

SonarQube 部署文档

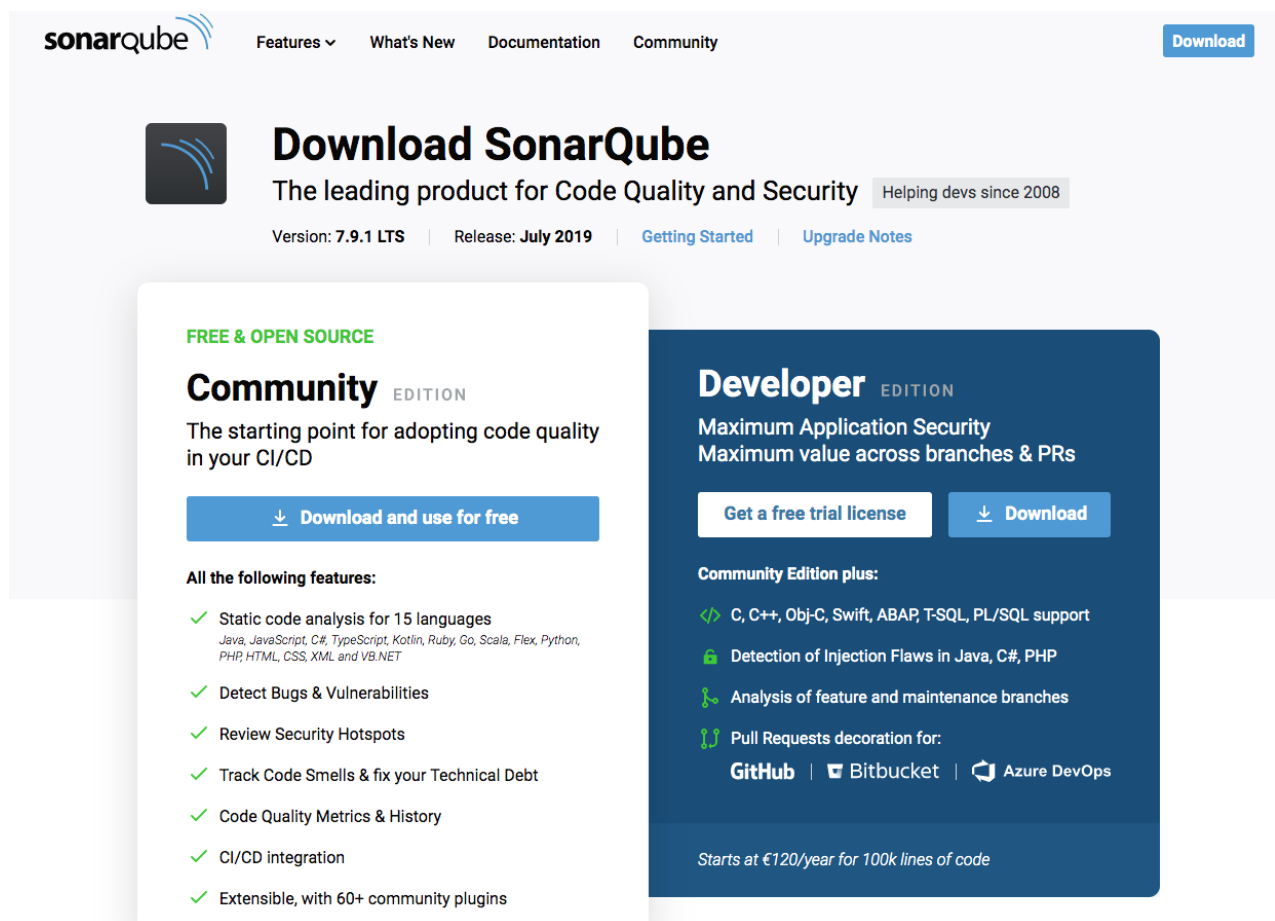
LTS 7.9.1 新特性: <https://www.sonarqube.org/sonarqube-7-9-lts/>

JDK11 下载地址: 链接:<https://pan.baidu.com/s/1VGEUd2nPzsDeOE2Ycrcmqg> 密码:gpx9

切记需要提前安装好JDK11 和 PG数据库。

1.下载软件包

下载链接: <https://www.sonarqube.org/downloads/>



The screenshot shows the SonarQube download page. At the top, there's a navigation bar with 'sonarqube' logo, 'Features', 'What's New', 'Documentation', 'Community', and a 'Download' button. Below the navigation bar, the main heading is 'Download SonarQube' with the tagline 'The leading product for Code Quality and Security' and 'Helping devs since 2008'. The version is '7.9.1 LTS', released in 'July 2019'. There are links for 'Getting Started' and 'Upgrade Notes'. The page is divided into two main sections: 'Community EDITION' and 'Developer EDITION'. The 'Community EDITION' section describes it as 'The starting point for adopting code quality in your CI/CD' and provides a 'Download and use for free' button. It lists features: Static code analysis for 15 languages (Java, JavaScript, C#, TypeScript, Kotlin, Ruby, Go, Scala, Flex, Python, PHP, HTML, CSS, XML and VB.NET), Detect Bugs & Vulnerabilities, Review Security Hotspots, Track Code Smells & fix your Technical Debt, Code Quality Metrics & History, CI/CD integration, and Extensible, with 60+ community plugins. The 'Developer EDITION' section describes it as 'Maximum Application Security' and 'Maximum value across branches & PRs'. It provides a 'Get a free trial license' button and a 'Download' button. It lists features: C, C++, Obj-C, Swift, ABAP, T-SQL, PL/SQL support; Detection of Injection Flaws in Java, C#, PHP; Analysis of feature and maintenance branches; and Pull Requests decoration for GitHub, Bitbucket, and Azure DevOps. At the bottom, it states 'Starts at €120/year for 100k lines of code'.

sonarqube Features ▾ What's New Documentation Community [Download](#)

Download SonarQube

The leading product for Code Quality and Security Helping devs since 2008

Version: **7.9.1 LTS** | Release: **July 2019** | [Getting Started](#) | [Upgrade Notes](#)

FREE & OPEN SOURCE

Community EDITION

The starting point for adopting code quality in your CI/CD

[Download and use for free](#)

All the following features:

- ✓ Static code analysis for 15 languages
Java, JavaScript, C#, TypeScript, Kotlin, Ruby, Go, Scala, Flex, Python, PHP, HTML, CSS, XML and VB.NET
- ✓ Detect Bugs & Vulnerabilities
- ✓ Review Security Hotspots
- ✓ Track Code Smells & fix your Technical Debt
- ✓ Code Quality Metrics & History
- ✓ CI/CD integration
- ✓ Extensible, with 60+ community plugins

Developer EDITION

Maximum Application Security
Maximum value across branches & PRs

[Get a free trial license](#) [Download](#)

Community Edition plus:

- ✓ C, C++, Obj-C, Swift, ABAP, T-SQL, PL/SQL support
- ✓ Detection of Injection Flaws in Java, C#, PHP
- ✓ Analysis of feature and maintenance branches
- ✓ Pull Requests decoration for:
GitHub | **Bitbucket** | **Azure DevOps**

Starts at €120/year for 100k lines of code

2.添加系统用户

```
useradd sonarqube
passwd sonarqube
```

3.优化系统参数

```
sysctl -w vm.max_map_count=262144
sysctl -w fs.file-max=65536
ulimit -u 4096 sonarqube
ulimit -n 65536 sonarqube
```

4.解压安装包

```
mv sonarqube-7.9.1.zip /home/sonarqube/
chown -R sonarqube:sonarqube /home/sonarqube/
su - sonarqube yum -y install unzip
unzip sonarqube-7.9.1.zip
```

5.更改配置文件

```
vim sonarqube-7.9.1/conf/sonar.properties
sonar.jdbc.username=sonarqube
sonar.jdbc.password=meiyoumima
sonar.jdbc.url=jdbc:postgresql://127.0.0.1/sonarqube
```

6.安装PostgreSQL#下载pg9.6 源

```
yum install https://download.postgresql.org/pub/repos/yum/9.6/redhat/rhel-7-
x86_64/pgdg-centos96-9.6-3.noarch.rpm
yum install postgresql96-server postgresql96-contrib
#初始化db
/usr/pgsql-9.6/bin/postgresql96-setup initdb

#启动服务、开机自启
systemctl start postgresql-9.6
systemctl enable postgresql-9.6

#防火墙
firewall-cmd --add-service=postgresql --permanent
firewall-cmd --reload

#登录数据库
su - postgres
psql -U postgres
```

```

ALTER USER postgres with encrypted password 'xxxxxx';
\q
exit

#创建sonarqube用户
create user sonarqube with password 'xxxxx';
create database sonarqube owner sonarqube;
grant all on database sonarqube to sonarqube;
create schema my_schema;<br>

#开启远程访问
vi /var/lib/pgsql/9.6/data/postgresql.conf    #listen_addresses = '*'
vi /var/lib/pgsql/9.6/data/pg_hba.conf
systemctl restart postgresql-9.6.service

#pg_hba.conf

# IPv4 local connections:
host      all             all             0.0.0.0/0             trust
# IPv6 local connections:
host      all             all             ::1/128              ident
# Allow replication connections from localhost, by a user with the
# replication privilege.
#local    replication     postgres                                peer
#host     replication     postgres          127.0.0.1/32         ident
#host     replication     postgres          ::1/128              ident
host      all             all             0.0.0.0/0            ident

```

7.添加系统服务

```

ln -s /home/sonarqube/sonarqube-7.9.1/bin/linux-x86-64/sonar.sh /usr/bin/sonar

vim /etc/init.d/sonarqube

#!/bin/sh
#
# rc file for SonarQube
#
# chkconfig: 345 96 10
# description: SonarQube system (www.sonarsource.org)
#
### BEGIN INIT INFO
# Provides: sonar
# Required-Start: $network

```

```
# Required-Stop: $network
# Default-Start: 3 4 5
# Default-Stop: 0 1 2 6
# Short-Description: SonarQube system (www.sonarsource.org)
# Description: SonarQube system (www.sonarsource.org)
### END INIT INFO
```

```
/usr/bin/sonar $*
```

```
chkconfig --add sonarqube
chkconfig sonarqube on
```

```
service sonarqube status
```