

# Working With Aggregate Partitions

You can add system-defined aggregate partitions for models by modifying their underlying SML.

To create aggregate partitions for a model, edit the model file's underlying SML to include the `partitions` property. For more information, see [Models](#).

Be sure to deploy the model afterwards.

Once a query containing the dimension levels that you specified as a partition has been executed on the deployed model, the AtScale engine determines whether to build a new system aggregate with the partition, based on the following:

- ▲ If the estimated number of rows per partition meets or exceeds the threshold set in the engine setting `AGGREGATES.CREATE.PARTITION.SYSTEMDEFINEDAGGREGATE.THRESHOLD`.
- ▲ If the estimated number of partitions in the aggregate table exceeds the threshold set in `tables.create.partitions.maximumEstimatedNumberOfPartitions`, the table is not partitioned. The default value is 800.