

Custom Frappe App Version Update & Git Tag Release Process

The following activities will be performed for every new release of the custom Frappe application to ensure consistent version management, release documentation, and source code traceability.

1. Update Application Version

Update the application version in the app's `__init__.py` file.

Example:

```
__version__ = "2.2.0"
```

This version represents the official release version of the application.

2. Create Release Changelog

Create a new changelog file for the release.

Example directory structure:

```
change_log/  
├── v2/  
    └── v2_2_0.md
```

The changelog should include:

- Version Number
- Release Date
- New Features
- Enhancements
- Bug Fixes

- Other Release Notes (if applicable)

This provides a complete release history for future reference.

3. Release Workflow

The application version progresses through the standard Git workflow before becoming an official production release.

Development (dev)



Testing (pre-prod)



Production (main)



Create Git Tag

The release process is as follows:

1. Update the application version in `__init__.py`.
2. Create the release changelog (`change_log/v2/v2_2_0.md`).
3. Commit the changes to the `dev` branch.
4. Perform testing in the `dev` environment.
5. Merge the changes from `dev` to `pre-prod`.
6. Perform User Acceptance Testing (UAT) in the `pre-prod` environment.
7. Merge the approved changes from `pre-prod` to `main`.
8. Deploy the application to the Production environment.
9. Create the Git tag on the `main` branch.
10. Push the Git tag to the remote repository.

4. Create Git Tag

Once the release has been deployed to the `main` branch, create the Git tag for that release.

Example:

```
git checkout main
```

```
git pull
```

```
git tag -a v2.2.0 -m "Release v2.2.0"
```

```
git push origin main
```

```
git push origin v2.2.0
```

Note: Git tags are created only on the `main` branch, as they represent the official production release. Tags should not be created on the `dev` or `pre-prod` branches.

Git tags provide a permanent reference to the exact source code that was deployed for a specific release.

Release Checklist

For every application release, the following tasks will be completed:

- Update the application version in `__init__.py`.
- Create the release changelog.
- Commit the changes to the `dev` branch.
- Test in the `dev` environment.
- Merge to the `pre-prod` branch.
- Complete UAT in the `pre-prod` environment.
- Merge to the `main` branch.
- Deploy to the Production environment.
- Create and push the Git tag for the production release.

This process ensures consistent version management, proper release documentation, accurate production version tracking, and complete traceability across all custom Frappe applications.