

F-13 - Pull-Request Summaries (ENTERPRISE)

SUMMARY

In this lesson, we explored how to utilize GitHub Copilot for creating pull-request summaries within GitHub.com, specifically for GitHub Enterprise users. We learned to streamline our workflow by allowing Copilot to automatically generate detailed summaries for pull requests, making the process efficient and less cumbersome. We also saw how Copilot aids in mapping pull requests to relevant GitHub issues and how it can be added as a reviewer to provide insights and suggestions for improvements.

To start, we navigate to the **Pull Requests** section of a repository and initiate a new pull request. After selecting the branch to merge into the main branch, we proceed to use Copilot. By selecting **Copilot actions** and then **Summary**, Copilot generates a comprehensive summary of the changes, detailing what files have been updated and other relevant information. This feature not only enhances clarity but also ensures consistency in documentation.

Additionally, if a reviewer finds the auto-generated summary inadequate, they can utilize Copilot to create their own. The process is the same: click the icon, select **Summary**, and let Copilot assist. Furthermore, Copilot can be requested as an additional reviewer. It evaluates the changes, provides feedback, and suggests improvements like correcting status codes or enhancing functionality, which can be directly committed with a single click.

Finally, we touched upon the interactive features of Copilot, such as asking questions about specific files or differences directly within the PR interface, making development work intelligent and interactive.

WHAT WE LEARNED

- How to use GitHub Copilot to create pull-request summaries.
- The integration of GitHub Copilot in the pull request workflow for enterprise.
- Adding Copilot as a reviewer and utilizing its auto-suggestions.
- Interacting with Copilot to query changes and issues.

HOW WE CAN APPLY IT

- Large-scale project management with multiple contributors.
- Enhancing the review process by ensuring consistent quality in pull requests.
- Reducing the time spent on documenting pull-request details manually.

- Facilitating better communication and mapping between issues and pull requests.

TIPS AND TRICKS

- **Shortcut for Copilot Actions:** Familiarize yourself with shortcuts or personalize them for swift access to Copilot features.
- **Be Specific in Queries:** When asking Copilot questions, be specific to get precise answers.
- **Use Copilot on Multiple Reviews:** Even if the suggested changes are minor, utilizing Copilot regularly can standardize documentation across projects.
- **Review Before Merging:** Always review Copilot's suggestions to ensure they align with the project requirements or coding standards.

EXAMPLES

Generating a Pull Request Summary

1. Create or update a pull request.
2. Navigate to **Copilot Actions**.
3. Select **Summary**.
4. Review and finalize the automatically generated summary.

Adding Copilot as a Reviewer

1. Open the pull request for review.
2. Click on the **Reviewers** section.
3. Add **GitHub Copilot**.
4. Wait for Copilot to generate feedback and suggestions.
5. Incorporate feedback by clicking **Commit suggestion**.

Interactive Queries

- Select the files or changes you are interested in.
- Click on **Ask Copilot**.
- Input your query, e.g., "What cryptos are being queried?"

GitHub Copilot in the enterprise setting significantly enhances the efficiency of managing pull requests, making it an invaluable tool for developers aiming to streamline their workflow.