## **Custom & Multiple Authentication Providers in Single Spring Boot Application**

 Create Custom Authentication Provider class by implementing AuthenticationProvider Interface and override Authenticate and Support method.
 Support Method Checks for Type of Authenticate Request.
 Authenticate Method where actual authentication takes place.

```
public Authentication authenticate (Authentication authentication) throws
: authentication.getName();
        if (StringUtils.isEmpty(username))
        UserDetails user = null;
            user = userDetailsService.loadUserByUsername(username);
        return createSuccessfulAuthentication(authentication, user);
   private Authentication createSuccessfulAuthentication (Authentication authentication,
UserDetails user) {
        UsernamePasswordAuthenticationToken token = new
    public boolean supports(Class<?> authentication) {
```

Modifying SpringSecurity Configuration File.
 Create Instance of CustomAuthenticationProvder.
 Create Bean of DAOAuthenticationProvider.
 On Type of Request and output of Support Method Particular Authentication Provider will be get selected and whose Authenticate method will be get invoked thorugh Authenticate method of Authentication Manager which will contain logic for actual Authentication .

```
@Resource
CustomAuthenticationProvider customAuthenticationProvider;
```

```
@Bean
public DaoAuthenticationProvider authProvider()
{
    DaoAuthenticationProvider daoAuthenticationProvider = new
DaoAuthenticationProvider();
    daoAuthenticationProvider.setPasswordEncoder(encodepwd());
    daoAuthenticationProvider.setUserDetailsService(userDetailsService);
    return daoAuthenticationProvider;
}
```

```
@Override
protected void configure(AuthenticationManagerBuilder auth) throws Exception {
    // auth.userDetailsService(userDetailsService).passwordEncoder(encodepwd());
    auth.authenticationProvider(authProvider())
        .authenticationProvider(customAuthenticationProvider);
}
```