

1place Release & QA Testing Processes

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Overview of our Testing & Version Release Procedures

- We ship a **Quarterly Stable Release** that has passed our full automated and manual test suite.
- Between quarterlies, we publish **Weekly Pre-Release builds** (opt-in “beta”) so select customers can access new features or urgent fixes sooner.
- Pre-releases are supported, but they’re **not** the final quarterly build; they may change before GA.

Release Channels

1) Monthly Tested 'Production Release' Versions for General Availability (GA)

- **Who it's for:** All customers, production environments.
- **Quality bar:** Must pass all quality gates (see “Testing & Quality Gates”).
- **Change control:** Release notes, upgrade guide, and rollback guidance provided.
- **Support/SLA:** Full production support.
- **Created on the 1st Thursday of each month.** If today was 7/2/2026 (which is the 1st Thursday in July) the version # would look like this: 26.0702.1.
- **The Production Release is then updated each Thursday for the rest of the month**, with any necessary bug fixes in the version and then re-released with a slight change to the version #, such as 26.0702.2, 26.0702.3, etc...

2) Daily (Untested) 'Beta' Versions for Beta Users

- **Who it's for:** Opt-in customers who want earlier access to features or time-sensitive fixes.
- **Purpose:** Validate fixes/changes in real-world scenarios ahead of the quarterly release.
- **Expectations:** May receive minor updates week-to-week; we may iterate quickly based on feedback.
- **Support/SLA:** Best-effort with prioritized bug handling; we recommend using in **staging** first, then production only if you're comfortable with beta software.
- **Created Mon-Thurs**, following this process:

- New version created and named using this convention:
 - Current Date of release (beta)
 - Example: If today was 7/15/2026 and a new (untested) version was created from the source code (master) version, the version would be called: 26.0715 (beta)
- New version installed on local Dev/Testing server.
- Automated testing is performed to double-check the Top 100 Critical Features.
- If no bugs are found related to database changes, then we will distribute (install) that 'stable' beta version on certain (larger) customer servers for beta users to test.
- If 1 or more bugs related to 'database' changes (such as stored procedures, etc) then we will NOT install that un-stable version on any live Customer servers until the problem is fixed/re-released/re-tested/passed x hours or days later.
- We will also install the latest stable 'Beta' version on ALL Live servers each Thursday.

3) Hotfix (as needed)

- **Who it's for:** All customers impacted by a critical issue.
- **Scope:** Minimal, targeted fixes; released outside the normal cadence when necessary.

Testing & Quality Gates

We use a mix of **automated** and **manual** testing. Every quarterly Final Release must clear all gates; weekly pre-releases clear a subset focused on the changed areas plus safety nets (smoke/regression).

Automated (CI/CD-gated)

- **Static analysis & linting:** style, code smells, security patterns (SAST).
- **Unit tests:** function/method-level correctness; fast and isolated.
- **Integration tests:** components/services talk to each other correctly (DB, cache, APIs).
- **API contract tests:** request/response schemas, versioning guarantees.
- **End-to-end (E2E) UI tests:** user flows across the app (e.g., Selenium/Playwright).
- **Regression suite:** prevents re-introducing previously fixed defects.
- **Performance/load tests:** baseline throughput and latency; detect regressions.
- **Security checks:** dependency vulnerability scans; basic DAST on key routes.
- **Migration tests:** database schema changes apply/rollback cleanly.

Manual / Human-in-the-loop

- **Smoke test:** "Does it basically run?" quick, broad pass.
- **Sanity test:** targeted verification of areas touched by a change.
- **Exploratory testing:** creative probing beyond scripted paths.
- **Cross-browser/device checks:** where applicable.
- **Accessibility checks:** key workflows against WCAG principles.
- **UAT (User Acceptance Testing):** internal stakeholders (and, for pre-releases, select customers) validate workflows and outcomes.

Versioning & Labels

- **Monthly Stable:** YY.MMDD.x (Example: 25.0702.1)
 - **Hotfix:** YY.MMDDx (increment patch). (Example: 25.0723a, or 25.0723b for a 2nd release on the same day)
- **Daily Beta:** YY.MMDD (Example: 25.0723-beta)
- Each build comes with release notes (via [Version Changes Log](#)) that list **new features, fixes, known issues, and any breaking changes.**

Automated Quick-Tests (Executed on Pre-Release Versions)

Sometimes a new feature is needed BEFORE the General When particular users request the use of an un-tested / beta version (ed a preThe following is a list of the '

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