

# Lab 8: End of Sprint Activities

**Estimated time needed:** 10 minutes

In this lab, you will close out the current sprint by moving done stories to closed, dealing with unfinished stories.

## Objectives

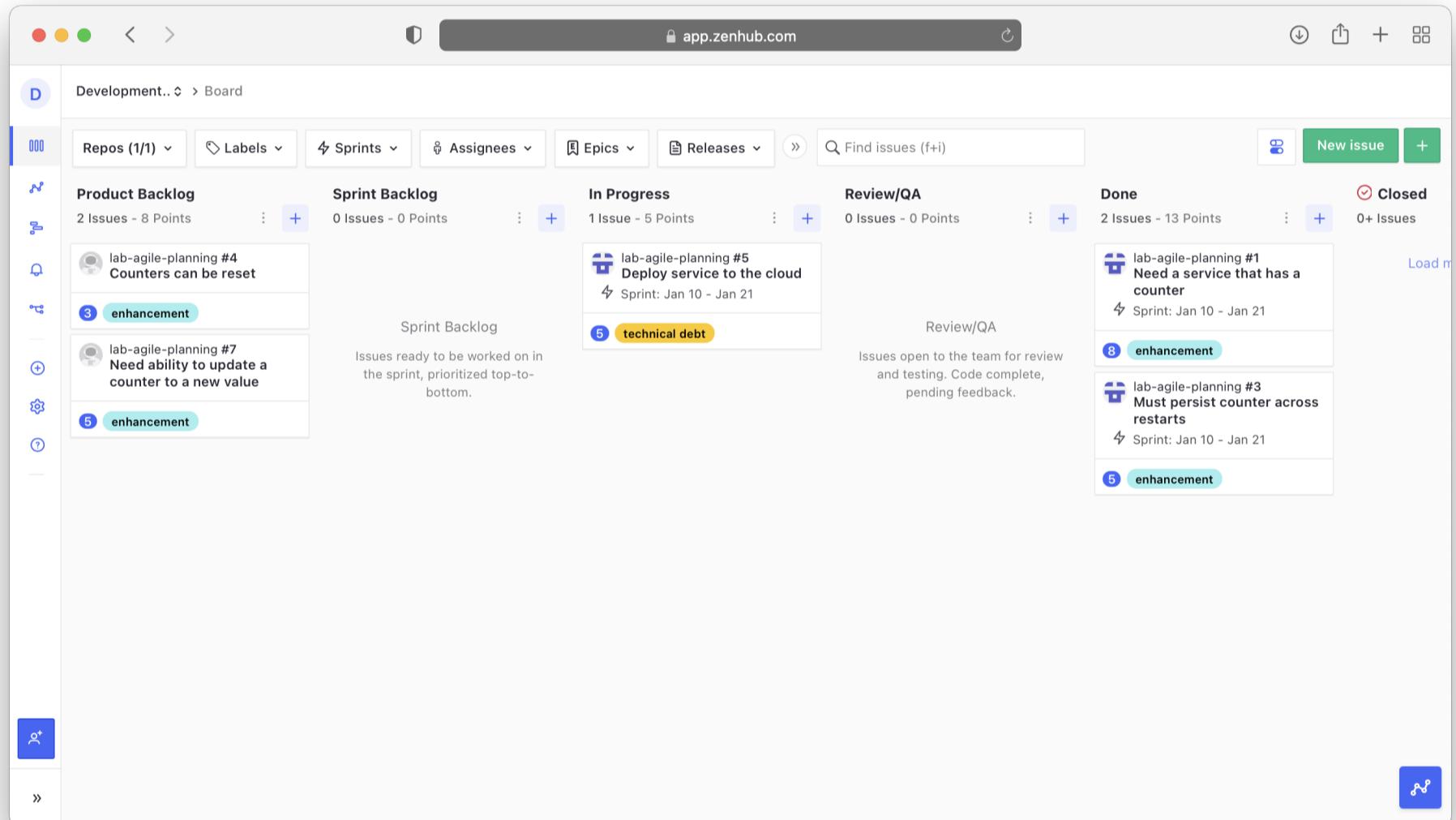
After completing this lab, you will be able to:

1. Determine which stories to close complete a sprint.
2. Deal with unfinished work.

## Exercise 1 : Move Done stories to Closed

In this exercise, you will move all of the done stories that the product owner has deemed completed at the sprint review to the Closed pipeline.

1. Go to [app.zenhub.com](https://app.zenhub.com) and sign in with your GitHub account and bring up your kanban board.



2. At the sprint review meeting, the product owner agreed that all of the stories that we demonstrated meet the definition of done, per the **Acceptance Criteria** in the **Issue** and can now be closed. Move all of the stories from the **Done** pipeline to the **Closed** pipeline.

The screenshot shows a Kanban board with four columns: Sprint Backlog, In Progress, Review/QA, and Done. The Done column contains two stories, each with a red arrow pointing to the Closed column. The Closed column has a green checkmark and says "2+ Issues".

Sprint Backlog	In Progress	Review/QA	Done	Closed
0 Issues - 0 Points	1 Issue - 5 Points	0 Issues - 0 Points	2 Issues - 13 Points	2+ Issues
ing #4 be reset	lab-agile-planning #5 Deploy service to the cloud Sprint: Jan 10 - Jan 21 5 technical debt	Review/QA	lab-agile-planning #1 Need a service that has a counter Sprint: Jan 10 - Jan 21 8 enhancement	Load more issues...
ing #7 o update a new value		Issues open to the team for review and testing. Code complete, pending feedback.	lab-agile-planning #3 Must persist counter across restarts Sprint: Jan 10 - Jan 21 5 enhancement	

At the end of this exercise, your kanban board should look like this:

The screenshot shows the same Kanban board as above, but the Done column now contains three stories, and the Closed column has a green checkmark and says "2+ Issues".

Sprint Backlog	In Progress	Review/QA	Done	Closed
0 Issues - 0 Points	1 Issue - 5 Points	0 Issues - 0 Points	0 Issues - 0 Points	2+ Issues
ing #4 be reset	lab-agile-planning #5 Deploy service to the cloud Sprint: Jan 10 - Jan 21 5 technical debt	Review/QA	lab-agile-planning #3 Must persist counter across restarts Sprint: Jan 10 - Jan 21 5 enhancement	Load more issues...
ing #7 update a new value		Issues open to the team for review and testing. Code complete, pending feedback.	lab-agile-planning #1 Need a service that has a counter Sprint: Jan 10 - Jan 21 8 enhancement	

## Exercise 2 : Deal wth unfinished work

In this exercise, you will deal with the unfinished stories in the sprint. These are stories that the team has started, but not completed. We want to adjust the estimate to take credit for the story points expended so that it is reflected in the teams velocity, and create a new story to finish the work in the next sprint.

1. Select the story "Deploy service to the cloud" in the **In Progress** pipeline to open it.

The screenshot shows a digital board interface for project management. At the top, there are navigation icons and a search bar labeled 'Find issues (f+i)'. Below the header, there are several filter buttons: 'Repos (1/1)', 'Labels', 'Sprints', 'Assignees', 'Epics', 'Releases', and a search bar. To the right of these are two green buttons: 'New issue' and '+'. The main area is divided into four columns: 'Sprint Backlog', 'In Progress', 'Review/QA', and 'Done'. The 'In Progress' column contains one card: 'lab-agile-planning #5 Deploy service to the cloud' (Sprint: Jan 10 - Jan 21). This card is highlighted with a red box and has a callout arrow pointing to it with the text 'Select to Open'. The 'Review/QA' and 'Done' columns each have a note: 'Issues open to the team for review and testing. Code complete, pending feedback.' and 'Issues tested and ready to be deployed to production.' respectively. On the far right, there's a sidebar with a list of closed issues and a button to 'Load more issues...'. The bottom right corner features a blue gear icon.

2. Click the **Gear** next to **Estimate** to open the dropdown.

This screenshot shows the detailed view of the 'Deploy service to the cloud' issue. At the top, the URL is 'app.zenhub.com/development/lab-agile-planning#5'. The issue title is 'Deploy service to the cloud #5'. Below the title, it says 'devopstudent opened this issue on Aug 5, 2021' and has a 'Close issue' and 'Edit' button. A large green 'Open' button is present. The main content area includes sections for 'Details and Assumptions' (listing 'We will use IBM Cloud' and 'Deploy as a Cloud Foundry app') and 'Acceptance Criteria' (describing a scenario where a service is deployed to the cloud and becomes available when a customer visits a URL). To the right, there's a sidebar with sections for 'Pipelines', 'Labels', 'Assignees', 'Dependencies', 'Estimates', 'Epic', and 'Releases'. The 'Estimates' section shows a count of 5 and a gear icon. A red box highlights this gear icon, with a callout arrow pointing to it and the text 'Click Gear to open estimates'. The bottom of the screen shows a timeline with events like 'See 27 older events' and 'devopstudent changed the pipeline from Product Backlog to Sprint Backlog in Development.. a day ago'.

3. The developer has determined that they did not expend **5** story points of effort on this story and just ran out of time. They estimated that **2** story points were expended. Select **2** from the dropdown list to change the story points to **2**.

The screenshot shows a ZenHub board with a story card for 'Deploy service to the cloud'. The story is currently in the 'In Progress' column. On the right side of the card, there is a 'Estimate' section with a dropdown menu titled 'How complex is this Issue?'. The dropdown menu lists values: 5, 1, 2, 3, 8, 13, 21, and 40. The value '2' is highlighted with a red box and an arrow pointing to it from the text 'Change the estimate to be 2'.

4. We can see that the story points are now set to **2**. Click the **X** to close the window.

The screenshot shows the same story card for 'Deploy service to the cloud'. The 'Estimate' section now displays the value '2'. A red box and an arrow point to the 'X' button in the top right corner of the estimate dropdown window, with the text 'Click X to close the window' overlaid. The rest of the story card and board interface remain visible.

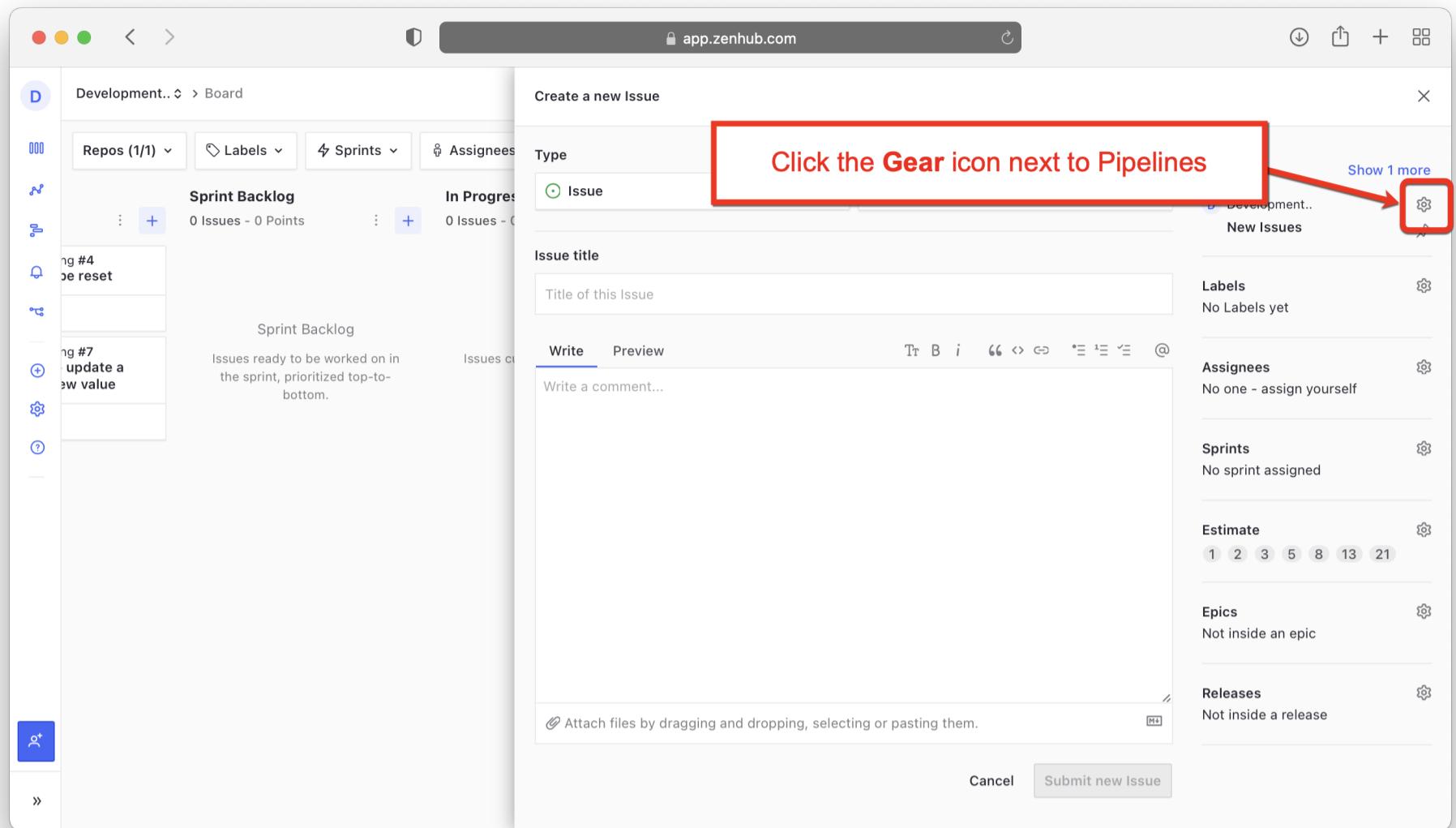
5. Now the story points have been adjusted to reflect the effort that was made in this sprint. Move this story to the **Closed** pipeline.

The screenshot shows a ZenHub board titled "Development..> Board". The board has five columns: Sprint Backlog, In Progress, Review/QA, Done, and Closed. The "In Progress" column contains one issue: "lab-agile-planning #5 Deploy service to the cloud" (Sprint: Jan 10 - Jan 21). A red arrow points from the "In Progress" column towards the "Closed" column. The "Closed" column contains several issues, including "lab-agile-planning #3 Must persist counter across restarts" and "lab-agile-planning #1 Need a service that has a counter". A green button labeled "New issue" is visible in the top right corner of the board header.

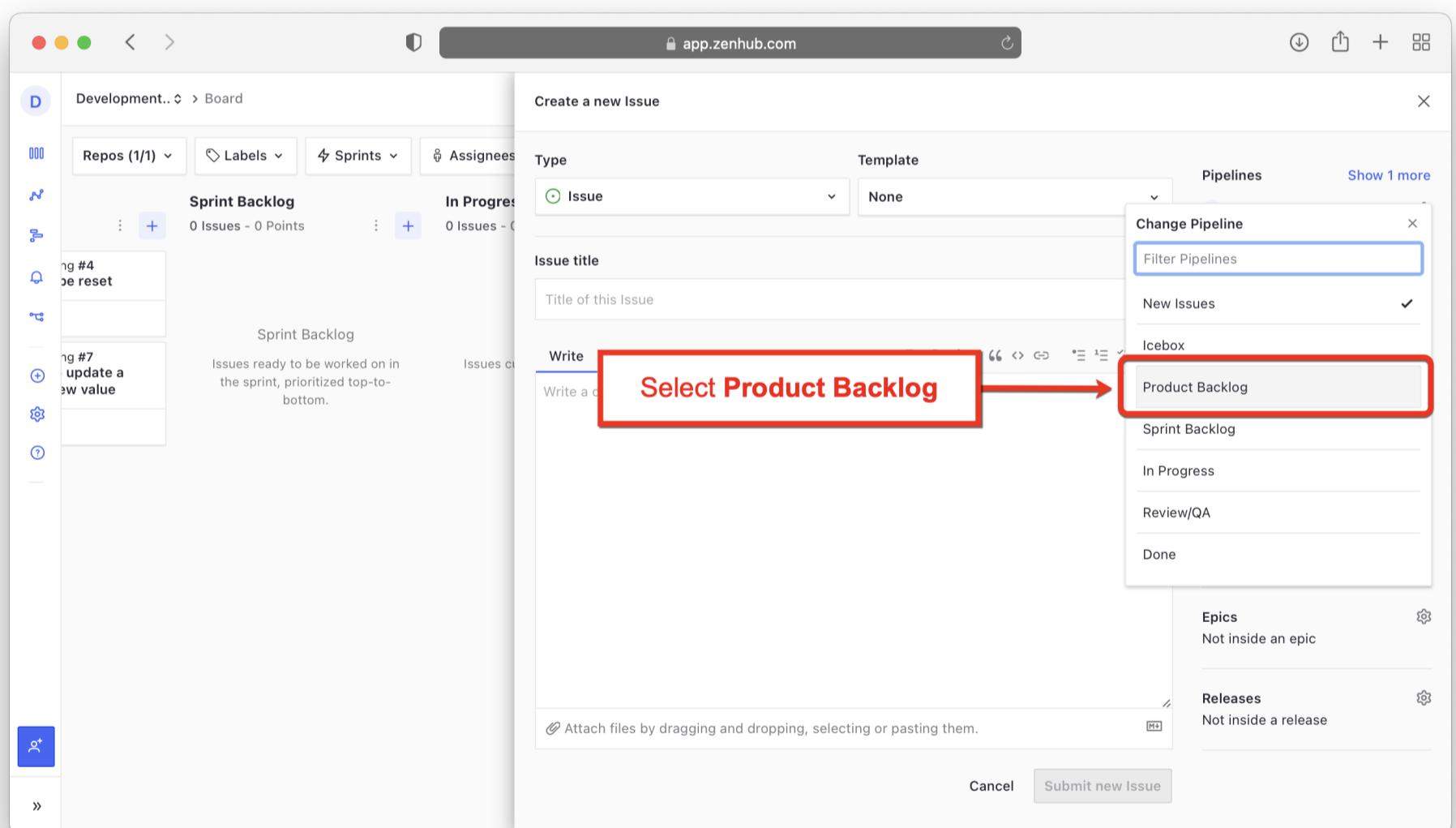
6. We want to create a new story to document the remaining work. Press the **New Issue** button.

The screenshot shows the same ZenHub board as above. A red box highlights the green "New issue" button located in the top right corner of the board header. The board structure remains the same, with columns for Sprint Backlog, In Progress, Review/QA, Done, and Closed. The "In Progress" column still contains the "Deploy service to the cloud" issue. The "Closed" column contains the same set of issues as before. The "New issue" button is clearly marked with a red border and a callout text "Press New Issue".

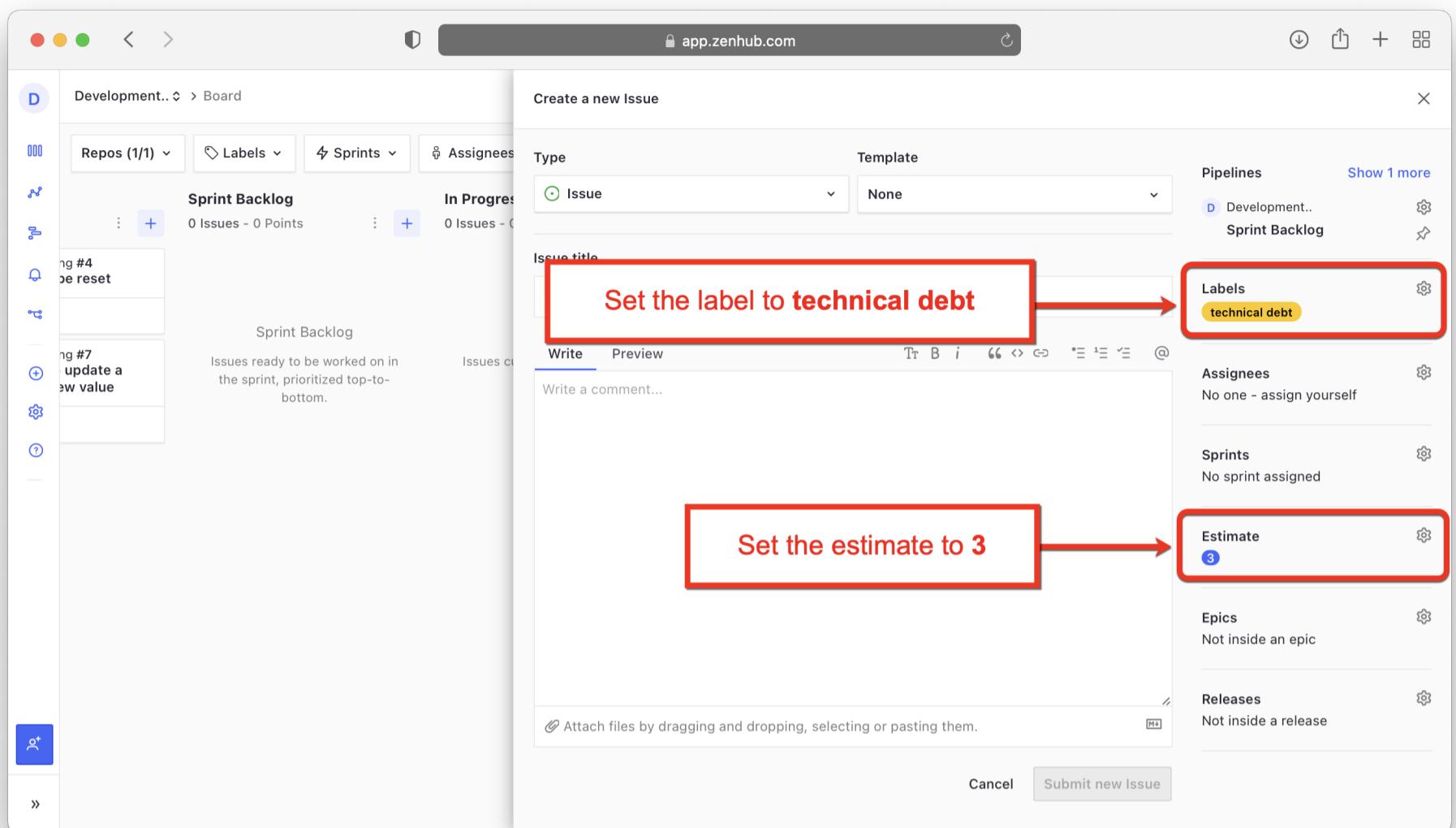
7. Since we know this new issue is going into the **Product Backlog** pipeline, click the gear icon next to **Pipelines** to open the dropdown list.



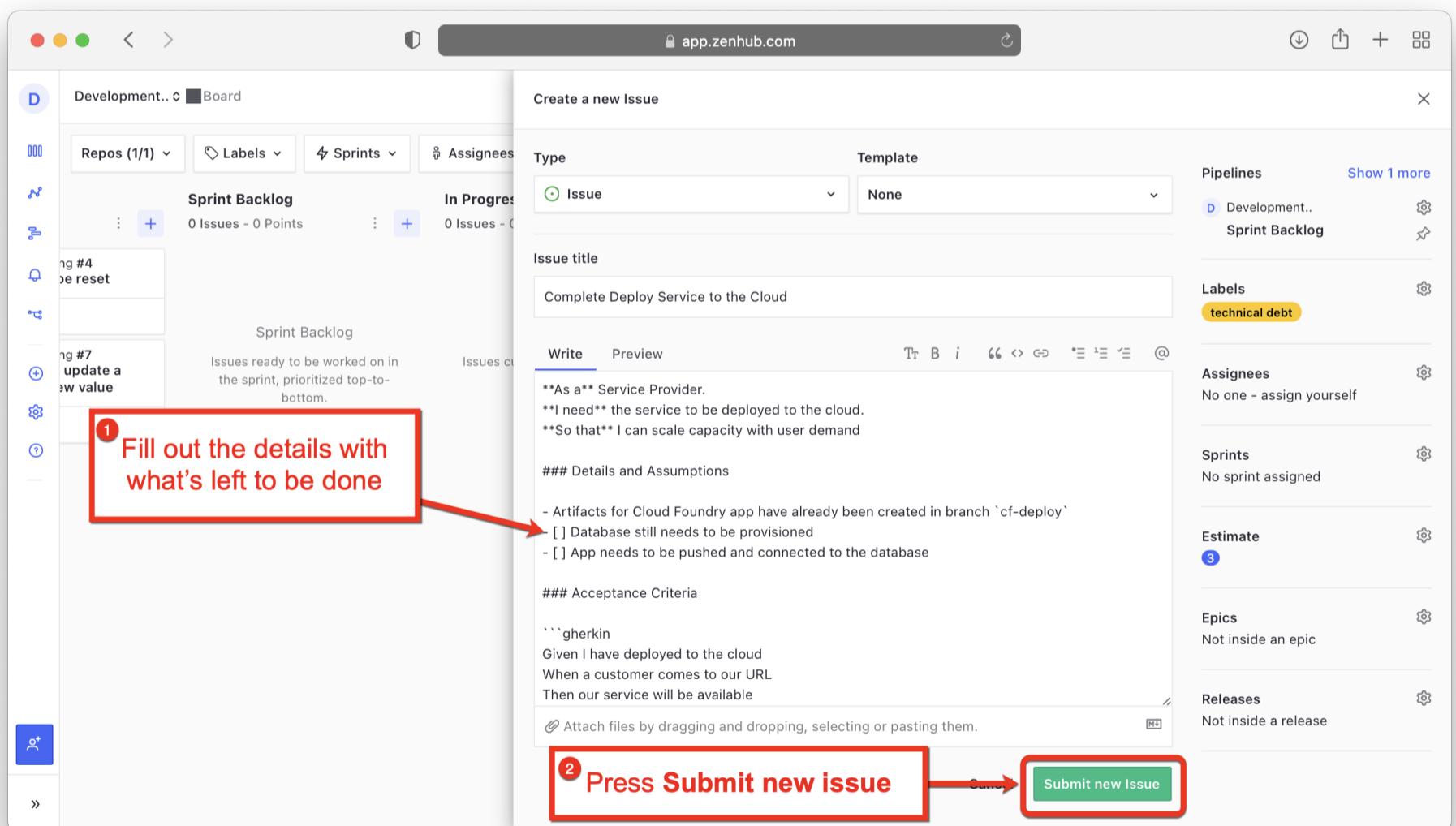
8. Select **Product Backlog** from the dropdown list.



9. Set the **Estimate** to **3**, which represents the remaining story points from the unfinished story. Set the label to **technical debt**, just like the original story.



10. Fill in the new issue with the remaining details to complete the story. (*Hint: You may want to copy and paste some details from the unfinished story as a starting point.*) When completed, press the **Submit new Issue** button.



11. Be sure the story is at the top of the **Product Backlog** pipeline to be selected for the next sprint.

The screenshot shows a software interface for managing a sprint backlog. At the top, there are navigation icons and a search bar. Below the header, there are several filter buttons: 'Repos (1/1)', 'Labels', 'Sprints', 'Assignees', 'Epic', 'Releases', and a search field 'Find issues (f+i)'. To the right of these are buttons for 'New issue' and '+'. The main area is a Kanban board with six columns: 'Icebox', 'Product Backlog', 'Sprint Backlog', 'In Progress', 'Review/QA', and 'Done'. The 'Icebox' column has 2 issues. The 'Product Backlog' column has 3 issues, with the top one being 'lab-agile-planning #8 Complete Deploy Service to the Cloud' (status: 'technical debt'). The 'Sprint Backlog' column has 0 issues. The 'In Progress' column has 0 issues. The 'Review/QA' column has 0 issues. The 'Done' column has 0 issues. A red box highlights the first item in the 'Product Backlog' column. An arrow points from this box to a red-bordered callout box containing the text 'Story should be at the top of the Product Backlog'.

Congratulations! You can completed all of the end of sprint activities.

## Summary

You learned how to conduct the activities required to close out a sprint. You moved done stories to closed, adjusted unfinished stories to reflect the true effort, and created new stories to document the remaining work. ZenHub will automatically close the sprint when it's end date has expired so there is nothing for you to do there. *Bonus: After the end of sprint date is passed, you might want to go back and look at your Velocity chart under Reports to see the teams velocity reflected in the chart.*

## Author(s)

[John Rofrano](#)

## Changelog

Date	Version	Changed by	Change Description
2021-08-08	0.1	John Rofrano	Initial version created
2022-01-14	0.2	John Rofrano	Removed Milestones