Okta OIDC Client Creation and Configuration for Spring Boot

1. Creating an OIDC Client in Okta

- 1. Log in to your Okta Developer Console.
- Navigate to Applications > Applications.
- 3. Click on Create App Integration.
- 4. Select **OIDC OpenID Connect** as the Sign-in method.
- 5. Choose Web Application and click Next.
- 6. Fill in the details:
 - App Name: SpringBootApp
 - Sign-in redirect URIs:

```
http://localhost:8080/login/oauth2/code/okta
```

- Sign-out redirect URIs: http://localhost:8080
- 7. Assign users or groups as needed.
- 8. Click Save and copy the Client ID and Client Secret.

2. Configuring Default Scopes and Policies

- 1. Navigate to **Security > API > Authorization Servers**.
- Select the **default** authorization server.
- 3. Go to the **Scopes** tab and add the following scopes if not present:
 - o openid
 - o profile
 - o email
- 4. Go to the Access Policies tab:
 - Create a new policy if needed.
 - o Add a rule to allow access to your OIDC client.

3. Spring Boot Integration

Dependencies

Add the following dependencies to pom.xml:

```
<dependencies>
  <dependency>
```

Spring Security Filter Configuration

import org.springframework.context.annotation.Bean;

Create a security configuration class:

```
import org.springframework.security.config.annotation.web.builders.HttpSecurity; import org.springframework.security.web.SecurityFilterChain;

@Configuration
```

Application Properties Configuration

Add the following to application.properties:

spring.security.oauth2.client.registration.okta.client-id=your-client-id spring.security.oauth2.client.registration.okta.client-secret=your-client-secret spring.security.oauth2.client.registration.okta.scope=openid, profile, email

spring.security.oauth2.client.provider.okta.issuer-uri=https://your-okta-domain/oauth2/default

4. Running and Testing

- 1. Start the Spring Boot application.
- 2. Access http://localhost:8080, and you should be redirected to Okta for authentication.
- 3. Upon successful login, Okta redirects back to the application with user authentication.

This setup ensures secure authentication and authorization for your Spring Boot application using Okta OIDC.