Red Hat Ansible Lightspeed with IBM watsonx Code Assistant 2.x latest

Red Hat Ansible Lightspeed with IBM watsonx Code Assistant Release Notes

New features and enhancements information.
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Abstract

This guide contains a summary of new features, enhancements, and bug fixes for Red Hat Ansible Lightspeed with IBM watsonx Code Assistant.
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MAKING OPEN SOURCE MORE INCLUSIVE

Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see our CTO Chris Wright’s message.

Red Hat Ansible Lightspeed with IBM watsonx Code Assistant is a generative AI service that helps automation teams create, adopt, and maintain Ansible content more efficiently. It uses natural language prompts to generate code recommendations for automation tasks based on Ansible best practices. Red Hat Ansible Lightspeed also proactively creates pull requests with code improvement recommendations for you to review, test, and apply in your Ansible content.
CHAPTER 1. 25 OCTOBER 2023

1.1. WHAT’S INCLUDED IN RED HAT ANSIBLE LIGHTSPEED

- Ansible Extension for VS Code v2.8.108
- Ansible code bot Technical Preview

This release includes several enhancements, additions, and fixes that have been implemented in Red Hat Ansible Lightspeed.

1.2. NEW FEATURES AND ENHANCEMENTS

This release includes the following key features that were implemented in Red Hat Ansible Lightspeed:

- **Ansible-specific IBM watsonx Code Assistant models**
  Red Hat Ansible Lightspeed with IBM watsonx Code Assistant uses Ansible-specific, single-tenant IBM watsonx Granite models unique to your organization, which are provided, managed, and maintained by IBM.

- **Single tasks and multitask generation**
  Using natural language prompts, you can generate single task or multiple task recommendations for Ansible task files and playbooks.

- **Content source matching**
  For each generated code recommendation, Red Hat Ansible Lightspeed lists content source matches, including details such as potential source, content author, and relevant licenses. You can use this data to gain insight into potential training data sources used to generate the code recommendations.

- **Post-processing capabilities**
  Red Hat Ansible Lightspeed offers post-processing capabilities that augment IBM watsonx Code Assistant and improve the quality and accuracy of code recommendations.

- **Content modernization**
  The Ansible code bot scans existing content collections, roles, and playbooks through Git repositories, and proactively creates pull requests whenever best practices or quality improvement recommendations are available. The bot automatically submits pull requests to the repository, which proactively alerts the repository owner to a recommended change to their content. Ansible code bot is available as a Technical Preview.