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KNOWLEDGE BASE ARTICLE

Azure DevOps Query Viewer: Setup and Connecting a Query

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Overview

The Vitextra My Tasks solution contains a second **web part**, **Query** (the product name is **Azure DevOps Query Viewer**). It shows the result of a query that is saved in Azure DevOps directly on a **SharePoint** page or in a **Microsoft Teams** tab, so that a team can follow its work items without leaving the place where it works. The columns, the order and the filter conditions come from the query itself; you maintain them in Azure DevOps.

This article explains how to add the web part, how to connect it to an organization, a project and a query, which queries are supported and what the basic settings do. Tabs with several queries, grouping and the command bar are described in KB10305. Azure DevOps Query Viewer: Multiple Query Tabs, Grouping, Search and Column Reset.

Requirements

Before you configure the web part, make sure that:

- the My Tasks solution is installed in your **tenant** (see KB10035. How to Install a Vitextra Product in SharePoint Online);
- a tenant administrator has approved the Azure DevOps permission **user_impersonation** in **SharePoint admin center** > **Advanced** > **API access** (see KB10303. My Tasks: Required Permissions, Privacy and Security);
- your Azure DevOps organization is connected to the **tenant** as your **Microsoft 365** (in Azure DevOps: **Organization settings** > **Microsoft Entra**);
- you and the people who will **view** the page are members of the Azure DevOps organization and have access to the project;
- the query you want to show is saved in Azure DevOps, and you can open it.

Warning

The web part calls Azure DevOps as the signed-in user. Every viewer sees only the work items that he or she is allowed to see in Azure DevOps. If a person has no access to the project, the web part shows an error or an empty **list**, even though the page itself is available to that person in SharePoint.

Add the web part to a page

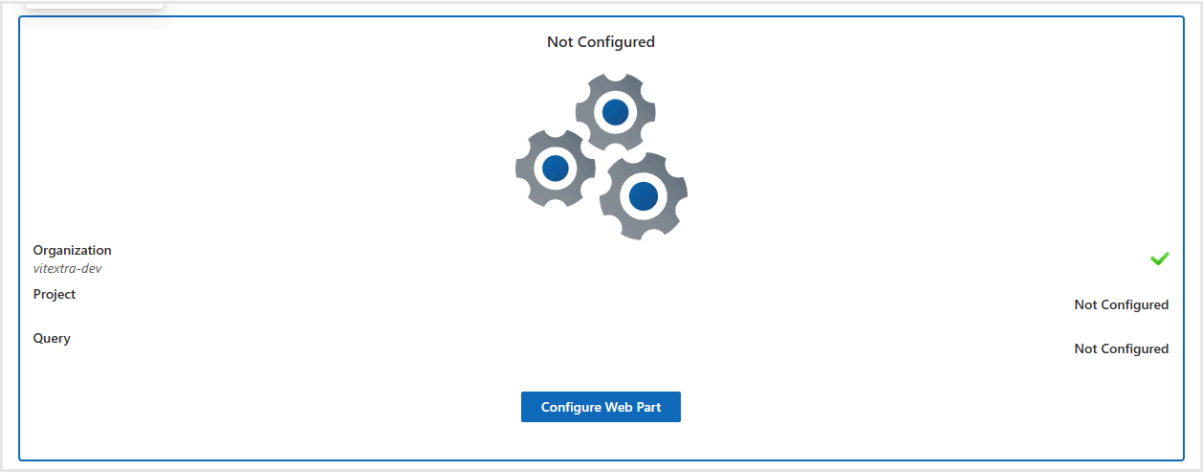
1 Open the SharePoint page and click **Edit**.
2 Click **+** (Add a new web part) in the section where the list should appear.
3 Search for **Azure DevOps Query** and select it.
4 The web part appears with the **Not Configured** message. Continue with the next

section.

If the web part is not in the list, the solution is not deployed to the **site** or the **App Catalog** is not available for it; see KB10035. How to Install a Vitextra Product in SharePoint Online.

The Not Configured checklist

Until an organization, a project and a query have been chosen, the web part shows a checklist with three items: **Organization**, **Project** and **Query**. A check mark appears next to each item that has been set, so you can see what is still missing. In edit mode the checklist also has the **Configure Web Part** button, which opens the property pane. Readers of the page see the checklist without the button.



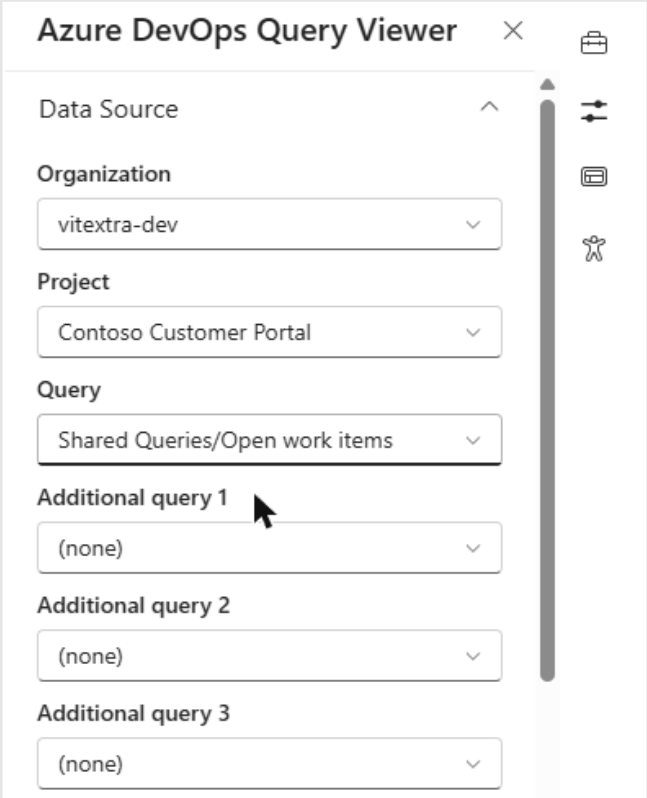
The Not Configured checklist with the Configure Web Part button

Connect an organization, a project and a query

Open the property pane (click **Configure Web Part** or the pencil icon of the web part). In the group **Data Source**:

1 In the **Organization** drop-down, choose your Azure DevOps organization. The list is loaded automatically: it contains the organizations of the account that you used to sign in. Changing the organization resets the project, the query and the additional queries.
2 In the **Project** drop-down, choose the project. The list is sorted by name. Changing the project resets the query and the additional queries.
3 In the **Query** drop-down, choose the saved query. Queries are shown with their folder path, for example *Shared Queries/Active Bugs*.

As soon as all three values are set, the web part loads the work items and the checklist is replaced with the list.



Choosing the organization, project and query

The same group contains the drop-downs **Additional query 1**, **Additional query 2** and **Additional query 3**. They turn the web part into a set of tabs; see KB10305. Azure DevOps Query Viewer: Multiple Query Tabs, Grouping, Search and Column Reset.

Note

If the **Organization** drop-down is empty, the cause is usually one of these: the organization is not connected to your Microsoft Entra ID tenant, your account is not a member of any organization, or the permission **user_impersonation** has not been approved yet. Ask the tenant administrator to check the **API access** page, and check **Organization settings** > **Microsoft Entra** in Azure DevOps.

Supported query types

The **Query** drop-down offers saved queries of these types:

Query type in Azure DevOps	How it is shown
Flat list of work items	A table; you can sort and group it.
Tree of work items	An expandable hierarchy; sorting and grouping are turned off.

Query type in Azure DevOps	How it is shown
Work items and direct links (one-hop)	An expandable hierarchy, like a tree query.

Folders are opened automatically, so queries from **Shared Queries** and **My Queries** are listed together with their paths. Other query kinds are not offered. A query is loaded with its own columns and its own order, and at most 1000 work items are loaded per query.

Other settings

Group	Setting	What it does
Item Limit	**Row Limit**	A slider from 5 to 100: how many rows are shown at once.
Item Limit	**Pagination navigation**	**Display items in batches of the specified size.** turns the pager on. **Limit the total number of items returned to the specified amount.** shows only the first rows and no pager.
Item Limit	**Position**	Available when the pager is on: **Bottom**, **Top** or **Top + bottom**.
Appearance	**Compact List**	Reduces the row height.
Appearance	**Command bar**	Shows or hides the toolbar with **Refresh**, **Columns** and **Group by**.
Miscellaneous	**Auto refresh**	**Off**, or every 1, 5, 10, 15, 30 or 60 min.
Miscellaneous	**Quick actions**	Adds an actions button to each row. Off by default.
About	License information	Shows the license state of

Group	Setting	What it does
		the product.

Automatic refresh works silently in the background, only while the page is displayed in view mode and the browser tab is visible. The title of the web part is edited directly above the list.

Tip

Create a dedicated query in Azure DevOps for the page, with exactly the columns that readers need, and keep it in **Shared Queries**. Readers can still add or remove columns for themselves in the **Columns** menu without changing the query. For the older step-by-step guides, see KB10209. How to Install and Configure the Azure DevOps Query Viewer Web Part and KB50003. How To Display Azure DevOps Query Results in SharePoint Online. To change work items from the list, see KB10306. Azure DevOps Query Viewer: Quick Actions (Change State, Assign, Set Due Date, Add Comment).

Terms

App Catalog
The App Catalog is a special SharePoint site that stores apps for SharePoint, Teams, and other Microsoft 365 services. Global or SharePoint administrators can upload and manage applications from the AppSource marketplace, custom-developed apps, or third-party apps for the organization's internal use. There can be only one tenant-level App Catalog in a tenant; site collection app catalogs can be added for individual site collections.

List
A list is a storage unit in SharePoint. A list can contain columns of different types, content types, and views. A document library is a special type of list and therefore inherits the functionality of a list.

Microsoft 365
Microsoft 365 is a cloud-based subscription service that combines productivity apps such as Word, Excel, PowerPoint, and Outlook with cloud services such as SharePoint, OneDrive, Teams, and Exchange Online, together with advanced security and device management.

Microsoft Teams
Microsoft Teams is a chat-based collaboration platform for business communications with features for online meetings, live events, and document sharing.

SharePoint
SharePoint is a web-based collaboration platform that provides content management, document management, workflow applications, search, and other tools that empower employees and teams to work together. SharePoint is also a secure place to store, organize, and access shared information.

SharePoint Admin Center
The SharePoint admin center is the web portal where SharePoint administrators manage sites, sharing and access settings, the App Catalog, storage, and other SharePoint Online settings for the tenant.

Site

Terms

A SharePoint site is a container for information within the SharePoint platform. Sites typically offer features such as document libraries, lists, calendars, discussion boards, and workflows, facilitating collaboration, communication, and document management within teams or across departments. Sites can be customized and configured to suit the specific needs and workflows of an organization.

Tenant
A Microsoft 365 tenant is a dedicated instance of Microsoft 365 services. The tenant holds the organization's information, such as users and domains (Microsoft Entra ID), configurations, subscriptions, and services. An organization receives a tenant by signing up for Microsoft 365 services.

View
A view is a saved configuration that determines which items of a list or library are displayed and how, including the columns, sorting, filtering, grouping, and layout. Views can be personal or public.

Web Part
A web part is a primary building block of functionality or content placed on a SharePoint page. Some web parts support customization, such as configuring the web part or changing its appearance.