



# Azure DevOps – Using Queries

- Now, in this lab, I want to go through the queries part that's available as part of Azure Boards. Here you can actually create queries based on different fields of your work items.

The screenshot shows the Azure DevOps interface for the 'AgileProject' board. On the left, there's a sidebar with various project management sections like Overview, Boards, Work items, Backlogs, Sprints, and Queries. The 'Queries' section is highlighted with a red box. The main area is titled 'Queries' and shows a table of existing queries. A new query has been created and is listed under 'Favorites': 'My favorites'. The 'New query' button at the top right is also highlighted with a red box.

- Now before using the query, I have added two more tasks to another user story with their priority set to 3.

Work Item Type	Title	State	Story...	Value Area	Iteration Path
Epic	Job application - Job postings	New		Business	AgileProject
User Story	Each department admin must be able to add a job posting	New		Business	AgileProject
Task	Be able to create a workflow	New			AgileProject
Task	Be able to manage a workflow	New			AgileProject
User Story	There should be an inbuilt workflow for the job posting	New		Business	AgileProject\Job Applicati
User Story	Once the job posting is published, no edits should be po...	New		Business	AgileProject

- Now let's create a new query. Here we are saying that our work item type is Task and it is of new state who have priority of less than and equal to 2. Then click on Run Query.
- We can also work with charts but first we have to save this query. Now click on charts.

Queries > My Queries

**Run query** **New** **Save** : 1 of 3 ↗

Results **Editor** **Charts**

Query type: Flat list of work items ↘

Query across projects

Filters for top level work items

And/Or	Field *	Operator	Value
+ X	Work Item Type	=	Task
+ X	State	=	New
+ X	Priority	<=	2
+ Add new clause			

ID	Work Item Type	Title	Assigned To	State
11	Task	<input checked="" type="checkbox"/> Login as a department admin	:	<input checked="" type="radio"/> New
12	Task	<input checked="" type="checkbox"/> View the job posting area for the department		<input checked="" type="radio"/> New
13	Task	<input checked="" type="checkbox"/> Adding job posting for the department		<input checked="" type="radio"/> New

5. Click on new charts. Give a name to your chart, in the group by choose State. Click on save chart.

Queries > My Queries > **ourQuer** ↗

**Refresh charts** **+ New chart**

Results **Editor** **Charts**



### Visualize query results with charts

Create several types of charts - such as pie, column, or trend - to quickly view the status of work.

**New chart**

## Configure chart

Chart type **Pie** Name **Tasks-high-priority - chart** Required

Bar Column Stacked bar Pivot table Stacked area Area Line

Group by **State** Required

The columns you have specified in your query will show up as grouping for the chart.

Aggregation Count of work items

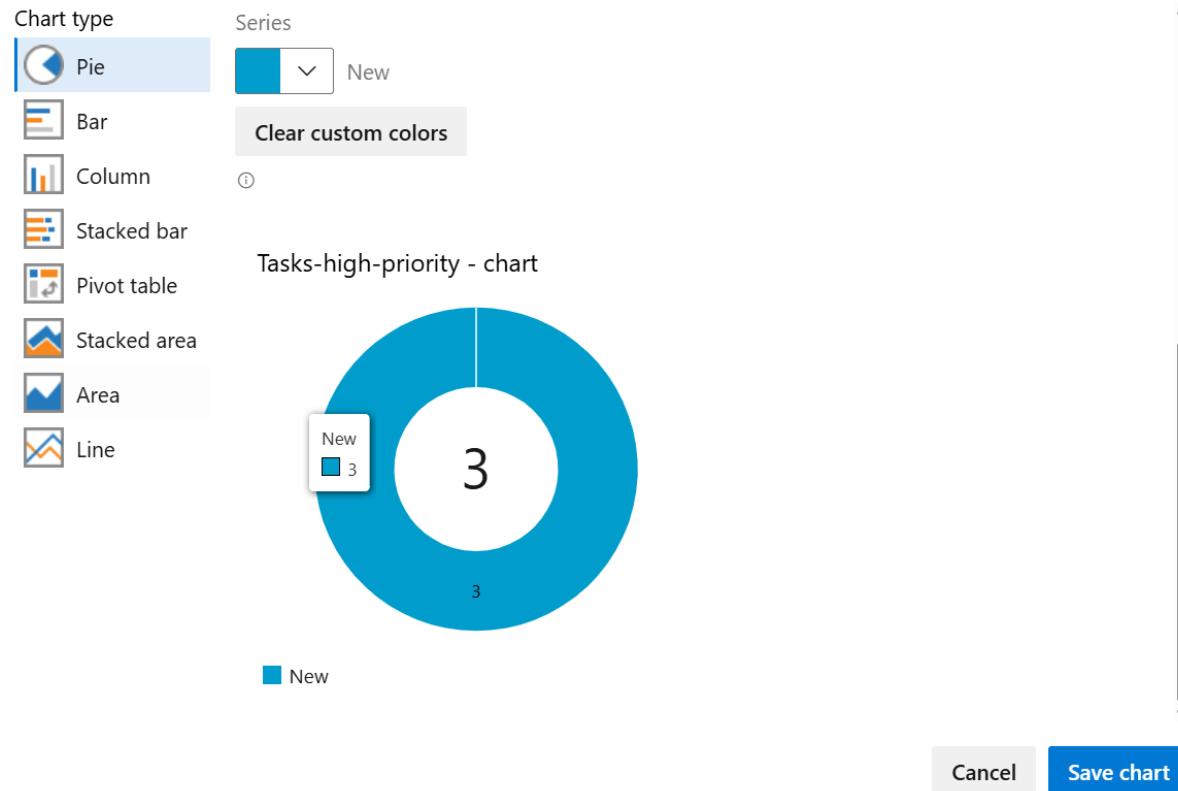
You can only use fields with numeric values.

Sort Value Ascending

The results can be sorted by the series label or the value.

Series New

Cancel Save chart



6. Now you can see that based on our query we can visualize things as well. \

Results Editor **Charts**

Tasks-high-priority - chart

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