

QUERIES TEST

</> AX_QYD_L3_E1

```
1 a!queryRecordType(  
2   recordType: recordType!Vehicle,  
3   fields: {  
4     Vehicle.maintenance.cost  
5   },  
6   pagingInfo: a!pagingInfo(  
7     startIndex: 1,  
8     batchSize: 100  
9   )  
10 ).data
```

Place cursor on function, rule, or constant to display help

Test Output

Time 57 ms (View Performance) Type List of Vehicle

Value Formatted Raw Expression

- List of Vehicle - 32 items
 - Vehicle
 - vehicleId 1 (Number (Integer))
 - maintenance List of Maintenance - 6 items
 - Maintenance
 - requestId 1 (Number (Integer))
 - cost 50 (Number (Integer))
 - Maintenance
 - requestId 42 (Number (Integer))
 - cost 50 (Number (Integer))
 - Maintenance
 - requestId 43 (Number (Integer))
 - cost 200 (Number (Integer))
 - Maintenance
 - requestId 59 (Number (Integer))
 - cost 900 (Number (Integer))
 - Maintenance
 - requestId 60 (Number (Integer))
 - cost 70 (Number (Integer))
 - Maintenance
 - requestId 114 (Number (Integer))
 - cost 120 (Number (Integer))
 - make "Ford" (Text)
 - model "F150" (Text)
 - color "Red" (Text)
 - mileage 500 (Number (Integer))
 - year 2019 (Number (Integer))
 - vin "2F2DE48C8N4309374" (Text)
 - lastMaintenanceDate 6/8/2020 (Date)
 - nextMaintenanceDate 8/10/2020 (Date)
 - image 3544 (Number (Integer))
 - addedBy "regina.registrar" (Text)
 - dateAdded 5/4/2019 (Date)

</> AX_QYD_L3_E2

```
1 a!queryRecordType(  
2   recordType: recordType!Vehicle,  
3   fields: a!aggregationFields(  
4     groupings: {  
5       a!grouping(  
6         field: Vehicle.make,  
7         alias: "vehicleMake"  
8       )  
9     },  
10    measures: {  
11     a!measure(  
12       function: "COUNT",  
13       field: Vehicle.make,  
14       alias: "count"  
15     )  
16   }  
17 ),  
18 pagingInfo: a!pagingInfo(  
19   startIndex: 1,  
20   batchSize: 100  
21 )  
22 ).data
```

Place cursor on function, rule, or constant to display help

Test Inputs

Ad Hoc Test Test Cases (0)

Test Output

Time 67 ms (View Performance) Type List of Map

Value Formatted Raw Expression

- List of Map - 8 items
 - Map
 - vehicleMake "Chevy" (Text)
 - count 1 (Number (Integer))
 - Map
 - vehicleMake "Ford" (Text)
 - count 9 (Number (Integer))
 - Map
 - vehicleMake "Honda" (Text)
 - count 8 (Number (Integer))
 - Map
 - vehicleMake "Honda" (Text)
 - count 1 (Number (Integer))
 - Map
 - vehicleMake "Lexus" (Text)
 - count 2 (Number (Integer))
 - Map
 - vehicleMake "MB" (Text)
 - count 1 (Number (Integer))
 - Map
 - vehicleMake "Toyota" (Text)
 - count 5 (Number (Integer))
 - Map
 - vehicleMake "VW" (Text)
 - count 5 (Number (Integer))

AX_QYD_L3_E3 SAVE C

```

1 alqueryEntity(
2   entity: cons!AA_VEHICLES_DSE_POINTER,
3   query: alquery(
4     selection: alquerySelection(
5       columns: {
6         alqueryColumn(
7           field: "vehicleID"
8         ),
9         alqueryColumn(
10          field: "vehicleMake"
11        ),
12        alqueryColumn(
13          field: "vehicleModel"
14        ),
15        alqueryColumn(
16          field: "vehicleMileage"
17        ),
18        alqueryColumn(
19          field: "vehicleYear"
20        )
21      }
22    ),
23    pagingInfo: alpagingInfo(
24      startIndex: 1,
25      batchSize: 50
26    )
27  ),
28  fetchTotalCount: false
29 ).data

```

Place cursor on function, rule, or constant to display help

Ad Hoc Test | Test Cases (0)

Test Inputs TEST RULE

Test Output

Time 16 ms (View Performance) Type List of Variant

Value Formatted Raw Expression

List of Dictionary - 32 items

- Dictionary
 - vehicleID 1 (Number (Integer))
 - vehicleMake "Ford" (Text)
 - vehicleModel "F150" (Text)
 - vehicleMileage 500 (Number (Integer))
 - vehicleYear 2019 (Number (Integer))
- Dictionary
 - vehicleID 2 (Number (Integer))
 - vehicleMake "Lexus" (Text)
 - vehicleModel "ES350" (Text)
 - vehicleMileage 7000 (Number (Integer))
 - vehicleYear 2019 (Number (Integer))
- Dictionary
 - vehicleID 3 (Number (Integer))
 - vehicleMake "VW" (Text)
 - vehicleModel "Corrado" (Text)
 - vehicleMileage 25000 (Number (Integer))
 - vehicleYear 2015 (Number (Integer))
- Dictionary
 - vehicleID 4 (Number (Integer))
 - vehicleMake "Honda" (Text)
 - vehicleModel "Pilot" (Text)
 - vehicleMileage 1000 (Number (Integer))
 - vehicleYear 2020 (Number (Integer))
- Dictionary

AX_QYD_L4_E1 SAVE C

```

1 alqueryRecordType(
2   recordType: recordType!Vehicle,
3   fields: {
4     Vehicle.maintenance.cost
5   },
6   filters: alqueryLogicalExpression(
7     operator: "AND",
8     filters: {
9       alqueryFilter(
10        field: Vehicle.mileage,
11        operator: "<",
12        value: cons!AA_VEHICLE_HIGH_MILEAGE
13      )
14    },
15    ignoreFiltersWithEmptyValues: true
16  ),
17  pagingInfo: alpagingInfo(
18    startIndex: 1,
19    batchSize: 100
20  )
21 ).data

```

Place cursor on function, rule, or constant to display help

Ad Hoc Test | Test Cases (0)

Test Inputs TEST RULE

Test Output

Time 84 ms (View Performance) Type List of Vehicle

Value Formatted Raw Expression

List of Vehicle - 30 items

- Vehicle
 - vehicleid 1 (Number (Integer))
 - maintenance List of Maintenance - 6 items
 - make "Ford" (Text)
 - model "F150" (Text)
 - color "Red" (Text)
 - mileage 500 (Number (Integer))
 - year 2019 (Number (Integer))
 - vin "2F2DE48C8N4309374" (Text)
 - lastMaintenanceDate 6/8/2020 (Date)
 - nextMaintenanceDate 8/10/2020 (Date)
 - image 3544 (Number (Integer))
 - addedBy "regina.registrar" (Text)
 - dateAdded 5/4/2019 (Date)
 - modifiedBy "community.admin" (Text)
 - modifiedDate 10/7/2021 (Date)
 - conditionId 10 (Number (Integer))
 - statusId 9 (Number (Integer))
 - categoryId 3 (Number (Integer))
 - MileageCategory "Low" (Text)
 - addedMonth 5 (Number (Integer))
 - addedYear 2019 (Number (Integer))
- Vehicle
 - vehicleid 2 (Number (Integer))
 - maintenance List of Maintenance - 2 items

</> AX_QYD_L4_E2
SAVE

```

1  alqueryRecordType(
2    recordType: recordType!Vehicle,
3    fields: {
4      Vehicle.maintenance.cost
5    },
6    filters: alqueryLogicalExpression(
7      operator: "AND",
8      filters: {
9        alqueryFilter(
10         field: Vehicle.mileage,
11         operator: "<",
12         value: const!AA_VEHICLE_HIGH_MILEAGE
13       )
14     },
15     ignoreFiltersWithEmptyValues: true
16   ),
17   relatedRecordData: alrelatedRecordData(
18     relationship: Vehicle.maintenance,
19     filters: alqueryFilter(
20       field: Maintenance.cost,
21       operator: ">",
22       value: 200
23     )
24   ),
25   pagingInfo: alpagingInfo(
26     startIndex: 1,
27     batchSize: 100
28   )
29 ).data

```

Ad Hoc Test Test Cases (0)

Test Inputs

TEST RULE

Test Output

Time 95 ms [View Performance](#) Type List of Vehicle

Value Formatted Raw Expression

- List of Vehicle - 30 items
 - Vehicle
 - vehicleId 1 (Number (Integer))
 - maintenance List of Maintenance - 1 item
 - Maintenance
 - requestId 59 (Number (Integer))
 - cost 900 (Number (Integer))
 - make "Ford" (Text)
 - model "F150" (Text)
 - color "Red" (Text)
 - mileage 500 (Number (Integer))
 - year 2019 (Number (Integer))
 - vin "2F2DE48C8N4309374" (Text)
 - lastMaintenanceDate 6/8/2020 (Date)
 - nextMaintenanceDate 8/10/2020 (Date)
 - image 3544 (Number (Integer))
 - addedBy "regina.registrar" (Text)
 - dateAdded 5/4/2019 (Date)
 - modifiedBy "community.admin" (Text)
 - modifiedDate 10/7/2021 (Date)
 - conditionId 10 (Number (Integer))
 - statusId 9 (Number (Integer))
 - categoryId 3 (Number (Integer))
 - MileageCategory "Low" (Text)
 - addedMonth 5 (Number (Integer))
 - addedYear 2019 (Number (Integer))

alqueryFilter field, operator, value, applyWhen

Creates a Query Filter configuration for use with alpickerFieldRecords, alquery, alqueryRecordType, alrelatedRecordData, and alrelatedFilterListOption.

field (Any Type): The name of the field to be filtered. When filtering record data, use the recordType! domain to reference a record field or related record field. For example, recordType!Case.fields.caseName.

operator (Text): Filter operator to apply to the data. Valid values: "=", "<", ">", ">=", "<=", "between", "in", "not in", "is null", "not null", "starts with", "not starts with", "ends with", "not ends with", "includes", "not includes".

value (Any Type): The value to compare to the given field using the given operator. Can be entered as an expression. Optional if the operator value is "is null" or "not null". Filter is ignored if value is empty or null and operator is not "is null" or "not null".

</> AX_QYD_L5_E1
SAVE

```

1  alqueryRecordType(
2    recordType: recordType!Vehicle,
3    fields: {
4      Vehicle.maintenance.cost
5    },
6    pagingInfo: alpagingInfo(
7      startIndex: 1,
8      batchSize: 10,
9      sort: {
10       alsortInfo(
11         field: Vehicle.mileage,
12         ascending: true
13       )
14     }
15   )
16 ).data

```

Ad Hoc Test Test Cases (0)

Test Output

Time 95 ms [View Performance](#) Type List of Vehicle

Value Formatted Raw Expression

- List of Vehicle - 10 items
 - Vehicle
 - vehicleId 5 (Number (Integer))
 - maintenance List of Maintenance - 6 items
 - Maintenance
 - requestId 59 (Number (Integer))
 - cost 900 (Number (Integer))
 - make "Honda" (Text)
 - model "Odyssey" (Text)
 - color "Silver" (Text)
 - mileage 25 (Number (Integer))
 - year 2020 (Number (Integer))
 - vin "2H7XF64H8J6572134" (Text)
 - lastMaintenanceDate 3/2/2020 (Date)
 - nextMaintenanceDate 9/2/2020 (Date)
 - image 3570 (Number (Integer))
 - addedBy "regina.registrar" (Text)
 - dateAdded 5/5/2020 (Date)
 - modifiedBy "community.admin" (Text)
 - modifiedDate 10/7/2021 (Date)
 - conditionId 10 (Number (Integer))
 - statusId 9 (Number (Integer))
 - categoryId 2 (Number (Integer))
 - MileageCategory "Low" (Text)
 - addedMonth 5 (Number (Integer))
 - addedYear 2020 (Number (Integer))
 - Vehicle
 - vehicleId 37 (Number (Integer))
 - maintenance List of Maintenance - 1 item
 - Maintenance
 - requestId 59 (Number (Integer))
 - cost 900 (Number (Integer))
 - make "Ford" (Text)
 - model "F150" (Text)
 - color "Blue" (Text)
 - mileage 300 (Number (Integer))
 - year 2020 (Number (Integer))
 - vin "ABC12345678909876" (Text)
 - lastMaintenanceDate 11/8/2019 (Date)
 - nextMaintenanceDate 6/5/2020 (Date)
 - image 3564 (Number (Integer))
 - addedBy "regina.registrar" (Text)
 - dateAdded 6/1/2020 (Date)
 - modifiedBy "community.admin" (Text)
 - modifiedDate 10/7/2021 (Date)

Place cursor on function, rule, or constant to display help

</> AX_QYD_L5_E2
SAVE

```

1  aqueryRecordType(
2    recordType: recordTypeVehicle,
3    fields: {
4      Vehicle.maintenance.cost
5    },
6    relatedRecordData: arelatedRecordData(
7      relationship: Vehicle.maintenance,
8      limit: 1,
9      sort: asortByInfo(
10     field: Maintenance.requestDate
11   )
12 ),
13 pagingInfo: apagingInfo(
14   startIndex: 1,
15   batchSize: 10,
16   sort: {
17     asortByInfo(
18       field: Vehicle.mileage,
19       ascending: true
20     )
21   }
22 )
23 ).data

```

Ad Hoc Test Test Cases (0)

Test Inputs

Test Output

Time 57 ms [View Performance](#) Type List of Vehicle

Value Formatted Raw Expression

List of Vehicle - 10 items

- Vehicle
 - vehicleId 5 (Number (Integer))
 - maintenance List of Maintenance - 1 item
 - Maintenance
 - requestId 85 (Number (Integer))
 - cost 0 (Number (Integer))
 - make "Honda" (Text)
 - model "Odyssey" (Text)
 - color "Silver" (Text)
 - mileage 25 (Number (Integer))
 - year 2020 (Number (Integer))
 - vin "2H7XF64H8J6572134" (Text)
 - lastMaintenanceDate 3/2/2020 (Date)
 - nextMaintenanceDate 9/2/2020 (Date)
 - image 3570 (Number (Integer))
 - addedBy "regina.registrar" (Text)
 - dateAdded 5/5/2020 (Date)
 - modifiedBy "community.admin" (Text)
 - modifiedDate 10/7/2021 (Date)
 - conditionId 10 (Number (Integer))
 - statusId 9 (Number (Integer))
 - categoryId 2 (Number (Integer))
 - MileageCategory "Low" (Text)
 - addedMonth 5 (Number (Integer))
 - addedYear 2020 (Number (Integer))

recordTypeMaintenance.fields.requestDate (Record Field)

Name: requestDate

Type: Date

AX_QYD_AddUpdateVehicle
DESIGN MODE
EXPRESSION MODE

PALETTE

COMPONENTS

PATTERNS

INPUTS

PARAGRAPH

DATE

DATE & TIME

ENCRYPTED TEXT

FILE UPLOAD

SIGNATURE

BARCODE

SELECTION

DROPDOWN

MULTIPLE DROPDOWN

RADIO BUTTONS

CHECKBOXES

CARD CHOICES

DISPLAY

IMAGE

RICH TEXT

TAG

STAMP

Add Vehicle

Vehicle Information

Drop component here

Make *

Dropdown

... Select a Value ...

... Select a Value ...

- Ford
- Lexus
- VW
- Honda
- Toyota
- MB
- Chevy

Model *

Year *

Mileage *

Color *

Status *

... Select status ...

Maintenance History

Drop component here

Last Maintenance *

mm/dd/yyyy

🗑

Comments

Image

UPLOAD

Drop file here

CANCEL

AA_QYD_RegistrarReport DESIGN MODE EXPRESSION MODE

PALETTE

COMPONENTS PATTERNS

Search Components...

DATA & TIME
ENCRYPTED TEXT
FILE UPLOAD
SIGNATURE
BARCODE

SELECTION
DROPDOWN
MULTIPLE DROPDOWN
RADIO BUTTONS
CHECKBOXES
CARD CHOICES

DISPLAY
IMAGE
RICH TEXT
TAG
STAMP
WEB CONTENT
DOCUMENT VIEWER
MILESTONE
PROGRESS BAR
GAUGE
VIDEO

ACTION
LINK
BUTTON

Acme Automobile Fleet and Maintenance Statistics

Vehicle KPIs

Gauge

0/100

Drop component here

Drop component here

Fleet Data

Vehicles by Make and Status

Make	Status	Count
Make 1	Green	7
Make 2	Blue	3
Make 2	Green	3
Make 3	Green	1
Make 4	Blue	1
Make 4	Green	3

Personal Metrics

You added vehicle

Vehicle

QUERY VEHICLE BY ID

AX_GetVehicleByID

SAVE CHANGES

Ad Hoc Test Test Cases (0)

```

1. alqueryEntity(
2.   entity: cons[AX_VEHICLE_DSE],
3.   query: alquery(
4.     logicalExpression: alqueryLogicalExpression(
5.       operator: "AND",
6.       filters: {
7.         alqueryFilter(
8.           field: "vehicleId",
9.           operator: "=",
10.          value: r[vehicleId]
11.        )
12.      },
13.      ignoreFiltersWithEmptyValues: true
14.    ),
15.    pagingInfo: alpagingInfo(
16.      startIndex: 1,
17.      batchSize: 1
18.    )
19.  ),
20.  fetchTotalCount: false
21. ),.data

```

Place cursor on function, rule, or constant to display help

Test Inputs

Rule Input Name	Expression	Value
vehicleId (Number (Integer))	1	2

Save as Test Case

TEST RULE

Test Output

Time: 12 ms (View Performance) Type: List of Variant

Value: Formatted Raw Expression

List of Dictionary - 1 item

- Dictionary
 - vehicleLastModifiedDate 10/7/2021 (Date)
 - vehicleLastModifiedBy "community.admin" (Text)
 - vehicleDateAdded 5/13/2019 (Date)
 - vehicleAddedBy "regina.registrar" (Text)
 - vehicleImage 3573 (Number (Integer))
 - vehicleNextMaintenanceDate 8/24/2020 (Date)
 - vehicleLastMaintenanceDate 5/16/2020 (Date)
 - vehicleVin "2L3ED45V3D4030403" (Text)
 - vehicleYear 2019 (Number (Integer))
 - vehicleMileage 7000 (Number (Integer))
 - vehicleCategory 6 (Number (Integer))
 - vehicleStatus 9 (Number (Integer))
 - vehicleCondition 11 (Number (Integer))
 - vehicleColor "Pearl" (Text)
 - vehicleModel "ES350" (Text)
 - vehicleMake "Lexus" (Text)
 - vehicleId 2 (Number (Integer))