

SOLUTION BRIEF

SonarQube Data Center Edition

Achieve scale and performance for your growing enterprise

Whether you're a new customer of Sonar or an existing customer with the goal to upgrade from Enterprise Edition, there are several advantages to utilizing the Data Center Edition of SonarQube. Data Center Edition offers a centralized, scalable, and highly available instance for organizations that need support for large development teams and complex projects. Customers with Data Center Edition enjoy all of the feature functionality that SonarQube has to offer, plus it allows for robust scalability to meet even the largest organizations' project analysis demands.

Data Center Edition caters to the diverse needs of Enterprise customers through key functionality of High Availability and horizontal scalability.

High Availability (HA) is crucial for maintaining uninterrupted operational performance, ensuring uptime for extended periods, and preventing productivity losses that impact revenue. When downtime surpasses 30 seconds, it starts to leave a significant negative impact on the software. With a robust, highly available solution, enterprises can avert such disruptions.

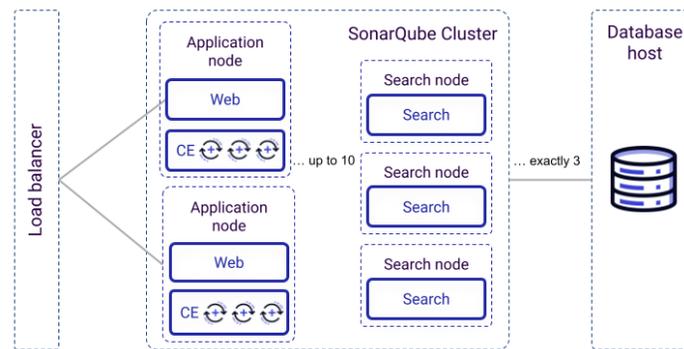
High availability:

- + Prevents your service from crashing even if servers fail
- + Instills confidence that teams can continue working without interruption
- + Ensures continuous operation to help prevent downstream impacts on the organization

With Sonar analysis incorporated into your CI/CD pipelines, you can't afford for the service to go down. Your organization may already require HA for critical DevOps solutions, and your large developer community will appreciate consistent uptime.

Horizontal scalability allows organizations to scale up to 10 application nodes (servers) in total, with each of those having up to 10 workers, creating the flexibility to have up to 100 worker threads running on your compute engine. This allows for parallel processing of a large number of projects, branches, and pull requests on your SonarQube instance.

Architecture - DCE



(*) Note: SonarQube "node" ≠ Kubernetes "node"

This will allow you to:

- + Speed up the feedback loop, streamline the review process, and sustain overall performance to withstand high levels of activity
- + Optimize operations by spreading the workload across multiple servers
- + Reduce infrastructure costs by leveraging multiple, more lightweight servers to handle the workload rather than manually building up a single, massive, more costly server

As the Lines of Code (LoC) scanned and number of analyses increase, development teams grow, and codebases become more complex, Data Center Edition offers a robust framework that enhances the SonarQube experience for growing organizations.

SonarQube Data Center Edition includes the following features:

- + SonarLint IDE integration
- + Branch analysis
- + Pull Request decoration
- + Taint analysis
- + 30+ languages
- + Parallel processing of analysis reports
- + Multiple DevOps platform instances
- + Monorepo support for PR Decoration
- + Security engine customization
- + Security reports
- + Portfolio Management & PDF Executive Reports
- + Project PDF reports
- + Regulatory reports to record release state & quality
- + Audit trailing
- + Project transfer
- + 3 additional test/stage licenses
- + Component redundancy
- + Data resiliency
- + Horizontal scalability

[Start your free 14-day Data Center Edition trial --->](#)