SonarQube

1. Project Overview:
   * Project Summary: Provides a high-level overview of the project, including metrics like lines of code, issues, code smells, bugs, vulnerabilities, and coverage.
   * Quality Gate Status: Indicates whether the project meets the defined quality gate conditions.
   * Recent Activity: Shows recent code analysis activity, such as scans and issues resolved.
2. Code Quality Metrics:
   * Technical Debt: Measures the estimated effort required to fix code issues and improve code quality.
   * Code Smells: Identifies areas of the code that may indicate design weaknesses or potential problems.
   * Bugs: Highlights code defects that could cause runtime errors or unexpected behavior.
   * Vulnerabilities: Flags security vulnerabilities in the code that could be exploited by attackers.
   * Coverage: Measures the percentage of code covered by automated tests.
3. Issues and Code Smells:
   * Issues List: Provides a detailed list of code issues, including descriptions, severity levels, and locations in the codebase.
   * Code Smells: Lists instances of poor code quality practices, such as duplicated code, complex methods, or unused variables.
4. Security Vulnerabilities and Bugs:
   * Security Vulnerabilities: Displays security vulnerabilities detected in the code, along with descriptions and remediation recommendations.
   * Bugs: Lists code defects that could lead to runtime errors or unexpected behavior, along with details and suggested fixes.
5. Code Coverage:
   * Coverage Report: Shows the percentage of code covered by automated tests, including line coverage, branch coverage, and overall coverage trends.
6. Quality Gate:
   * Quality Gate Conditions: Defines criteria for code quality, such as minimum code coverage, maximum number of code issues, and severity levels of issues allowed.
7. Activity and Trends:
   * History: Tracks changes in code quality metrics, issues, and coverage over time, allowing you to monitor trends and improvements.
   * Activity Graph: Visualizes code analysis activity, including scans, issues resolved, and new issues introduced.
8. Custom Dashboards and Widgets:
   * Custom Widgets: Allows users to create custom dashboards with widgets displaying specific metrics, trends, or project information.
9. Administration and Configuration:
   * Settings: Provides access to configuration settings for SonarQube, including quality gate conditions, project settings, and user permissions.
   * Users and Groups: Manages user accounts, permissions, and group memberships.
   * Plugins and Extensions: Allows installation and configuration of plugins and extensions to extend SonarQube's functionality.