About managed queries

31/01/2019 • 4 minutos para ler • Colaboradores 🗐 🗐

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A query lists a filtered set of work items. You can initiate a query using the <u>query editor</u>. Optionally, you can perform an ad hoc search using the <u>search box</u>.

With queries, you can perform these functions:

- List items to perform bulk updates, assign or reassign
- Review work that's in progress or recently closed
- Triage work (set priority, review, update)
- Create a chart and add it to a dashboard
- Create a chart to get a count of items or sum a field
- Create a chart that shows a burndown or burnup over time
- View a tree of parent-child related work items

For the mechanics of constructing and saving queries, see <u>Use the query editor to list and manage queries</u>. For specific examples, click one of the following links.

Getting started

If you are looking for a specific work item, use the ad hoc search box. If you want to generate a list of work items to triage, update, chart, or share with others, then use a managed query.

- View and run a query
- Perform an ad hoc search
- Query editor
- Query operators & macros

For a quick reference to query editor tasks and sample queries, see Query quick reference.

Additional tips for working with queries

- To find work items that are assigned to you, add @Me as the value for the Assigned To field in one of the query clauses.
- All valid users with standard access can create queries and folders under the My Queries area. To create
 queries and query folders under Shared Queries, you must have the Contribute permission set. For more
 information, see Set permissions on queries.
- You can modify any query by adding criteria to focus on a product area, an iteration, or another field. To
 modify a query, open the query editor.
- You can open any query in Excel or Project, where you can update the fields of one or more work items

and publish your changes to the database for tracking work items.

• You can visualize status or progress by creating a pie-chart, column chart, or trend chart for flat-list queries.

For additional tips when working with the new queries experience or the directory-focused queries views, see <u>Tips for working with the directory-focused Queries pages</u>.

My Queries, Shared Queries, and Favorites

Only you can view and run queries that you save under **My Queries** with the queries directory. Also, you can favorite one of these queries to have it appear within your query selector.

Queries you and others save under **Shared Queries** can be viewed by everyone with access to the project. Shared queries can be organized within folders and favorited by you or for a team. Also, you can set permissions on the folders and queries to prevent others from moving or editing them.

For details, see:

- Organize queries, add a query folder
- Set query permissions
- Favorite a query and Set personal or team favorites

Example queries

You can list work items based on the following criteria...

Identity based queries

- Active items assigned to me
- Closed items that were assigned to me
- Active items assigned to my team
- Items I've modified in the last 30 days
- Items I closed
- Items I resolved in the last week
- Team or group membership queries

Keywords or phrases

- Keyword or phrase queries
- Undefined field value queries
- Empty or not empty HTML field queries
- Category based queries

Work item count and numeric field queries

- Count of active bugs per developer
- Count of bugs by area and states
- Sum of story points and their status
- Burnup chart of user stories for a sprint
- Sum of remaining work per developer

History and revision change queries

- History contains a specific word
- History doesn't contain a specific word
- Reactivated items
- Items closed within a time period
- Items you've been associated with

Date and iteration based queries

- Items created in the last 30 days
- Items modified on a specific date
- Items resolved today
- Items closed within a specific time period
- Items whose updated status
- Items closed in the current sprint

State, reason, or workflow changes

- Resolved user stories
- Items I resolved in the last week
- Items failing acceptance tests
- Items closed within the last 15 days
- Items removed as they're duplicate
- Items closed and then reactivated
- Stories in the Code/Doing column
- Items in the Expedite swimlane
- Items in a swimlane containing "Test"

Link and attachment count queries

- All child items of a single epic
- All related items
- Items with one or more attachments
- Items with 2 or more hyperlinks
- Items containing external links

Tag based queries

- Items containing a specific tag
- Items that don't contain a specific tag
- Items that contain two or more tags

Build and test field queries

- List bugs and linked test cases
- List automated test cases
- List requirement-based test suites
- List query-based test suites

Team focus queries

- Assigned to a member of a team
- Assigned to a team's area path
- Assigned to a team's current sprint
- Assigned to a team's sprint window

Related articles

- Query quick reference
- Work item field index
- Query permissions

To add a custom field to support your query needs, see <u>Customize your work tracking experience</u>.

To learn about query charts and widgets, see these topics:

- Chart a flat-list query
- Chart for work items widget
- Query results widget
- Query tile widget

Query within or across projects

By default, you query within a single project. However, using the query editor, you can query across projects.

Visualize related work and other objects

You can view related work items and object within a work item form by installing the <u>Work item visualization</u> extension available from the Visual Studio Marketplace, Azure DevOps tab.