

# SonarQube Quality Profile 구성하기

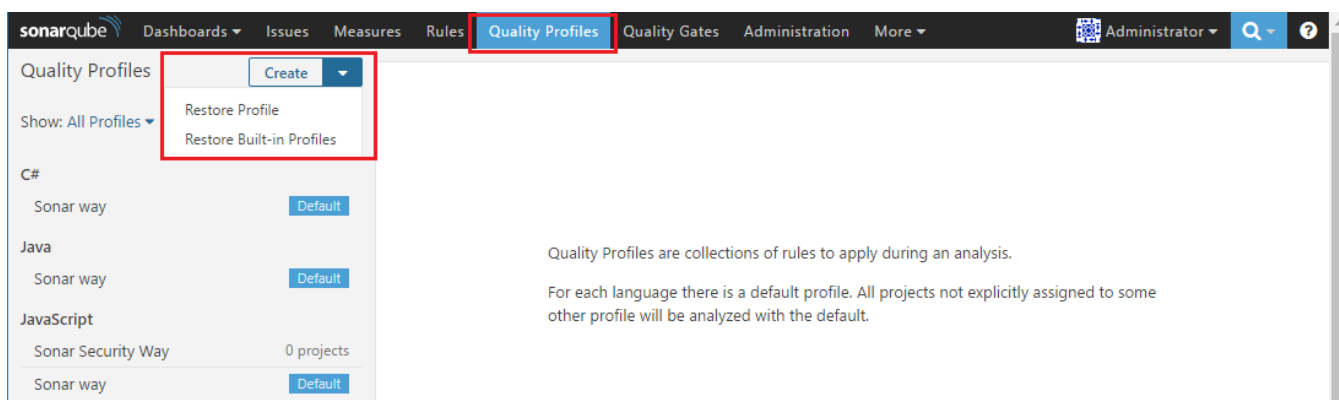
이 문서는 SonarQube Quality Profile 구성 가이드를 공유하기 위해 작성되었다.

- [Quality Profiles 생성](#)
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## Quality Profiles 생성

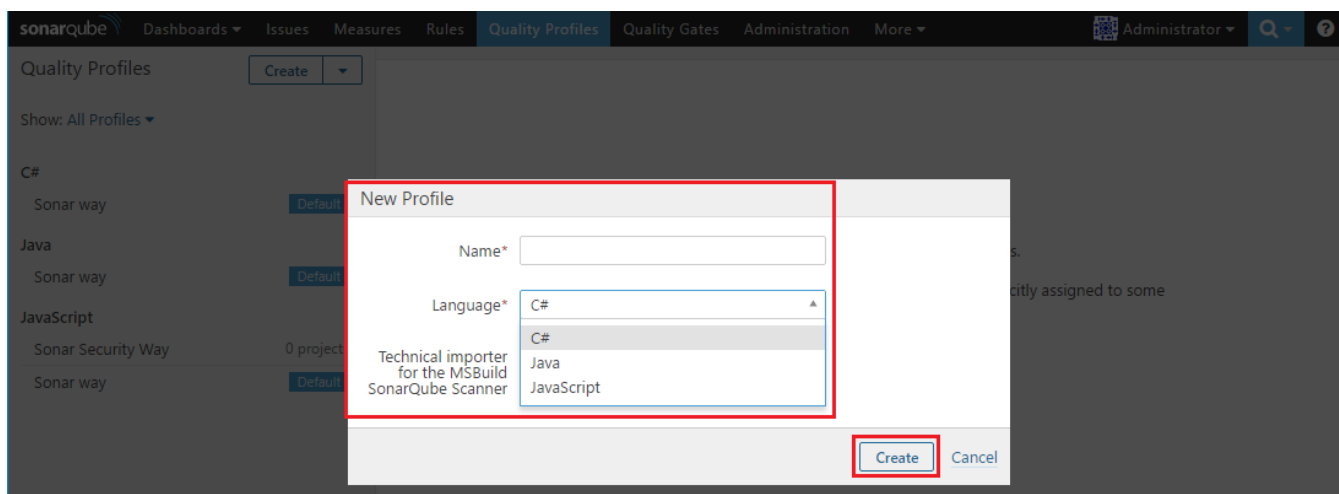
상단 메뉴 Quality Profiles 선택 > Create 버튼을 클릭 한다.

- Create : 생성
- Restore Profile : 프로파일 복원
- Restore Built-in Profiles : 초기 프로파일 복원



New Profile 아래 정보를 입력하고 Create 버튼을 클릭 한다.

- Name
- Language > C#
  - > Java
  - > JavaScript
- Technical importer for the MSBuild SonarQube Scanner



새로 생성한 Quality Profiles가 생성이 되었음을 확인 할 수 있다.

The screenshot shows the SonarQube interface for creating a new Quality Profile. The top navigation bar includes 'sonarqube', 'Dashboards', 'Issues', 'Measures', 'Rules', 'Quality Profiles' (selected), 'Quality Gates', 'Administration', and 'More'. The user is logged in as 'Administrator'. The left sidebar shows 'Quality Profiles' with a 'Create' button and a list of profiles for C#, Java, and JavaScript. The 'C#' section has a 'New' profile highlighted with a red box, showing '0 projects'. The main content area is titled 'New C#' and has a red box around the 'Back up', 'Rename', 'Copy', 'Set as Default', and 'Delete' buttons. Below this, the 'Rules' section shows '0 active rules' and a list of rule categories: Bug, Vulnerability, and Code Smell. The 'Projects' section has tabs for 'With', 'Without', and 'All', and a search bar. The 'Inheritance' section has a 'Change Parent' button. The 'Changelog' section has a search bar. The 'Compare' section has a dropdown menu and a 'Compare' button.

## Quality Profiles Backup and Restore

### 백업 하기

상단 Quality Profiles > Back up 버튼을 클릭 한다. .xml 형식으로 파일을 다운로드 할 수 있다.

The screenshot shows the SonarQube interface for creating a new quality profile. The 'Quality Profiles' tab is active. On the left, the 'C#' profile is selected. The main area shows the 'New C#' profile with a 'Back up' button highlighted. Below the profile name, there are sections for 'Rules' (0 active rules), 'Projects' (With, Without, All), 'Inheritance' (Change Parent), 'Changelog' (Optional to Optional), and 'Compare' (Sonar way). At the bottom, a file named 'cs-new-38961.xml' is shown, indicating the backup file.

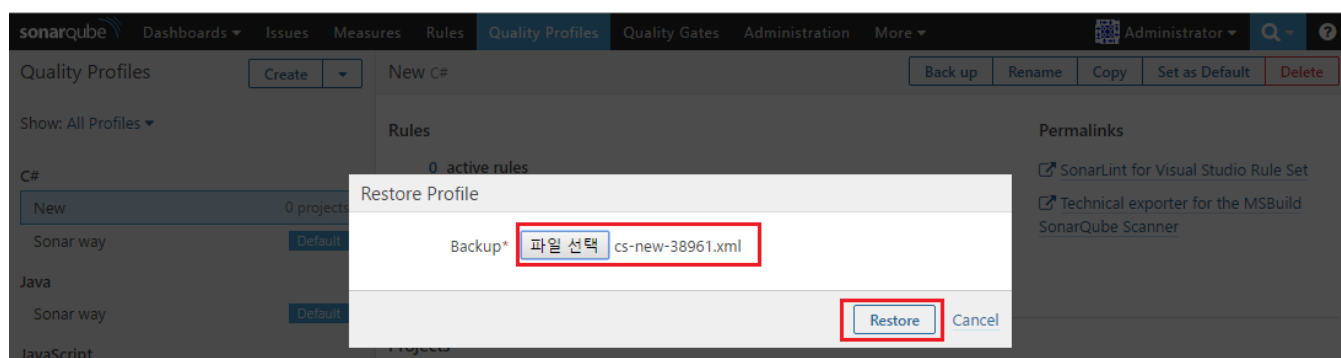
복원 하기

Quality Profiles > Create 버튼 옆의 화살표 아래 버튼을 클릭 한다. Restore Profile를 클릭 한다.

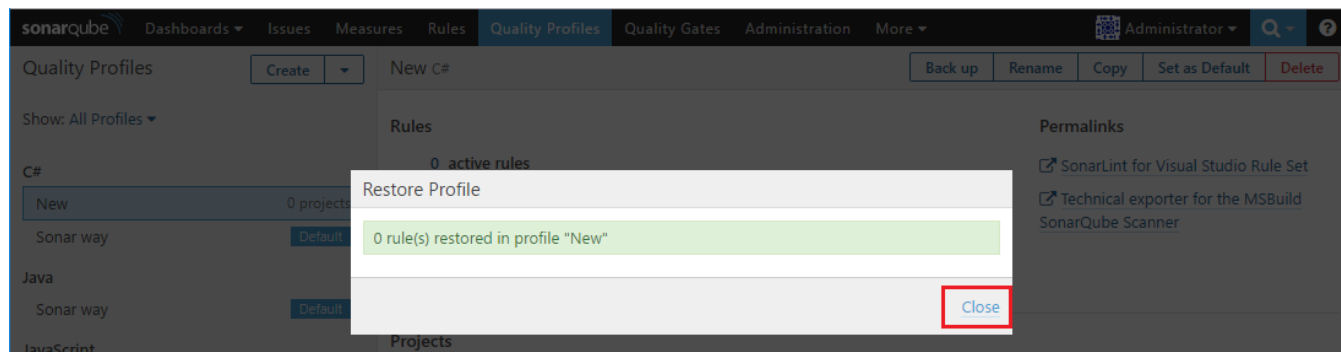
This screenshot shows the 'Create' button in the 'Quality Profiles' section. A dropdown menu is open, showing the 'Restore Profile' option. The 'New C#' profile is still selected in the main area.

Restore Profile

.xml로 다운 받았던 파일을 업로드 하고 Restore 버튼을 클릭 한다.

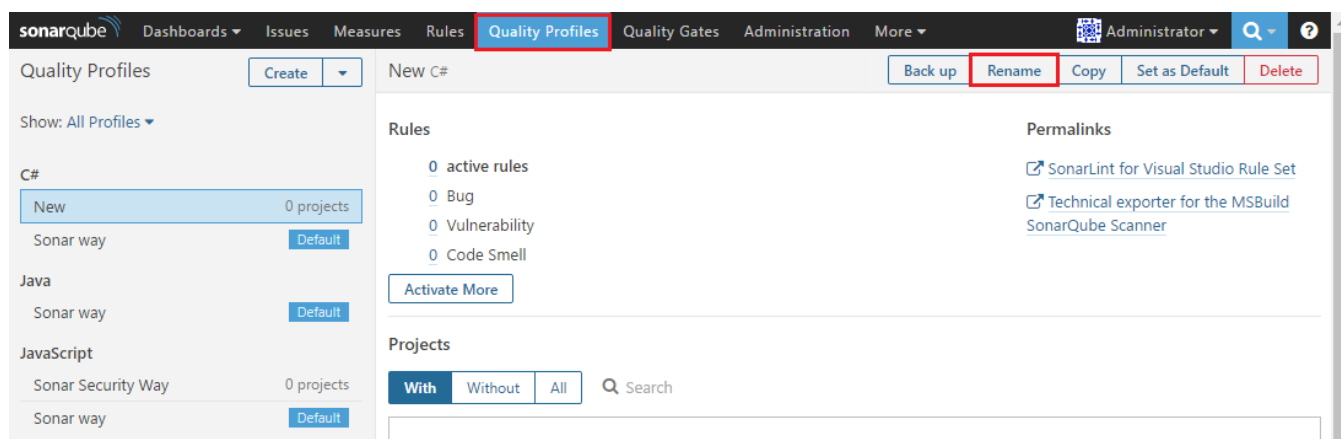


Profile Restore가 되었음을 확인 할 수 있다.



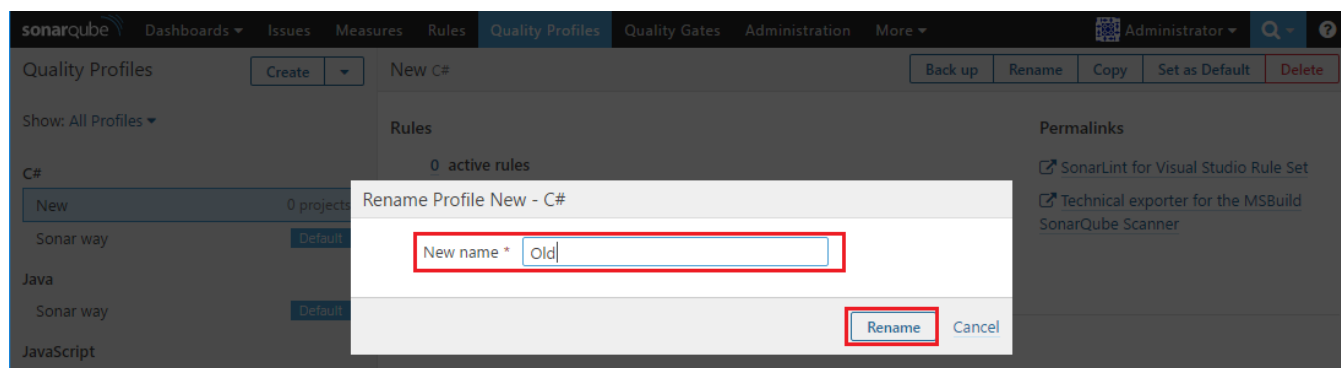
## Quality Profiles Rename

상단 메뉴 Quality Profiles > Rename 클릭 한다.

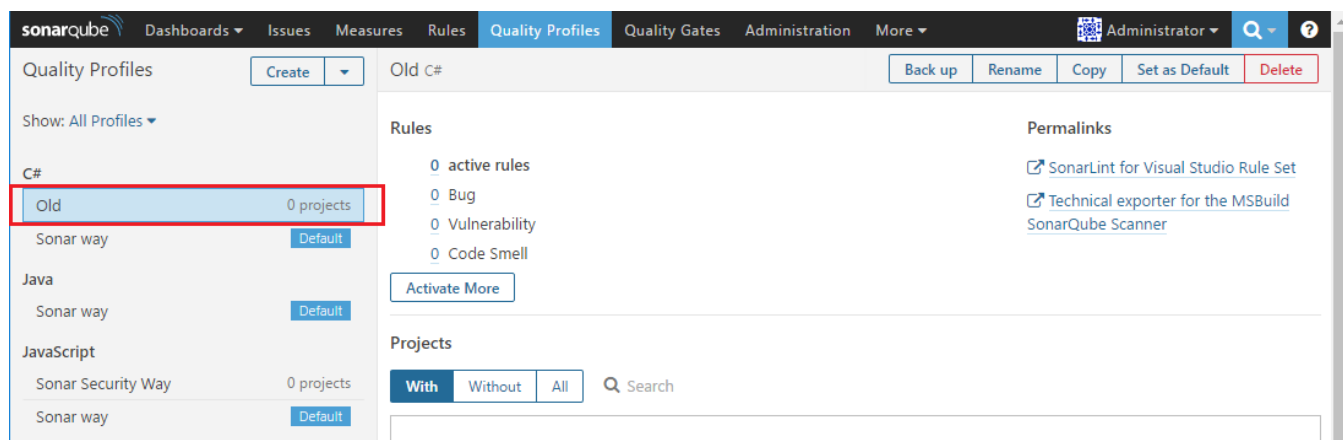


Rename Profile

New name 입력하고 Rename 버튼을 클릭 한다.

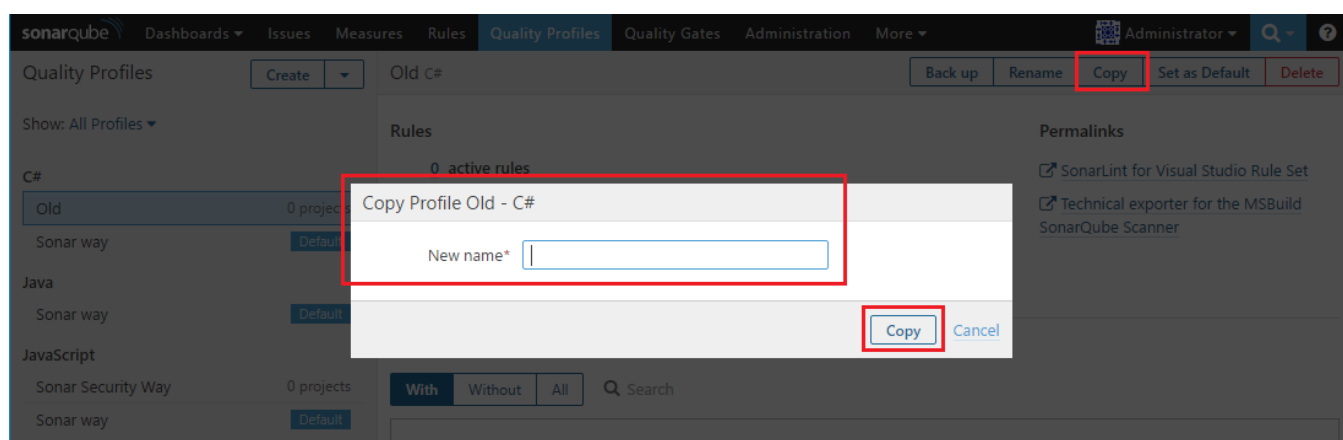


Quality Profile name이 변경 되었음을 확인 할 수 있다.

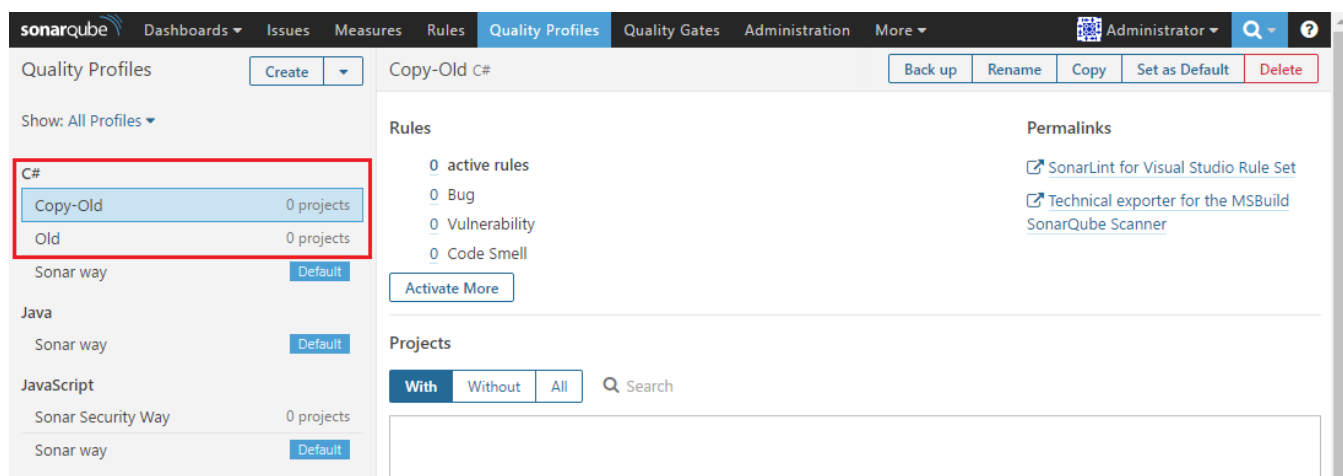


## Quality Profiles Copy

상단 메뉴 Quality Profiles > Copy 버튼을 클릭 한다. New name을 작성 하고 Copy 버튼을 클릭 한다.

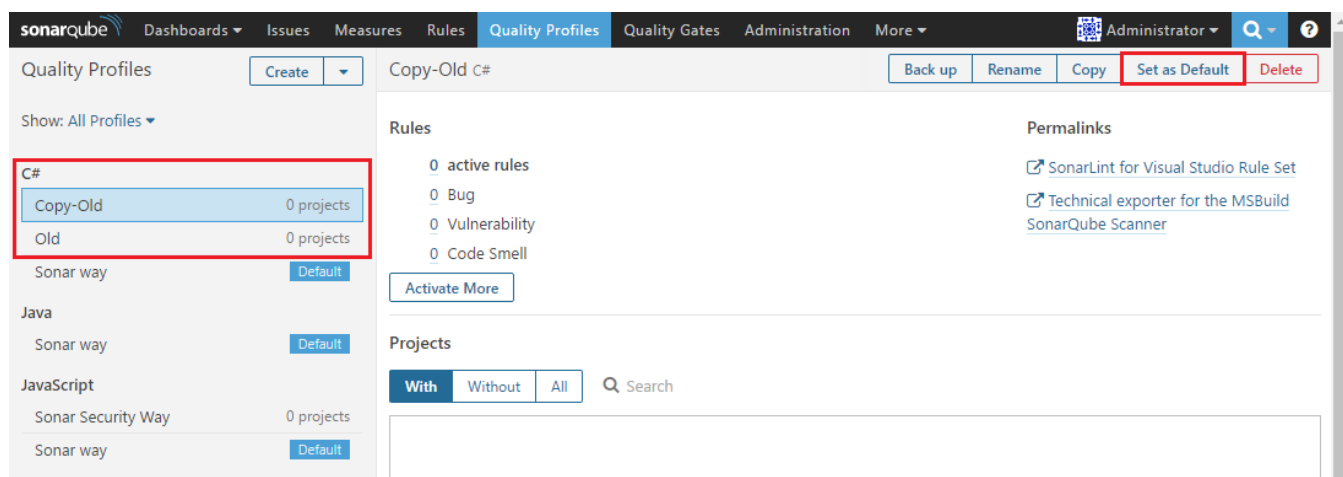


Copy가 되었음을 확인 할 수 있다.

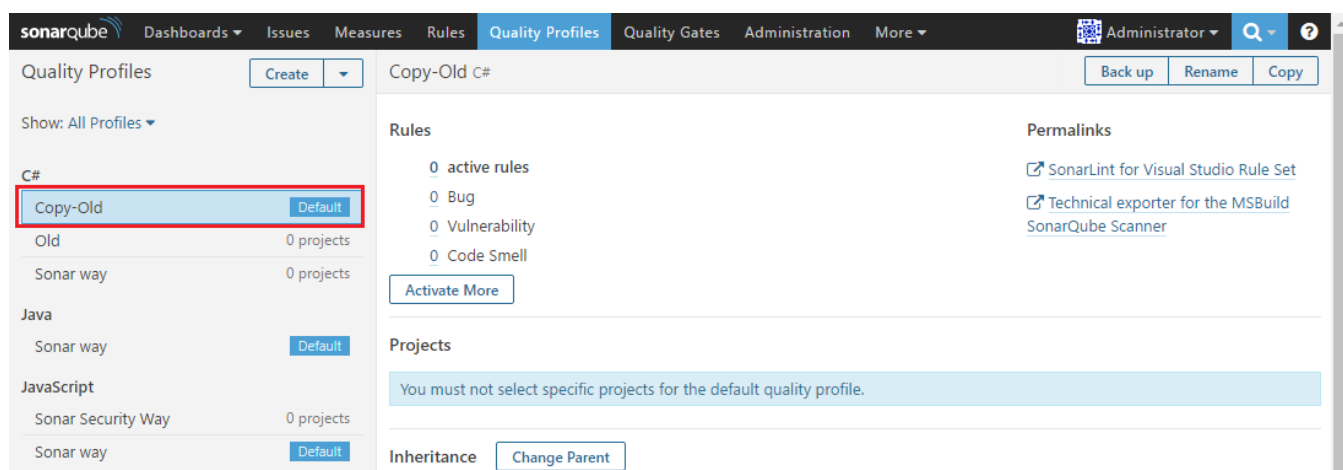


## Quality Profiles Set as Default

상단 메뉴 Quality Profiles > Set as Default 버튼을 클릭 한다.

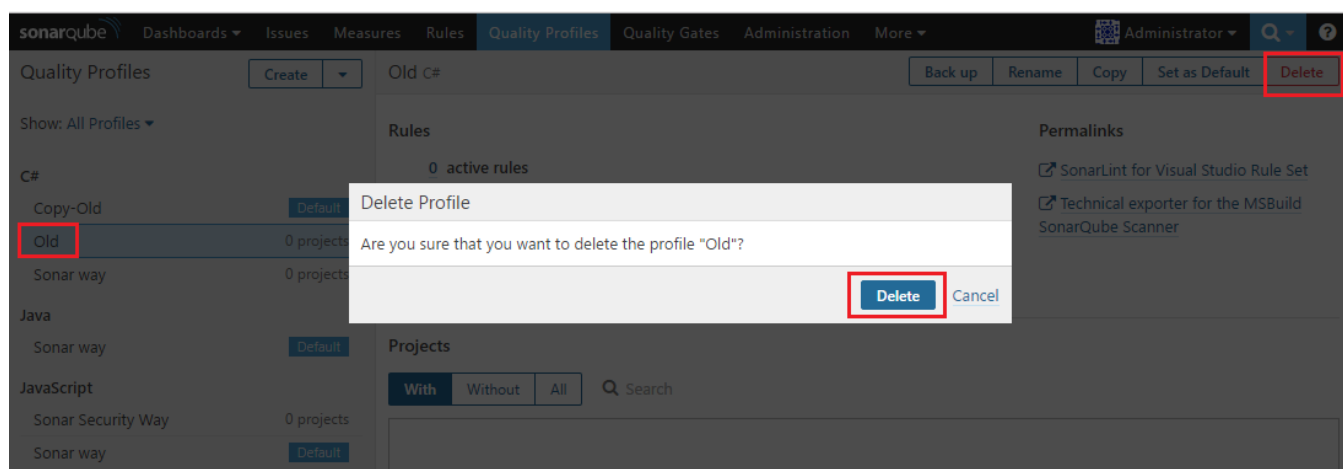


Default가 Sonar way에서 Copy-Old로 변경 되었음을 확인 할 수 있다.



## Quality Profiles Delete

Default로 되어 있는것은 삭제 할 수가 없다 따라서 Default가 아닌 Profile을 선택 하고 상단 메뉴 Quality Profiles > Delete을 클릭 한다.



해당 Quality Profile이 삭제 되었음을 확인 할 수 있다.

**Quality Profiles** [Create](#) [Copy-Old C#](#) [Back up](#) [Rename](#) [Copy](#)

Show: All Profiles ▾

**C#**

- Copy-Old** [Default](#)
- Sonar way 0 projects

**Java**

- Sonar way [Default](#)

**JavaScript**

- Sonar Security Way 0 projects
- Sonar way [Default](#)

**Rules**

- 0 active rules
- 0 Bug
- 0 Vulnerability
- 0 Code Smell

[Activate More](#)

**Permalinks**

- [SonarLint for Visual Studio Rule Set](#)
- [Technical exporter for the MSBuild SonarQube Scanner](#)

**Projects**

You must not select specific projects for the default quality profile.

## Quality Profiles 내보내기

Quality Profile은 백업 또는 다른 서버에 적용하는 용도를 위해 파일로 저장하는 기능을 제공한다. Profile을 선택 후 우측 상단의 톱니바퀴 아이콘을 클릭하여 Back up 메뉴를 선택한다.

**Quality Profiles / JavaScript** [Change log](#) [Settings](#)

Updated: 1 minute ago Used: Never

**Custom Java Profile**

Rules	Active	Inactive
<b>Total</b>	<b>0</b>	<b>227</b>
Bugs	0	61
Vulnerabilities	0	5
Code Smells	0	146
Security Hotspots	0	15

[Activate More](#)

Sonar way rules not included ⓘ 100

**Inheritance**

Custom Java Profile 100 active rules 0 overridden rules

**Projects**

No projects are explicitly associated to the profile.

- Activate More Rules
- Back up**
- Compare
- Copy
- Extend
- Rename
- Set as Default
- Delete

## Quality Profiles 가져오기

백업된 Quality Profile을 가져오는 기능을 제공한다. Quality Profiles 메뉴를 선택 후 우측 상단의 Restore 버튼을 클릭하여 복원할 파일을 지정한다.

⚠ 단, 백업된 Profile에 플러그인에서 제공하는 rule이 포함되어 있다면, 복원하는 SonarQube에도 해당 플러그인을 설치해야 rule이 동작한다.

**Quality Profiles** [Create](#) [Restore](#)

Quality Profiles are collections of rules to apply during an analysis.  
For each language there is a default profile. All projects not explicitly assigned to some other profile will be analyzed with the default.  
Ideally, all projects will use the same profile for a language. [Learn More](#)