Query quick reference

03/02/2019 • 6 minutos para ler • Colaboradores 🧑 🧑

Neste artigo

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Related articles

Azure Boards | Azure DevOps Server 2019 | TFS 2018 | TFS 2017 | TFS 2015 | TFS 2013

Use this index to quickly access information on query editor tasks, operators available based on data type, and access sample queries.

Query tasks

- Add a query
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Operators and macros supported for each data type

The following table indicates the operators and macros available for the different field data types. Each field is associated with a data type. You can find the data type listed in the descriptions of each field, which you can look up using the Work item field index. Operators available for defining a query clause depends on the data type of the field that you select. For more detailed descriptions of data types, operators, and macros, see Query fields, operators, and macros.

Data type	Description	Supported operators and macros
Boolean [1]	Supports a True/False value. Query samples: Query by assignment or workflow changes.	= , <> , =[Field] , <>[Field]
DateTime	A date field in which you can specify a variable, such as **@Today** or **@Today-1**, or a value, such as 1/1/2012. Enter dates in the Date Pattern you set for your personal profile. (See Set personal preferences for details.) For query examples, see Query by date or @CurrentIteration.	= , <> , > , < , >= , <= , =[Field], <>[Field], >[Field], <[Field], >=[Field], <=[Field], In, Not In, Was Ever **Macros**: **@Today**, valid with any **DateTime** field Additional macros supported on Azure DevOps Services: **@StartOfDay**, **@StartOfWeek**, **@StartOfMonth**, and

Data type	Description	Supported operators and macros
		@StartOfYear, valid with any DateTime field
Double	Also referred to as **Decimal** and includes **picklistDouble**[2]. A real number, such as 0.2 or 3.5. Query samples: Query by numeric fields.	= , <> , > , < , >= , <= , =[Field], <>[Field], >[Field], <[Field], >=[Field], <=[Field], In, Not In, Was Ever
GUID	A character string that represents a unique ID.	= , <> , > , < , >= , <= , =[Field], <>[Field], >[Field], <[Field], >=[Field], <=[Field], In, Not In, Was Ever
History	Custom formatted field used to track historical information and only assigned to the **History** field. Query samples: History and auditing.	Contains Words, Does Not Contain Words
HTML	Text strings that support formatted descriptions, such as the **Description** or **Repro Steps** fields. These fields are automatically indexed for full-text search when full-text search is available. Query samples: Query by titles, IDs, and rich-text fields.	Contains Words, Does Not Contain Words, Is Empty[3], Is Not Empty[3]
History	Custom formatted field used to track historical information associated with the **History** field.Query samples: History and auditing.	= , <> , > , < , >= , <= , =[Field], <>[Field], >[Field], <[Field], >=[Field], <=[Field], In, Not In, Was Ever
Identity	A String field that is used to hold a user identity. Query samples: Query by assignment or workflow changes.	= , <> , > , < , >= , <= , =[Field], <>[Field], >[Field], <[Field], >=[Field], <=[Field], Contains, Does Not Contain, In, Not In, In Group, Not In Group, Was Ever **Macros**: **@me** valid for all Identity fields
Integer	Also includes **picklistInteger**[2]. A 32-bit integer that is signed, such as 0, 1, 2, 34. Query samples: Query by numeric fields	= , <> , > , < , >= , <= , =[Field], <>[Field], >[Field], <[Field], >=[Field], <=[Field], In, Not In, Was Ever **Macros**: **@Follows**[4], **@MyRecentActivity**[5], **@RecentMentions**[5], **@RecentProjectActivity**[6], valid when used with the **ID** field
PlainText	Multi-line text strings that support long descriptions and are automatically indexed for full-text search, when full-text search is available. Query samples: Query by titles, IDs, and rich-text fields.	Contains Words, Does Not Contain Words, Is Empty[3], Is Not Empty[3]
String	Also includes **picklistString**[2]. Short single-line text that can contain up to 255 Unicode characters. String fields support the **Title** field, picklists (drop-down menus), user account ids, **Tags**, and other fields. Query samples: Query by titles, IDs, and rich-text fields and Query by picklist value.	= , <> , > , < , >= , <= , =[Field], <>[Field], >[Field], <[Field], >=[Field], <=[Field], Contains, Does Not Contain, In, Not In, In Group, Not In Group, Was Ever **Macros**: **[Any]**, valid with the **Work Item Type** field **@Project**[7], valid with the **Team Project** field
TreePath	Field type that supports the **Area Path** and **Iteration**	Under, Not Under

Data type	Description	Supported operators and macros
	Path fields. You define the tree structure for a project—area paths and iteration paths. Query samples: Query by area or iteration path and Query by date or current iteration.	**Macros**: **@TeamAreas**[8], valid with **Area Path** field **@CurrentIteration**[9] and **@CurrentIteration +/- n**[10] valid with the **Iteration Path** field

Notes:

1. The **Boolean** data type field is supported for TFS 2017 and later versions.
2. The **picklist...** data types are only assigned to custom fields defined for an inherited process. The Inherited process model is only supported for Azure DevOps Services and Azure DevOps Server 2019.
3. The **Is Empty** and **Is Not Empty** operators are supported for Azure DevOps Server 2019 RC2 and later versions.
4. The **@Follows** macro is supported for TFS 2017 and later versions.
5. The **@MyRecentActivity**, **@RecentMentions**, **@RecentProjectActivity** macros are supported for Azure Boards and TFS 2018.2 and later versions.
6. The **@RecentProjectActivity** macro is supported for Azure Boards only at this time.
7. The **@Project** macro is supported for TFS 2015.1 and later versions. The system automatically defaults to filtering based on the current project. To learn more, see Query across projects.
8. The **@TeamAreas** macro is supported for Azure Boards and Azure DevOps Server 2019 and later versions.
9. The **@CurrentIteration** macro is supported for TFS 2015 and later versions, and only when run from the web portal.
10. The **@CurrentIteration +/- n** macro is supported for Azure Boards and Azure DevOps Server 2019 and later versions, and only when run from the web portal.

Query samples for select fields

The following table lists common query fields and their data type for which sample queries are provided. To determine the data type of a field, see Work item fields and attributes, List field attributes.

A

- Acceptance Criteria (HTML)
- Activated By (Identity)
- Activated Date (DateTime)
- Activity (String)
- Area Path (TreePath)
- Assigned To (Identity)
- Attached File Count (Integer)
- Automated Test Name (String)
- Automated Test Type (String)

B

- Blocked (String)
- Board Column (String)
- Board Column Done (Boolean)
- Board Lane (String)
- Business Value (String)

D-E-F

- Discipline (String)
- Description (HTML)
- Due Date (DateTime)
- Effort (Decimal)
- External Link Count (Integer)
- Finish Date (DateTime)
- Found In Build (String)

H-P

- History (History)
- Hyperlink Count (Integer)
- ID (Integer)
- Integrated in Build (String)
- Iteration Path (TreePath)
- Link Comment (Integer)
- Node Name (String)

S

- Severity (String)
- Size (Decimal)
- Stack Rank (Decimal)
- Start Date (DateTime)
- State (String)
- State Change Date (DateTime)
- Steps (HTML)
- Steps to Reproduce (HTML)
- Story Points (Decimal)
- System Info (HTML)

T

- Tags (String)
- Target Date (DateTime)
- Task Type (String)
- Team Project (String)

C

- Changed By (Identity)
- Changed Date (DateTime)
- Closed By (Identity)
- Closed Date (DateTime)
- Comment Count[1] (Integer)
- Committed (String)
- Completed Work (Decimal)
- Created By (Identity)
- Created Date (DateTime)

- Original Estimate (Decimal)
- Parameters (HTML)
- Priority (Integer)

R

- Reason (String)
- Related Link Count (Integer)
- Remaining Work (Decimal)
- Repro Steps (HTML)
- Resolved By (Identity)
- Resolved Date (DateTime)
- Resolved Reason (String)
- Rev (Integer)
- Revised Date (DateTime)

- Test Suite Type (String)
- Title (System)
- Triage (String)

V-W

- Value Area (String)
- Work Item Type (String)

Notes:

1. The **Comment Count** field is supported for TFS 2017 and later versions.

Related articles

- Use categories to group work item types
- Define a managed query
- Work item field index