

EZRxLookup Deployment Pipeline

| Stage | Trigger | Notes/Activities | Acceptance Criteria | Outcome |
|-------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Pre-Checkin | | <ul style="list-style-type: none"> • SonarQube ran locally by developer with no critical or major code vulnerabilities identified • Cobertura ran locally by developer with minimum 50% Line Code Coverage | Developer Checkin |
| 2 | 10 Minute Cycle with Recognized Repository Changes | <ul style="list-style-type: none"> • Application Build • Code Coverage Report • SonarQube Code Analysis Report • Unit Tests Ran • Integration Tests Ran • UI Tests Ran (post deploy) • Performance Tests Ran (post deploy) | <ul style="list-style-type: none"> • SonarQube ran on the server with no critical or major code vulnerabilities • Automated Unit Tests Pass • Automated Integration Tests Pass • Minimum 50% Line Code Coverage • Integration Test coverage for all major business flows (identified within feature acceptance criteria) • Integration Test coverage for all integration points (internal/external) • Automated UI Tests Pass • Performance Tests Pass • UI Test coverage for all pages, including page render, field validation | Automated Deployment to DEV; if failure to meet acceptance criteria an email will be generated and sent to the team notifying of failure |
| 3 | On Demand | Leverage current deployment in DEV | Clean Deployment in DEV | Automated Deployment to CERT |
| 4 | Daily | Prior to Stakeholder Demo / Usability Test Execution occurring in CERT environment | <ul style="list-style-type: none"> • Execute AMP 508 Compliance tests for all UI related changes with no significant violations • Execute OWASP Zap Security tests with no high rated alerts Manual End to End Tests Pass | Stakeholder Demo / Usability Test |
| 5 | Stakeholder Demo / Usability Test | Leverage current deployment in CERT | Acceptance Tests Pass | <ul style="list-style-type: none"> • User Acceptance Received • Usability Test Report updated with any findings |