# Link user stories, issues, bugs, and other work items

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Neste artigo

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

You can add a link to a work item from within the work item form or from a backlog or query results list. From a backlog or query results list, you can select multiple work items and then link them to a new or existing work item. In general, use the bulk edit to update several work items to link to the same work item, either new or existing.

Use this article to learn how to:

- ✔ Link one or more work items to an existing work item
- ✔ Link one or more work items to a new work item that you add when linking
- ✔ Add a link to a remote work item
- ✔ Link several work items to a new git branch
- ✔ Find work items that you want to link to
- ✔ Bulk modify link relationships

For a list of all link types and supported link relationships, see Linking, traceability, and managing dependencies.

Prerequisites

- You must connect to a project. If you don't have a project yet, create one.
- You must be added to a project as a member of the **Contributors** or **Project Administrators** security group. To get added, Add users to a project or team.
- To add or modify work items, you must be granted **Stakeholder** access or higher. For details, see About access levels.
- To view or modify work items, you must have your **View work items in this node** and **Edit work items in this node** permissions set to **Allow**. By default, the **Contributors** group has this permission set. To learn more, see Set permissions and access for work tracking.
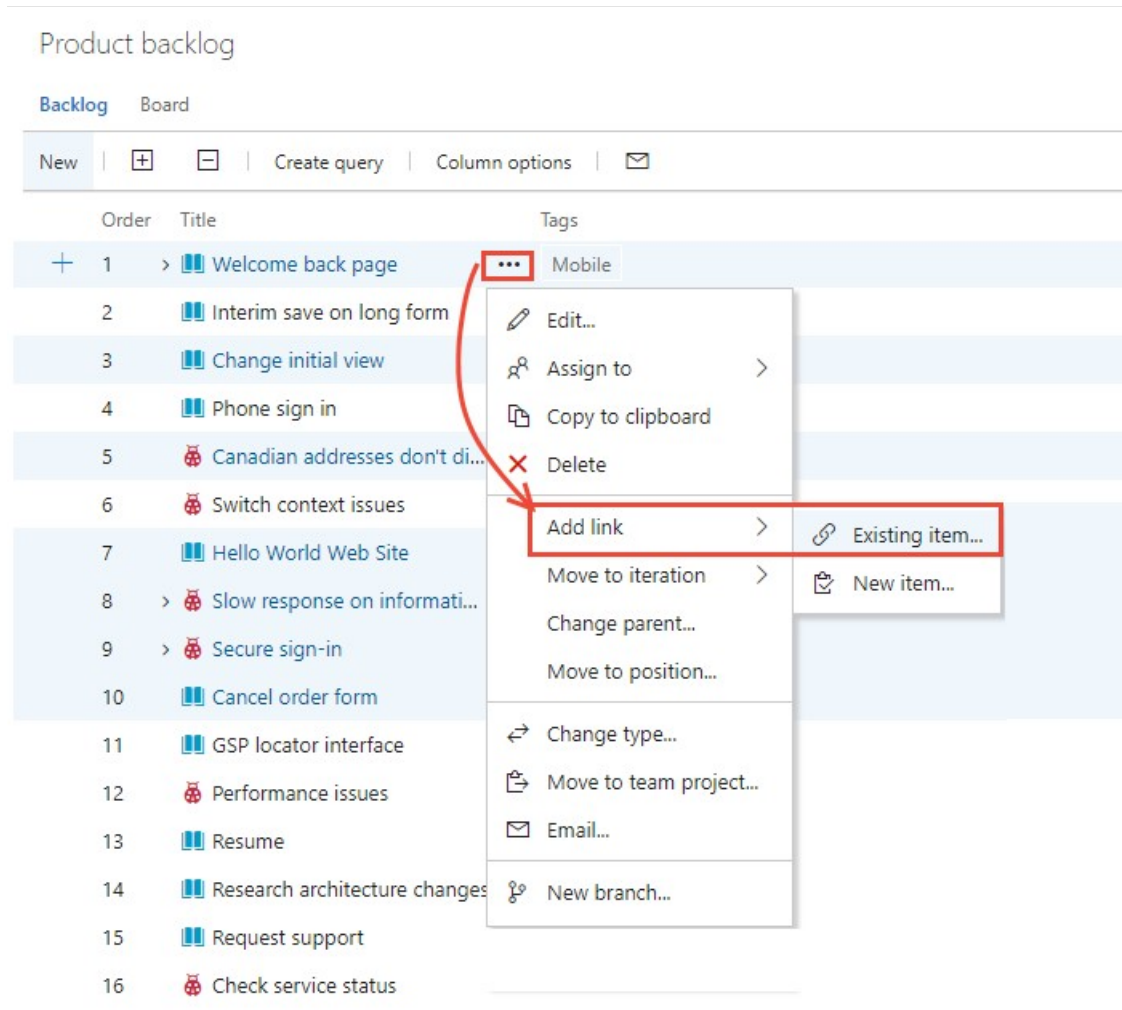
> ⓘ **Observação**
>
> Users with **Stakeholder** access for a public project have full access to backlog and board features just like

users with **Basic** access. For details, see **About access levels**.

Link several work items

1. From the web portal, open a backlog or query results page, and multi-select the work items you want to add a link to.

2. Open the ··· actions icon menu of one of the selected work items, choose **Add link**, and then choose **Existing item**... or **New item**....

   Here we multi-select from the product backlog and choose **Existing item**....

   ```
   Product backlog

   Backlog   Board

   New   |  ⊞  ⊟  |  Create query  |  Column options  |  ✉

   Order  Title                              Tags
   +  1   ›  ▐▌ Welcome back page    ···    Mobile
      2      ▐▌ Interim save on long form       ╱  Edit...
      3      ▐▌ Change initial view             ⚇  Assign to          ›
      4      ▐▌ Phone sign in                   ⎙  Copy to clipboard
      5      🐞 Canadian addresses don't di...  ✕  Delete
      6      🐞 Switch context issues
      7      ▐▌ Hello World Web Site            ⚭  Add link           ›   ⊘  Existing item...
      8   ›  🐞 Slow response on informati...      Move to iteration   ›   ☑  New item...
      9   ›  🐞 Secure sign-in                    Change parent...
     10      ▐▌ Cancel order form                Move to position...
     11      ▐▌ GSP locator interface          ⇄  Change type...
     12      🐞 Performance issues             ⎘  Move to team project...
     13      ▐▌ Resume                          ✉  Email...
     14      ▐▌ Research architecture changes  ⅄  New branch...
     15      ▐▌ Request support
     16      🐞 Check service status
   ```

Link to an existing work item

When you link work items, you select a link type. In general, use the following link types as indicated. To learn more about each link type, see Link type reference.

- Use the **Duplicate** link type when two work items have been created that essentially capture the same information; close one of the work items and keep the other one active
- Use the **Parent/Child** link types when you want to break down work items into smaller items—for example, break down features into stories, or stories into tasks
- Use **Predecessor-Successor** link types when you want to track tasks that must be completed before others can be started; this link type is most often used when you plan work using Project
- Use the **Related** link type when the work items being linked are at the same level—such as two user

stories that define features that overlap one another—or to link work items that are defined in different projects or managed by different teams.

Browser   Visual Studio

From the Add link dialog, select the link type, enter a work item ID, and then choose OK.

For example, here we use the **Related** link type to link three items to the bug with ID of *400*.


To link to multiple work items, you can use inline add which finds work items based on your recent activity or keyword searches. Simply select one or more of the work items displayed automatically based on your recent activity, or enter a keyword. Keyword searches will display work items based on work items that include that keyword in their title.

> ⓘ **Observação**
>
> You need to add each link one at a time. (You can no longer enter their IDs separated by commas or spaces.) To quickly find work items of interest, you can also use **work item search**.

To view the work items selected for linking, you can choose the ⓘ .
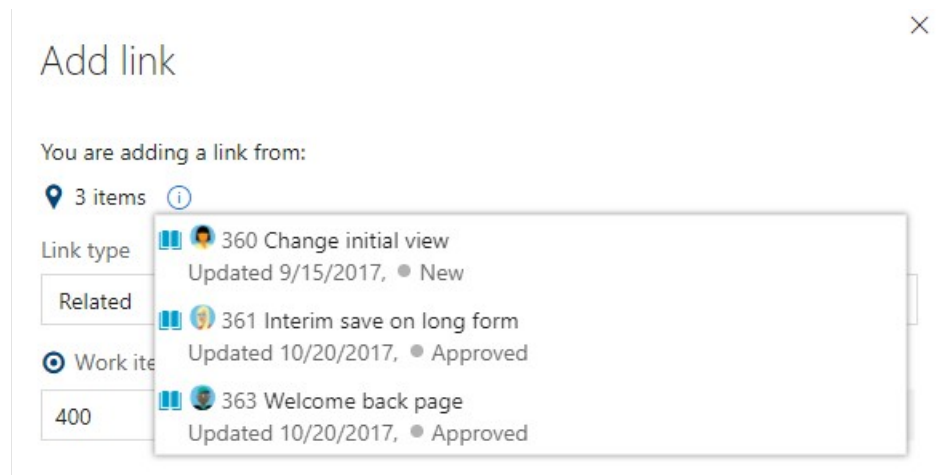
If you are working from the Query Results page, you'll need to bulk save the work items you've modified. When you work from a backlog, work items are automatically saved.
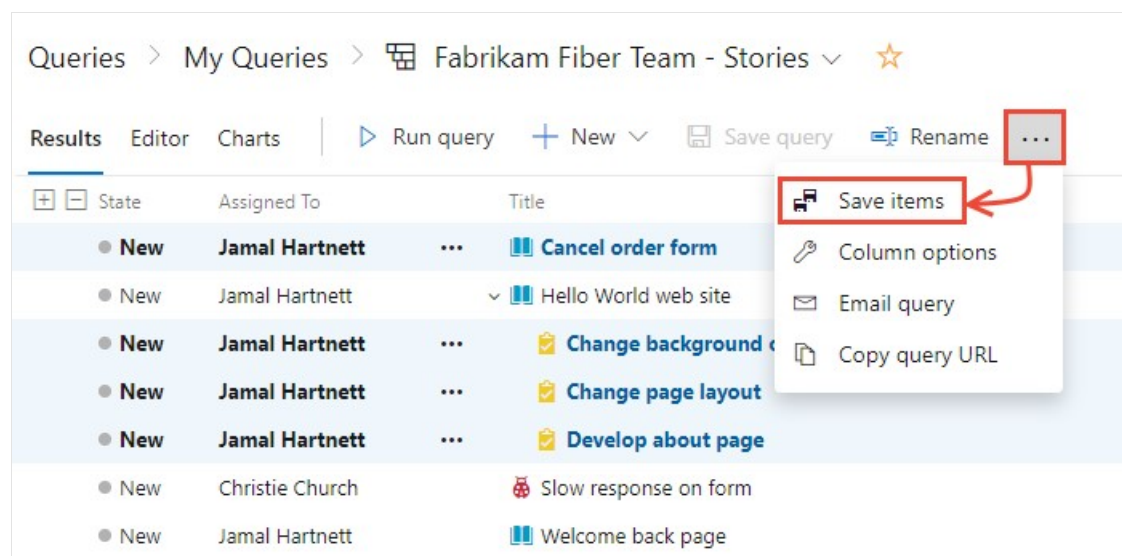
Link to a new work item

Here, we have selected to add a link to the selected work items.

1. Specify the link type, work item type, and title of the new work item. Choose **OK**.

2. A work item of the type selected opens. Enter additional information and save the work item.

3. If you are working from the Query Results page, you'll need to bulk save the work items you've modified as shown in the previous procedure.

Link to a remote work item

You can link work items to objects defined in other Azure DevOps organizations as long as both organizations use the same Azure Active Directory to manage users.
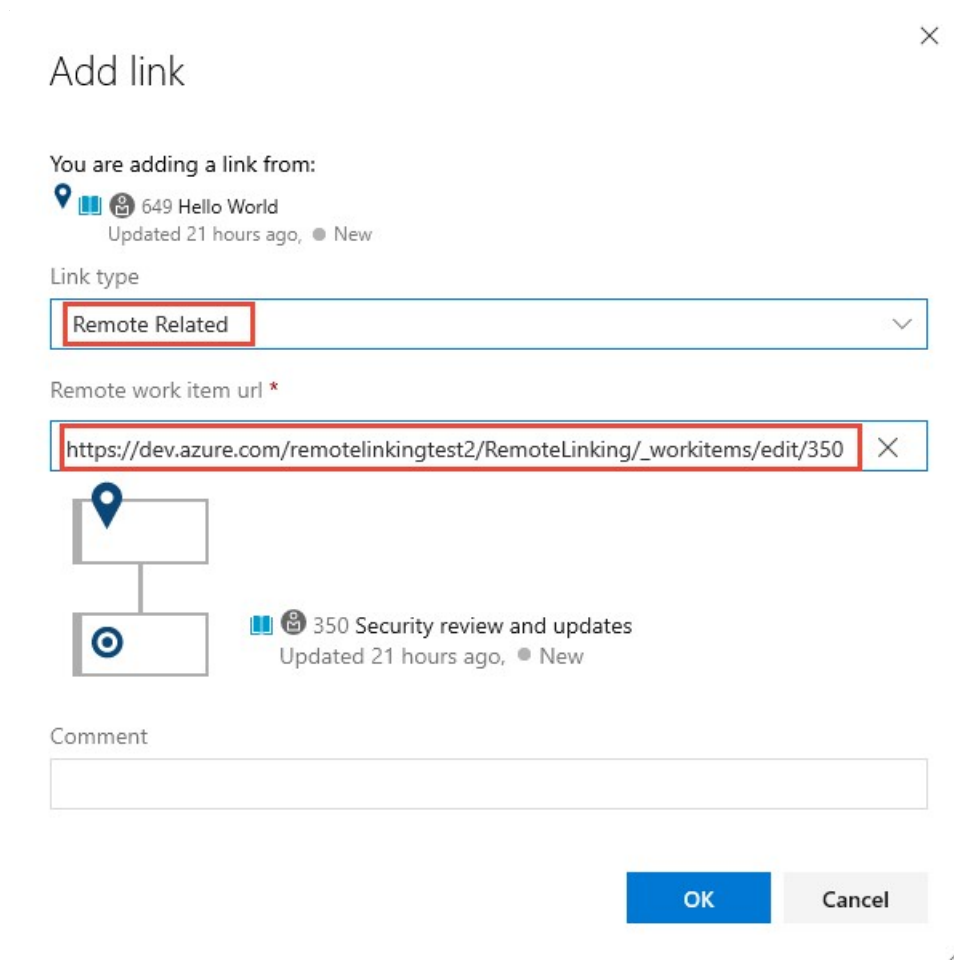
Choose from one of the following two remote link types supported.

- Use the **Consumes From/Produces For** link types when you want to track dependencies of work items that are defined in different organizations and managed by different teams.
- Use the **Remote Related** link type when the work items being linked are defined in different

organizations and managed by different teams, but don't have strong inter-dependencies.

From the Add link dialog, select the link type, enter the URL of the remote work item, and then choose OK.

For example, here we use the **Remote Related** link type to link to work item ID *350* that exists in the *remotelinkingtest2* organization, *RemoteLinking* project.

The link tab maintains a count of all links to the work item. The *Remote Link Count* field maintains a count of the number of links added to a work item that link to a work item defined in another project or organization.

The following image shows an example of two remote links, indicated by the ☁ cloud icon, added to a user story.
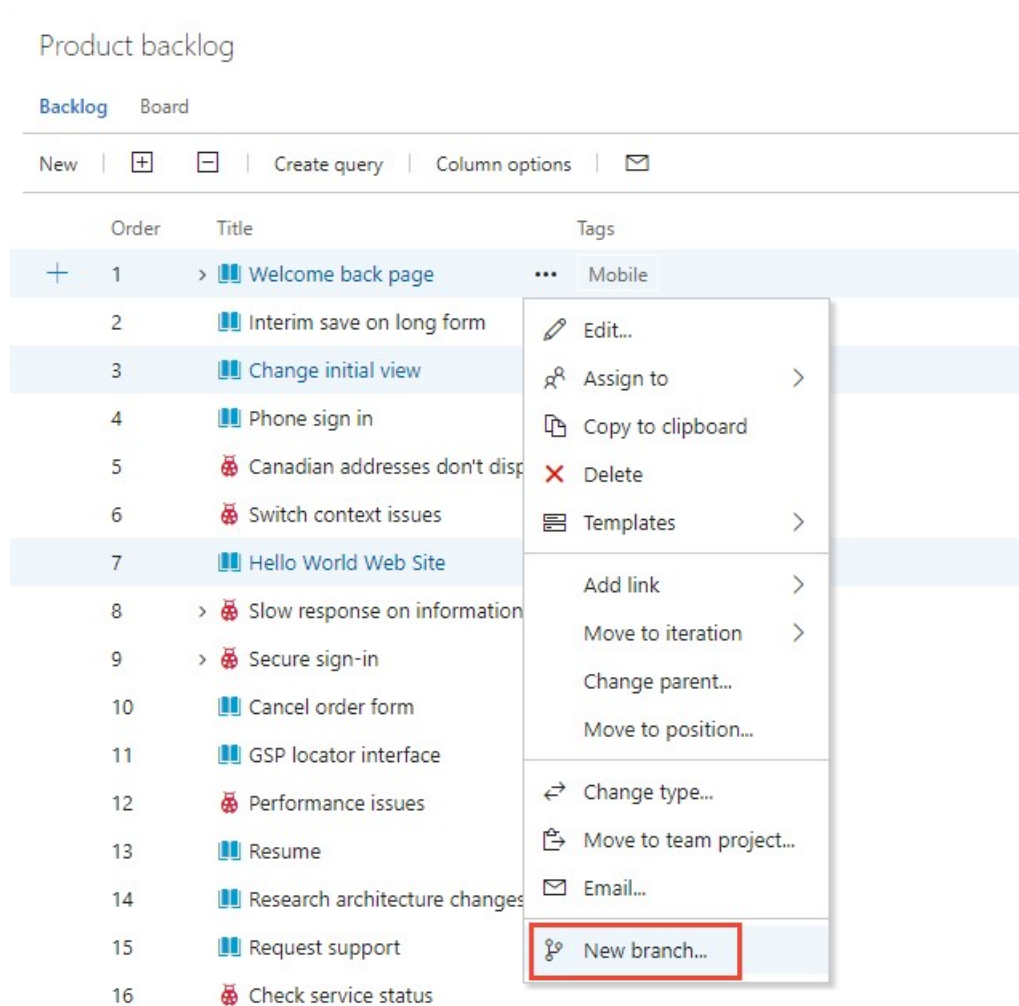
Link several work items to a new git branch

You can add a new git branch and link them to existing work items at the same time.

From a backlog or query results page, multi-select the work items you want to link to a new git branch, choose the ⋯ actions icon, and then **New branch...**. To learn more, see Link work items to Git development objects.

Additional bulk-modify link options

Additional features you can use to quickly link or change links that use the parent-child link type (some features are version dependent, see the linked topic for details):

- To quickly link backlog items to portfolio backlog items with parent-child links, use the mapping pane to organize your backlog. Or, you can choose to Show Parents and drag-and-drop items within the tree hierarchy.
- To create and link tasks to backlog items, use the sprint backlog page.
- To indent (⬚), outdent (⬚), and change the tree hierarchy, use a tree query in Visual Studio.
- To add or delete work items or change the link structure, you can use Excel or Project. See Bulk add or modify work items with Excel and Create your backlog and tasks using Project.

Related articles

- Map backlog items to portfolio backlog items
- Link work items to Git development objects
- Link GitHub commits and pull requests to work items
- Use Excel to edit parent-child links
- Use Project to edit parent-child and predecessor-successor links
- Linking, traceability, and managing dependencies