

NoSQL Report

-- # Comments

-- @database

-- ¶m = default value

-- data: { "values": %data% }

Struttura dati

-- { "result" : arrayOfMap / "arrayOfArray" / "mapOfArray" / "separated" ,
"\$1" : "key_of_X_field" , "\$2" : "key_of_Y_field" , ...
"\$l1" : "label_of_X_field" , "\$l2" : "label_of_Y_field" , ...
"max_rows" : max_values , "max_len" : max_length_of_values ,
"split_value" : "sep. values" , "split_field" : "sep. labels"
"perc": true/false (percentages),
"calc" : true/false (calculate min, max, avg, sum),
"sort" : field / -field }

Opzioni e attributi aggiuntivi

db.coll.find({">=field": '¶m'}).sort({fieldx: 1}).projection({fieldx : 1, fieldy: 1})

Query

```
/* -> application/javascript  
  alert(%data%);  
*/
```

Snippet di codice

NoSQL Report – Example

-- @db_test

-- &from=\$date-6m

-- "\$1":"x", "\$2":"y", "title":"Example"

db.stat.find({">=date":"&from"}).sort({month: 1}).projection({month: 1, values: 1})

SQL Report

-- # Comments

-- @datasource

-- ¶m = default value

-- data: { "values": %data% }

Struttura dati

-- SELECT fields FROM tables WHERE filter = ¶m;

Query di ciclo

-- { "result" : "arrayOfMap"/"arrayOfArray"/"mapOfArray"/"separated" ,
"\$1" : "key_of_X_field" , "\$2" : "key_of_Y_field" , ...
"\$l1" : "label_of_X_field" , "\$l2" : "label_of_Y_field" , ...
"max_rows" : max_values , "max_len" : max_length_of_values ,
"split_value" : "sep. values" , "split_field" : "sep. labels"
"perc" : true/false (percentages),
"calc" : true/false (calculate min, max, avg, sum),
"sort" : field / -field }

Opzioni e attributi aggiuntivi

SELECT X, Y, Z, ... FROM TABLES WHERE FILTER = ¶m ;

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....

Una o più query

```
/* -> application/javascript  
  alert(%data%);  
*/
```

Snippet di codice

SQL Report – Example

```
-- @db_test
```

```
-- &1=01-01-$XXXX ($YYYY=current year, $XXXX=last year)
```

```
-- &2=31-12-$XXXX
```

```
-- "$1":"x", "$2":"y", "$3":"z", "dal":"&1", "al":"&2"
```

```
select to_char(a.date, 'MM-YYYY') month,  
       count(a.yvalues) y,  
       count(a.zvalues) z  
from statistics a  
where a.date >= to_date('&1', 'dd-mm-yyyy')  
and a.date < to_date('&2', 'dd-mm-yyyy')+1  
group by to_char(a.date, 'MM-YYYY')  
order by to_char(a.date, 'MM-YYYY')
```

SQL Report – Response

```
{  
  "success" : true,  
  "message" : "Report executed in 78 ms",  
  "xkey" : "x",  
  "ykeys" : [ "y", "z" ],  
  "xlabel" : "MONTH",  
  "ylabel" : ["Y","Z"],  
  "labels" : ["MONTH","Y","Z"],  
  "data" : [{"x" : "02-2013", "y" : 6.0, "z" : 6.0},  
            {"x" : "03-2013", "y" : 8.0, "z" : 8.0},  
            {"x" : "05-2013", "y" : 82.0, "z" : 81.0},  
            {"x" : "06-2013", "y" : 6.0, "z" : 6.0},  
            {"x" : "09-2013", "y" : 1.0, "z" : 1.0},  
            {"x" : "10-2013", "y" : 3.0, "z" : 3.0}],  
  "dal" : "01-01-2013",  
  "al" : "31-12-2013",  
  "rows" : 6  
}
```