



Integration to Crowd with SonarQube Plugin

Project Name:

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1 Plugin Install

1.1 Plugin Download

다음의 주소를 통해 Plugin 소스를 받은 후, jar 로 만들거나, 다운로드가 가능한 곳에서 jar 로 된 파일을 다운로드합니다.

<https://github.com/SonarQubeCommunity/sonar-crowd>

1.2 Plugin Deploy

다운로드한 jar 파일을 다음의 위치로 이동합니다.

<Sonarqube Home Directory>/extensions/plugins

1.3 Sonar Property Modification

sonarqube 를 정지한 뒤, sonar.properties 의 내용에 다음 내용을 추가합니다.

```
#vi <Sonarqube Home Directory>/conf/sonar.properties  
  
# Activates the plugin. Leave blank or comment out to use default SonarQube  
authentication.  
  
# sonar.authenticator.class: org.sonar.plugins.crowd.CrowdAuthenticator  
  
sonar.security.realm: Crowd  
  
  
# Ignore failure at startup if the connection to external system is refused.  
  
# Users can browse SonarQube but not log in as long as the connection fails.  
  
# When set to true, SonarQube will not start if connection to external system fails.  
  
# Default is false.
```

#sonar.authenticator.ignoreStartupFailure: true

Automatically create users.

When set to true, user will be created after successful authentication, if doesn't exists.

The default group affected to new users can be defined online, in SonarQube general settings. The default value is "sonar-users".

Default is false.

sonar.authenticator.createUsers: true

URL of the Crowd server (usually ends with /services/).

crowd.url:<http://localhost/crowd/>

Crowd application name.

Default is 'sonar'.

crowd.application:sonar

Crowd application password.

crowd.password:sonar

crowd.url 의 경우 실제 사용할 crowd 의 주소를 입력합니다.

2 Crowd Setting

2.1 Add application

Crowd 의 상단 메뉴에서 Applications 를 선택 후, 좌측 패널의 Add application 을 클릭합니다.

이후 다음 그림과 같이 설정한 뒤, Next 버튼을 클릭합니다.

(본 문서에서는 이름과 암호를 sonar / sonar 로 설정합니다)

Add application

Application type*

Are you connecting JIRA to Crowd, or perhaps Confluence or Bamboo?

Name*

The unique name that the application will use to authenticate against the Crowd framework as a client.

Description

A short description of the application. Often a URL is helpful.

Password*

Confirm password*

Next Cancel

다음과 같이 실제 사용할 Crowd 의 URL 을 입력한 뒤 Resolve IP Address 버튼을 클릭합니다.

Add application - sonar

[Details](#)

URL*

The URL where this application resides, e.g. https://jira.atlassian.com

Remote IP address*

The IP address for the application, e.g. 127.0.0.1

Next Cancel

Crowd Internal Directory 를 사용하도록 체크한 뒤 Next 버튼을 클릭합니다.

Add application - sonar

Please select the directories you are going to let this application use for authentication and authorisation.

serverJira Crowd server

Crowd Internal Directory

Next Cancel

Allow all users to authenticate 에 체크한 뒤 Next 버튼을 클릭합니다.

Add application - sonar

Either 'allow all' users access from a given directory to the 'sonar' application, or choose the specific groups from each

Directory – serverJira Crowd server

Allow all users to authenticate

Let all users in this directory authenticate against the 'sonar' application.

Next Cancel

Add application 버튼을 클릭하여 완료합니다.

Add application - sonar

Application type **Generic Application**
Name **sonar**
URL **http://192.168.0.89:9000**
Remote IP address **192.168.0.89**

Directory – serverJira Crowd server

Authorised groups All users in this directory have access to the 'sonar' application.

2.2 SonarQube login with crowd

sonarqube 를 실행한 뒤, crowd 의 Internal Directory 의 사용자들로 sonarqube 에 로그인 이 가능한지 확인합니다.

2.3 Error Example

기존 crowd 가이드인 <http://docs.sonarqube.org/display/SONARQUBE45/Crowd+Plugin> 참조하여 실행할 경우, 다음의 에러가 발생

```
ERROR web[o.a.c.c.C.[./]] Exception sending context initialized event to listener instance of class org.sonar.server.platform.PlatformServletContextListener
```

```
org.sonar.api.utils.SonarException: Authenticator  
'org.sonar.plugins.crowd.CrowdAuthenticator' not found. Please check the property  
'sonar.authenticator.class' in conf/sonar.properties
```

```
at org.sonar.server.user.SecurityRealmFactory.<init>(SecurityRealmFactory.java:56)  
~[sonar-server-4.5.6.jar:na]
```

3 참고자료

Reverting from Crowd or JIRA applications to Internal User Management:

<https://confluence.atlassian.com/doc/reverting-from-crowd-or-jira-applications-to-internal-user-management-188086.html>
