



# **Red Hat Single Sign-On Continuous Delivery 7.3.0.cd02**

## **Release Notes**

For Use with Red Hat Single Sign-On Continuous Delivery 7.3.0.cd02



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## Abstract

This guide contains release notes for Red Hat Single Sign-On Continuous Delivery Red Hat Single Sign-On Continuous Delivery 7.3.0.cd02 is \*Technology Preview\* and is not fully supported.

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# CHAPTER 1. RED HAT SINGLE SIGN-ON CONTINUOUS DELIVERY 2

## 1.1. CLIENT SCOPES AND SUPPORT FOR OAUTH 2 SCOPE PARAMETER

We added support for Client Scopes, which replaces Client Templates. Client Scopes are a more flexible approach and also provides better support for the OAuth **scope** parameter.

There are changes related to Client Scopes to the consent screen. The list on the consent screen is now linked to client scopes instead of protocol mappers and roles.

See the documentation and migration guide for more details.

## 1.2. OAUTH 2 CERTIFICATE BOUND ACCESS TOKENS

We now have a partial implementation of the specification [OAuth 2.0 Mutual TLS Client Authentication and Certificate Bound Access Tokens](#) . More accurately we have support for the Certificate Bound Access Tokens. If your confidential client is able to use 2-way SSL, Red Hat Single Sign-On will be able to add the hash of the client certificate into the tokens issued for the client. At this moment, it's just the Red Hat Single Sign-On itself, which verifies the token hashes (for example during **refresh token** requests). We plan to add support to adapters as well. We also plan to add support for Mutual TLS Client Authentication.

Thanks to [tnorimat](#) for the contribution.

## CHAPTER 2. RED HAT SINGLE SIGN-ON CONTINUOUS DELIVERY 1

### 2.1. AUTHORIZATION SERVICES

#### 2.1.1. UMA 2.0

UMA 2.0 is now supported for Authorization Services, including support for users to manage user access through the account management console. There are also other additions and improvements to authorization services.

#### 2.1.2. Pushed Claims

Clients can now push additional claims and have them used by policies when evaluating permissions.

#### 2.1.3. Resource Attributes

It is now possible to define attributes on resources in order to have them used by policies when evaluating permissions.

### 2.2. THEMES AND THEME RESOURCES

It is now possible to hot-deploy themes to Keycloak through a regular provider deployment. We have also added support for theme resources, which allows adding additional templates and resources without creating a theme. This is useful for custom authenticators that require additional pages to be added to the authentication flow.

We have also added support to override the theme for specific clients. If that is not adequate for your needs, then there is also a new Theme Selector SPI that allows you to implement custom logic to select the theme.

### 2.3. INSTAGRAM IDENTITY PROVIDER

We have added support to login with Instagram. Thanks to [hguerrero](#) for the contribution.

### 2.4. SEARCH BY USER ID IN ADMIN CONSOLE

To search for a user by id in the admin console you previously had to edit the URL. It is now possible to search directly in the user search field.

### 2.5. ADAPTERS

#### 2.5.1. Sprint Boot 2

We now have support for Spring Boot 2.

#### 2.5.2. Fuse 7

We now have support for Fuse 7.



### 2.5.3. JavaScript - Native Promise Support

The JavaScript adapter now supports native promises. It retains support for the old style promises as well. Both can be used interchangeably.

### 2.5.4. JavaScript - Cordova Options

It is now possible to pass Cordova-specific options to login and other methods in the JavaScript adapter. Thanks to [loorent](#) for the contribution.