**Essbase Optimization Techniques**.

There are different optimization techniques.

1. Outline Optimization:

Arrange the dimension in **"Hour Glass Model"**

1. Dimension tagged as an Account Dimension Type  
   2)Dimension tagged as a Time Dimension Type  
   3) Largest dense  
   4)Smallest dense  
   5) Smallest sparse  
   6) Largest sparse
2. Using **Hour Glass** model improves the calculation Performance of the cube

**2.Data Load Optimization**

1) Always load the data from the Server than file system.  
2) The data should be at last after the combinations.  
3) Should use #MI instead of ‘0’s. If we use ‘0’ uses 8 bytes of memory for each cell.  
4) Restrict max Decimal Points to ‘3’ –à 1.234  
5) Data should be loaded in the form of Inverted Hourglass Model.(Largest sparse to Smallest Sparse followed by smallest Dense to Largest Dense data) .Sorting data prior to loading in this manner will allow a block to be fully populated prior to storing it on disk .thus eliminating the need to retrieve a previously created block from disk during the load.

**3. Calc script optimization:**

Use the set commands to increase the calculation performance.

**SET MSG SUMMARY**: Set the message level to summary.

**SET AGGMISSG ON**: To avoid the aggregation of #missing values.

**SET CACHE HIGH**: To increase the bugger size.

**SET NOTICE LOW**: To set the notices to low

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