

Q55 - Servlet Security [7]

Considering the following servlet code, choose statements which are true:

```
package com.nullhaus;

import javax.annotation.security.*;
import javax.servlet.http.*;
import java.io.*;

@DeclareRoles("Barbra")
public class MyBarbra extends HttpServlet {
}
```

- a. This annotation defines a security role "Barbra" for the "MyBarbra" servlet
- b. This annotation defines a security role link for the "Barbra" role within the "MyBarbra" servlet
- c. This is an invalid usage of `@DeclareRoles` annotation
- d. This annotation is defined in Common Annotations, not Servlet 3.0
- e. This annotation is equal to the following DD fragment:

```
<web-app ...>
  <security-role>
    <role-name>Barbra</role-name>
  </security-role>
</web-app>
```

[Hide answer](#)

a, d, e

Reference: page 181, 15.5.1 "@DeclareRoles"

Explanation: This is a valid usage of the `@DeclareRoles` annotation which defines a security role with name passed as the annotation `value` attribute.

It is **impossible** to create a security role link using `@DeclareRoles` annotation. To do so, one should **use the DD**.

This annotation is defined in [Common Annotations](#) which means that if you're using i.e. Tomcat 7, you need to add the annotations-api.jar to your classpath.