_status)

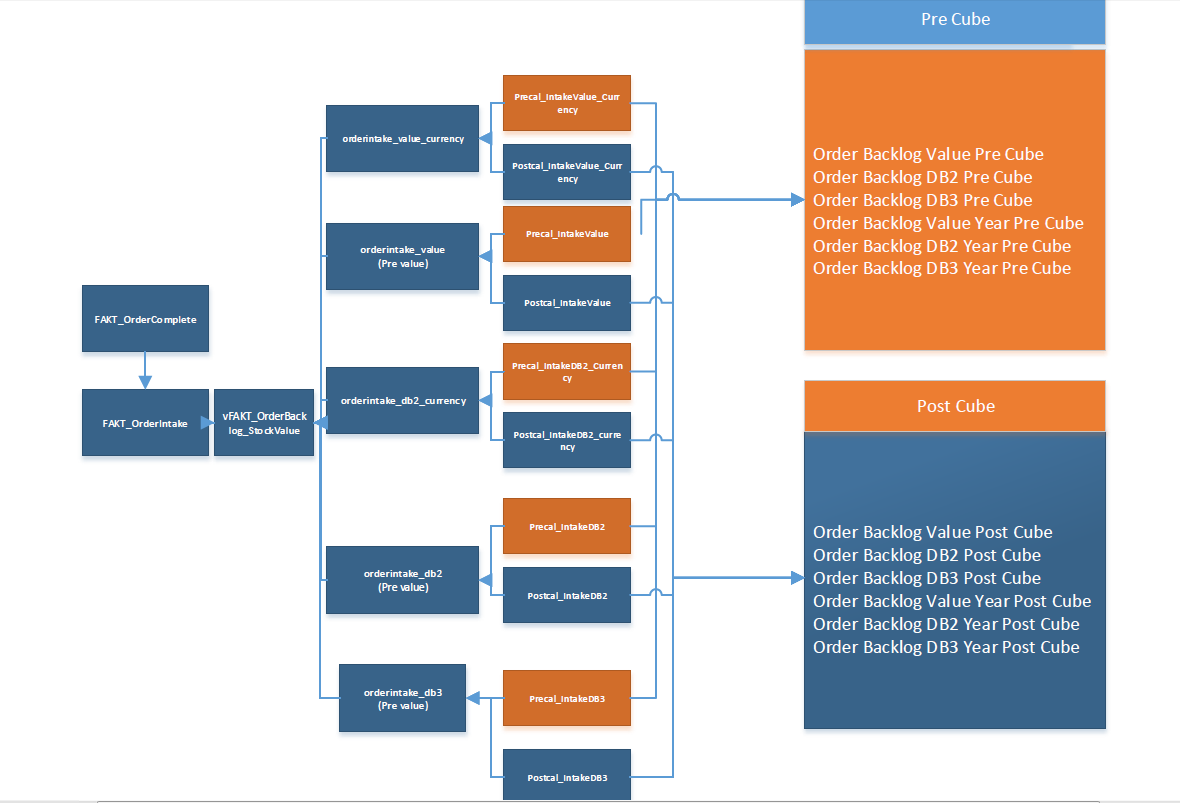


**vFAKT\_OrderBacklog\_StockValue** will add 11 columns

(Precal\_IntakeValue, Precal\_IntakeValue\_currency, Postcal\_IntakeValue, Postcal\_IntakeValue\_currency,

Precal\_IntakeDB2, Precal\_IntakeDB2\_currency, Postcal\_IntakeDB2, Postcal\_IntakeDB2\_currency,

Precal\_IntakeDB3, Postcal\_IntakeDB3,calculation status)



**We determine that when [calculation\_status] equal 1, is Post-Calculation value else equal 0 , is Pre-Calculation. We will load data wil have value of [calculation\_status] equal 1 for group cubes (Post) and value of [calculation\_status] equal 0 for (Pre)**