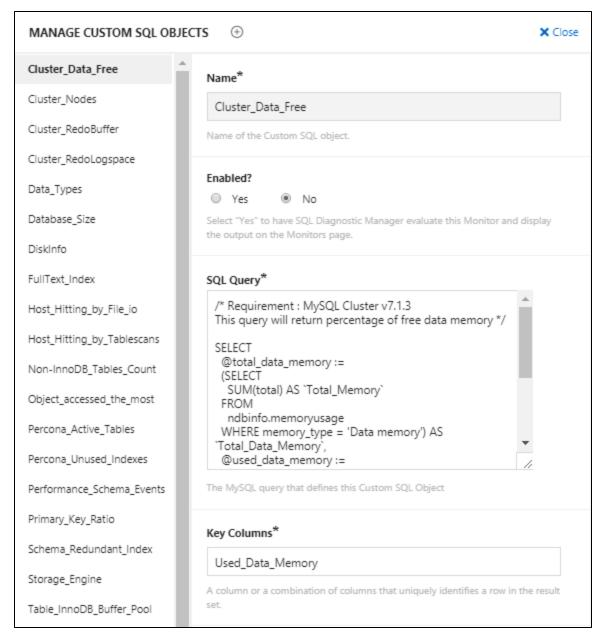
## **New CSOs and CSCs**

## What makes a CSO?

Choose Manage CSO from the drop-down. This opens up a form with the following details:

- SQL: Any user defined SQL which returns a result set.
- Key Columns: CSOs work with a result set which has unique rows. A combination of one or more columns of the result set can be made as a key column as long as long as this key column identifies a unique row in the result set.
- Server(s): Comma separated names of the servers for which this SQL needs to be queried every Collection Interval.
- Data Collection Interval: Interval in which this SQL is queried periodically. We recommend five minutes which also happens to be the default value.
- Purging Interval: The data retention time & we recommend seven days.



## Making its CSC

We create a CSC like any other monitor. Go to monitors page and select Add new monitor from the drop-down

- · Enter the name of the counter being added.
- Type in the name of the group to which this counter is being added.
- Choose the type of counter as Custom SQL.

- Formula: A MySQL server parameter that is needed to compute the value of this counter.
- Value: This defines a function that computes the value. Below, you can find a template:

```
var sqlObject = MONyog.UserObject('<Name of your Custom SQL Object>');
  if (!sql0bject || !sql0bject.isEnabled() || !MONyog.MySQL.Custom.Available)
     return '(n/a)';
   /* You will have to call select here to fetch the resultset. */
  var resultSet = sqlObject.select();
  var results = ''; /* results holds the resultset in the form of array of row(s).*/
   /*Get column(s) for each row from the result set */
  for (i in resultSet) {
     if (resultSet.length > 0)
        results += '<br>';
     results += resultSet[i].<Column name in resultset> +
         '.' + resultSet[i].<Column name in resultset>;
   if (results.length == 0)
       results = 'None';
  return results;
}
```

- Description: Description of Monitor/Advisor.
- Advice Text: Advise text to the Monitor/Advisor being added.

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