


QBJoins

 Apr 07, 2024 04:22

Supported Clients

SmartClient WebClient NGClient

Property Summary

QBTableClause parent

QBSelect root

Get query builder parent table clause, this may be a query or a join clause.
Get query builder parent.

Methods Summary

QBJoin	add(subqueryBuilder, joinType)	Add a join clause from the parent query builder part to a derived table based on another query.
QBJoin	add(subqueryBuilder, joinType, alias)	Add a join clause from the parent query builder part to a derived table based on another query.
QBJoin	add(dataSource)	Add a join with join type IQueryBuilderJoin#LEFT_OUTER_JOIN and no alias for the joining table.
QBJoin	add(dataSource, joinType)	Add a join with no alias for the joining table.
QBJoin	add(dataSource, joinType, alias)	Add a join clause from the parent query builder part to the specified data source.
QBJoin	add(dataSourceOrRelation, alias)	Add a join based on relation or add a manual join.
Array	getJoins()	
QBJoins	removeUnused(keepInnerjoins)	Remove the joins that are not used anywhere in the query.

Property Details

parent

Get query builder parent table clause, this may be a query or a join clause.

Returns

QBTableClause

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var query = datasources.db.example_data.person.createSelect();
    query.where.add(query.joins.person_to_parent.joins.person_to_parent.columns.name.eq('john'))
    foundset.loadRecords(query)
```

root

Get query builder parent.

Returns

QBSelect

Supported Clients

SmartClient,WebClient,NGClient

Sample

```

var subquery = datasources.db.example_data.order_details.createSelect();

    var query = datasources.db.example_data.orders.createSelect();
    query.where.add(query
        .or
            .add(query.columns.order_id.not.isin([1, 2, 3]))
            .add(query.exists(
                subquery.where.add(subquery.columns.orderid.eq(query.columns.order_id)).
root
            ))
        )

    foundset.loadRecords(query)

```

Methods Details**add(subqueryBuilder, joinType)**

Add a join clause from the parent query builder part to a derived table based on another query.

Parameters

[QBSelect](#) subqueryBuilder;
[Number](#) joinType ;

Returns

[QBJoin](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample**add(subqueryBuilder, joinType, alias)**

Add a join clause from the parent query builder part to a derived table based on another query.

Parameters

[QBSelect](#) subqueryBuilder;
[Number](#) joinType ;
[String](#) alias ;

Returns

[QBJoin](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```

var subquery = datasources.db.example_data.products.createSelect();
subquery.where.add(subquery.columns.supplierid.eq(99));
subquery.result.add(subquery.columns.categoryid, 'subcat')
subquery.result.add(subquery.columns.productid, 'subprod')

var query = datasources.db.example_data.order_details.createSelect();
// add a join on a derived table using a subquery
var join = query.joins.add(subquery, QBJoin.INNER_JOIN, 'subprods');
join.on.add(query.columns.productid.eq(join.columns['subprod']));
query.result.add(query.columns.quantity);
query.result.add(join.columns['subcat']);

```

add(dataSource)

Add a join with join type IQueryBuilderJoin#LEFT_OUTER_JOIN and no alias for the joining table.

Parameters

[String](#) dataSource data source

Returns[QBJoin](#)**Supported Clients**

SmartClient,WebClient,NGClient

Sample

```
var query = datasources.db.example_data.orders.createSelect();
/** @type {QBJoin<db:/example_data/order_details>} */
var join = query.joins.add('db:/example_data/order_details', QBJoin.INNER_JOIN, 'odetail')
join.on.add(join.columns.orderid.eq(query.columns.orderid))
// to add a join based on a relation, use the relation name
var join2 = query.joins.add('orders_to_customers', 'cust')
query.where.add(join2.columns.customerid.eq(999))
foundset.loadRecords(query)
```

add(dataSource, joinType)

Add a join with no alias for the joining table.

Parameters[String](#) dataSource data source[Number](#) joinType join type, one of QBJoin.LEFT_OUTER_JOIN, QBJoin.INNER_JOIN, QBJoin.RIGHT_OUTER_JOIN, QBJoin.FULL_JOIN**Returns**[QBJoin](#)**Supported Clients**

SmartClient,WebClient,NGClient

Sample

```
var query = datasources.db.example_data.orders.createSelect();
/** @type {QBJoin<db:/example_data/order_details>} */
var join = query.joins.add('db:/example_data/order_details', QBJoin.INNER_JOIN, 'odetail')
join.on.add(join.columns.orderid.eq(query.columns.orderid))
// to add a join based on a relation, use the relation name
var join2 = query.joins.add('orders_to_customers', 'cust')
query.where.add(join2.columns.customerid.eq(999))
foundset.loadRecords(query)
```

add(dataSource, joinType, alias)

Add a join clause from the parent query builder part to the specified data source.

Parameters[String](#) dataSource data source[Number](#) joinType join type, one of IQueryBuilderJoin#LEFT_OUTER_JOIN, IQueryBuilderJoin#INNER_JOIN, IQueryBuilderJoin#RIGHT_OUTER_JOIN, IQueryBuilderJoin#FULL_JOIN[String](#) alias the alias for joining table**Returns**[QBJoin](#)**Supported Clients**

SmartClient,WebClient,NGClient

Sample

```
var query = datasources.db.example_data.orders.createSelect();
/** @type {QBJoin<db:/example_data/order_details>} */
var join = query.joins.add('db:/example_data/order_details', QBJoin.INNER_JOIN, 'odetail')
join.on.add(join.columns.orderid.eq(query.columns.orderid))
// to add a join based on a relation, use the relation name
var join2 = query.joins.add('orders_to_customers', 'cust')
query.where.add(join2.columns.customerid.eq(999))
foundset.loadRecords(query)
```

add(dataSourceOrRelation, alias)

Add a join based on relation or add a manual join.
 When dataSourceOrRelation is a relation name, a join will be added based on the relation.
 When dataSourceOrRelation is a data source, an empty join will be added with join type
 IQueryBuilderJoin#LEFT_OUTER_JOIN.

Parameters

[String](#) dataSourceOrRelation data source
[String](#) alias the alias for joining table

Returns

[QBJoin](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var query = datasources.db.example_data.orders.createSelect();
/** @type {QBJoin<db:/example_data/order_details>} */
var join = query.joins.add('db:/example_data/order_details', QBJoin.INNER_JOIN, 'odetail')
join.on.add(join.columns.orderid.eq(query.columns.orderid))
// to add a join based on a relation, use the relation name
var join2 = query.joins.add('orders_to_customers', 'cust')
query.where.add(join2.columns.customerid.eq(999))
foundset.loadRecords(query)
```

getJoins()

Returns

[Array](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

removeUnused(keepInnerjoins)

Remove the joins that are not used anywhere in the query.

Parameters

[Boolean](#) keepInnerjoins when true inner joins are not removed, inner joins may impact the query result, even when not used

Returns

[QBJoins](#)

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var query = datasources.db.example_data.orders.createSelect()
// a joins is added from the relation
query.sort.add(query.joins.orders_to_detail.columns.price.sum.asc)
// clearing the sort does not remove the joins
query.sort.clear()
// remove the unused joins
query.joins.removeUnused(false)
```