 **Create a new resource from Marketplace**

* Click **Create a resource** (top-left).
* In the **Search the Marketplace** box, type **SonarQube** and press Enter.
* Select **SonarQube Certified by Bitnami** (or the “SonarQube” offering from SonarSource if available) from the results, then click **Create**.

 **Basics tab**

* **Subscription**: choose your target subscription.
* **Resource group**: select an existing group or click **Create new** (e.g. rg-sonarqube).
* **Region**: pick the region closest to your team (e.g. **Central India**).
* **Name**: enter a DNS-unique name for the VM (e.g. sonarqube-prod).
* **Username/SSH public key**: choose SSH key or password authentication. If using SSH key, paste your public key here.
* Click **Next: Networking**.

 **Networking tab**

* **Virtual network**: accept the default or choose an existing VNet.
* **Subnet**: default is fine.
* **Public IP**: leave set to “Create new” so you get a public endpoint.
* **Inbound port rules**: enable **9000** (SonarQube) and **22 (SSH)**.
* Click **Next: Management**.

 **Management, Monitoring, Tags (optional)**

* Enable **Boot diagnostics** to capture initial admin password (if Bitnami) or logs.
* Leave Monitoring off or on per your policy.
* Add any tags you need (e.g. env=prod).
* Click **Next: Review + create**.

 **Review + create**

* Validate all settings pass.
* Click **Create**.
* Wait ~5–10 minutes for deployment to complete.

 **Retrieve initial credentials**

* Once deployment finishes, go to the VM’s **Overview** blade.
* Note the **Public IP address** or click the DNS name.
* If using Bitnami: go to **Boot diagnostics** → **Serial console** logs, search for the autogenerated admin password.
* If using SonarSource image: credentials may be admin / admin by default.

 **Access SonarQube UI**

* In your browser, navigate to http://<Public-IP>:9000.
* Log in with the admin credentials you retrieved.
* Immediately go to **Administration → Security → Users** to change the admin password.

**🧾 What should go in sonar-project.properties located at root of the repository ?**

sonar.projectKey=my-app-key

sonar.projectName=My App

sonar.sources=src

sonar.exclusions=\*\*/\*.spec.ts

sonar.javascript.lcov.reportPaths=coverage/lcov.info

|  |
| --- |
| # Required project identifiers  sonar.projectKey=react-node-app  sonar.projectName=React Node JS App  # Optional: Organization if you're using SonarCloud  # sonar.organization=your-org-name  # Source and tests  sonar.sources=src  sonar.tests=tests  sonar.exclusions=node\_modules/\*\*,build/\*\*,dist/\*\*  # Language-specific settings  sonar.language=js  sonar.javascript.lcov.reportPaths=coverage/lcov.info  # Encoding and report format  sonar.sourceEncoding=UTF-8  # Coverage  sonar.test.inclusions=\*\*/\*.test.js  sonar.coverage.exclusions=\*\*/\*.spec.js,\*\*/test-utils/\*\*  # SonarQube server URL (if not configured in pipeline)  sonar.host.url=https://your-sonarqube-url.com  # Optional: token if not injected via pipeline  # sonar.login=your-token |