

Monthly Version Release Documentation

I. Overview:

This release documentation outlines the changes, updates, and improvements introduced in the Monthly Version Release. The primary focus is on resolving code inconsistency issues between the staging and production branches, ensuring a seamless deployment process.

II. Release Highlights:

1. Code Consistency:

- Identified and addressed the code inconsistency issue between the staging and production branches.
- Implemented measures to ensure synchronization of code across all branches for a consistent deployment environment.

2. Branch Management:

- Introduced stricter version control policies to prevent discrepancies between branches.
- Implemented a standardized branching strategy to streamline development, staging, and production workflows.

III. Detailed Changes:

1. Code Synchronization:

- Resolved identified discrepancies in code between staging and production branches.
- Conducted thorough code reviews to ensure consistency and alignment with coding standards.

2. Branch Management Implementation:

- Enforced policies to restrict direct commits to production, promoting a controlled and standardized release process.
- Established a clear branching strategy:
 - development branch for ongoing development work.
 - staging branch for pre-production testing.
 - production branch for live deployment.

IV. Deployment Process:

1. Development:

- Developers push code changes to the development branch.
- CI/CD pipeline triggered automatically for continuous integration.

2. Staging:

- Code from development is merged into the staging branch for testing.
- Automated tests executed to ensure stability.
- Manual testing performed on staging to validate new features and changes.

3. Production:

- Code from staging is merged into the production branch.
- CI/CD pipeline deploys the verified code to the production environment.
- Post-deployment checks and monitoring to ensure the application's health.

V. Known Issues and Mitigations:

- The code on the Staging and Production branch is different while it should be the same as the staging.

VI. Conclusion:

This Monthly Version Release aims to eliminate code inconsistency issues between staging and production branches, providing a more reliable and synchronized deployment process. The implementation of stricter branch management policies to a more efficient software delivery lifecycle.