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## TQL Custom Tags

Custom tags for performing TQL based operations.

Documentation on [Transfer Query Language](#)

These custom tags can be used to perform both *listByQuery*' and *readByQuery*' operations via a alternate syntax than their CFC based implementations.

### query

Tag for performing a TQL query.

#### Syntax

```
<query
  transfer = transfer cfc
  name = "name of the query"
  action = list|read
  class = "transfer class"
  cacheEvaluation = true|false
  distinctMode = true|false
  aliasColumns = true|false
>
</query>
```

#### Attributes

Attribute	Req/Opt	Default	Description
transfer	Required	-	The Transfer library, as returned from <code>transferFactory.getTransfer()</code>
name	Required	-	If <i>action=list</i> , then the name of the variables to return the query to If <i>action=read</i> , then the name of the variable to return the TransferObject to
action	Optional	'list'	<i>list</i> : performs a <a href="#">listByQuery()</a> operation. <i>read</i> : performs a <a href="#">readByQuery()</a> operation.
class	Required only if <i>action=read</i>	-	The class to read when performing the <a href="#">readByQuery()</a> operation.
cacheEvaluation	Optional	true	Whether or not to cache the evaluation of the TQL, which is good for performance.
distinctMode	Optional	false	Whether or not to have the resultant SQL run as <code>SELECT DISTINCT...</code>
aliasColumns	Optional	true	Whether or not to alias the the column names on the resultant Query object with the property names configured in the <a href="#">Transfer Configuration File</a> .

## queryparam

Tag for setting dynamic values within the TQL query.

### Syntax

```

<query .... >
  <!-- tql -->
  <queryparam
    value = "the value of the parameter"
    type = string|date|boolean|numeric|GUID|UUID|binary
    list = true|false
    isNull = true|false
  >
  <!-- tql -->
</query>

```

### Attributes

Attribute	Req/Opt	Default	Description
value	Required, unless <i>isNull = true</i>	-	The value of the parameter
type	Optional	string	The type of the value for the parameter, either string, numeric, boolean, GUID, UUID or binary.
list	Optional	false	Whether or not the value is a delimited list of values, and should be handled separately.
isNull	Optional	false	Whether the passed in value is actually NULL or not.

### Examples

```

<cfimport prefix="t" taglib="/transfer/tags">

<!-- Do list operations -->

<t:query name="result" transfer="#getTransfer()#">
  select
    u.firstName, u.lastName
  from
    user.User as u
  where
    u.email like <t:queryparam value="%example.com" type="string">
</t:query>

<!-- Do read operations -->

<!-- Get a single record as a TransferObject -->
<t:query name="user" action="read" class="user.User" transfer="#getTransfer()#">
  from
    user.User as u
  where
    u.email = <t:queryparam value="user@foo.com" type="string">
</t:query>

```

 Categories:

- [TQL](#)