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Top 10 Reasons to Use EntityFieldQuery (EFQ)

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1. Core

class EntityFieldQuery

bit.ly/d7-efq

1. Core

Finds entities based on entity properties, field values, and generic entity meta data

2. Welll-Documented

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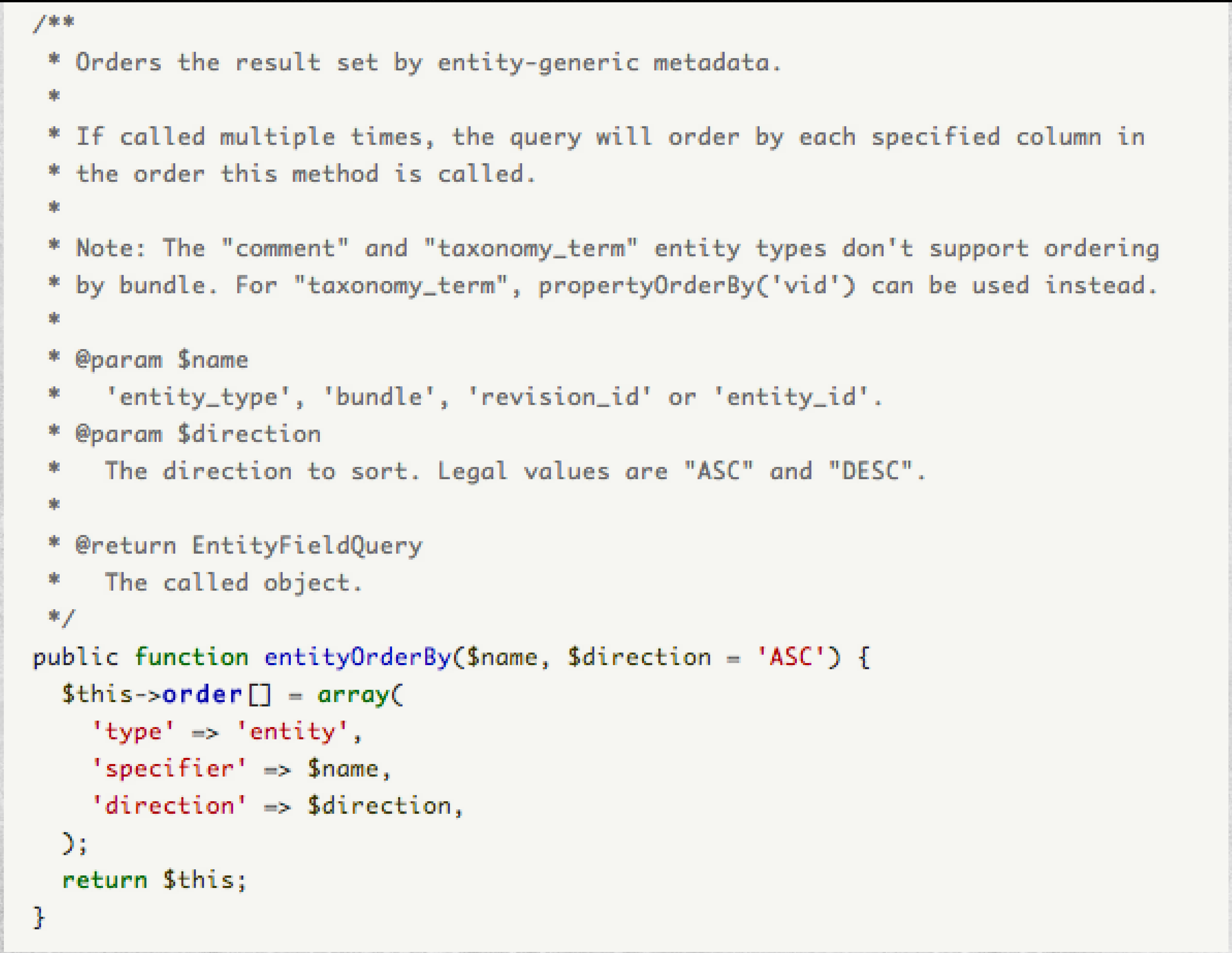
2. Well-Documented



```php
/**
 * Orders the result set by entity-generic metadata.
 *
 * If called multiple times, the query will order by each specified column in
 * the order this method is called.
 *
 * Note: The "comment" and "taxonomy_term" entity types don't support ordering
 * by bundle. For "taxonomy_term", propertyOrderBy('vid') can be used instead.
 *
 * @param $name
 *   'entity_type', 'bundle', 'revision_id' or 'entity_id'.
 * @param $direction
 *   The direction to sort. Legal values are "ASC" and "DESC".
 *
 * @return EntityFieldQuery
 *   The called object.
 */
public function entityOrderBy($name, $direction = 'ASC') {
  $this->order[] = array(
    'type' => 'entity',
    'specifier' => $name,
    'direction' => $direction,
  );
  return $this;
}
```

3. Simple

```
//start
$query = new EntityFieldQuery();
```

3. Simple

```
//finish
$result = $query->execute();
```

4. Consumable

```
$query
  ->entityCondition('entity_type', 'node')
  ->entityCondition('bundle', 'article')
  ->propertyCondition('status', 1)
  ->propertyOrderBy('created', 'DESC');
```

4. Consumable

```
//views query
SELECT node.created AS node_created, node.nid AS nid
FROM {node} node
WHERE (( (node.status = 1) )AND(( (node.type IN  ('article')) )))
ORDER BY node_created DESC
```

4. Consumable

```
$query
  ->entityCondition('entity_type', 'node')
  ->entityCondition('bundle', 'article')
  ->propertyCondition('status', 1)
  ->propertyOrderBy('created', 'DESC')
 ->fieldCondition('field_us_state', 'value', array('MN'))
 ->range(0,10)
```

4. Consumable

```
SELECT node.created AS node_created, node.nid AS nid
FROM {node} node
INNER JOIN {field_data_field_location_state} f_state ON node.nid = f_state.entity_id AND
(f_state.entity_type = 'node' AND f_state.deleted = 0)
WHERE (( (node.status = 1) )
AND(( (node.type IN  ('article'))
AND (f_state.field_location_state_value = 'MN') )))
ORDER BY node_created DESC
LIMIT 10 OFFSET 0
```

5. Object-Oriented

class EntityFieldQuery

Proper methods, implements drupal hooks

5. Object-Oriented

```
public function execute() {
  // Give a chance to other modules to alter the query.
  drupal_alter('entity_query', $this);
  $this->altered = TRUE;
 //more stuff
}
```

5. Object-Oriented

modularity

idempotency

Symfony?

6. Extensible

```
class NodeEntityFieldQuery extends EntityFieldQuery {
  public function __construct() {
    // now we don't need to define these over and over anymore
    $this
      ->entityCondition('entity_type', 'node')
      ->propertyCondition('status', 1)
      ->propertyOrderBy('created', 'DESC');
    ...
```

7. Alterable

```
hook_field_storage_query()
field_sql_storage_field_storage_query(EntityFieldQuery $query)
//derivative of SelectQuery
$select_query = db_select($tablename, $table_alias);
```

7. Alterable

//get all the SelectQuery/Query goodness

hook_query_TAG_alter()

7. Alterable

//OR

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7. Alterable

```
$query
  ->leftJoin('field_data_field_archive', 'a', 'node.nid = a.entity_id');
 if ($tid) {
  $or = db_or()
      ->condition('a.field_archive_tid', array($tid), 'NOT IN')   ->isNull('a.field_archive_tid');
  $query
   ->condition($or);
 }
```

8. Exception Handling

//be a good neighbor

throw new EntityFieldQueryException

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9. View Modes

```
$nids = array_keys($result['node'])

$nodes = node_load_multiple($nids)

node_view_multiple($nodes, 'teaser');
```

9. View Modes

//tim cosgrove

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10. Beans

drupal.org/project/bean

bit.ly/d7-efqbeans

10. Beans

```
public function view( … ) {
  //do EFQ
  $query->setCustomCondition($bean->filters['foo']);
  $result = $query->execute();
  //cycle through $result
  $nodes_view_mode = $bean->nodes_view_mode['option'];
  node_view($node, $nodes_view_mode);
  …
```

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bit.ly/d7-efq2

bit.ly/d7-efq3

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Questions??