

HCL Commerce V9.1

Commerce Password Policy Enhancement

Draft - Version 0.1
May 31, 2021



HCL Commerce

Document Source

Version #	Date	Version Description and Summary of changes	Editor
0.1	May 31, 2021	Draft - First version for review	Ravi Rai / Rahul Yewale

1. Introduction

Provide a feature to configure the new rules for password policy and same will be applicable for Administrators / Shoppers at the time registration / profile update.

2. About the Code

Once you have received approval to integrate the Commerce Password Policy Enhancements, you will receive a GIT HUB access, which contains the following folders:

1. crs-web
2. DataLoad
3. HCL_Commerce_Tooling
4. WC
5. WebSphereCommerceServerExtensionsData
6. WebSphereCommerceServerExtensionsLogic

3. Integration Steps

3.1. Backup all files which you are going to change in this Integration.

3.2. Run DataLoad

Run sql

- Run the Password_Policy_Enhancement.sql from
DataLoad\sql\Password_Policy_Enhancement.sql

3.3. Merge the “crs-web” changes

- Merge the below files from crs-web to “{HCL Commerce workspace} \ crs-web”. Add the code that is between the comments “## Password Policy Enhancement Start” AND “## Password Policy Enhancement End”.

1. crs-web\src\main\resources\AuroraStorefrontAssetStore\storeErrorMessage.properties
2. crs-web\src\main\resources\AuroraStorefrontAssetStore\storeErrorMessage_en_US.properties

3.4. Merge and Copy the “HCL_Commerce_Tooling” changes

- Merge the below files from HCL_Commerce_Tooling to “{HCL Commerce workspace} \HCL_Commerce_Tooling”.
Add the code that is between the comments “<!-- Password Policy Enhancement Start --> OR /* Password Policy Enhancement Start */” AND “<!-- Password Policy Enhancement End --> OR /* Password Policy Enhancement End */”

1. HCL_Commerce_Tooling\commerce-tooling\src\app\features\security-policies\components\define-password-policy\define-password-policy.component.html

2. HCL_Commerce_Tooling\commerce-tooling\src\app\features\security-policies\components\define-password-policy\define-password-policy.component.ts
3. HCL_Commerce_Tooling\commerce-tooling\src\app\features\security-policies\services\security-policies-main.service.ts

- Merge the below files from “HCL_Commerce_Tooling\commerce-tooling\src\assets\i18n\en-US.json” to “{HCL Commerce workspace} \ HCL_Commerce_Tooling\commerce-tooling\src\assets\i18n\en-US.json”.

```
"SECURITY_POLICY_NAME": "Security Policy Name",
"MAX_CONSECUTIVE_CHAR_TYPES": "Maximum consecutive character types",
"MIN_ALPHABETIC_CHARS": "Minimum number of alphabetic characters",
"MAX_INSTANCES_OF_ANY_CHARS": "Maximum instances of any character",
"MIN_NUMERIC_CHARS": "Minimum number of numeric characters",
"MAX_LIFETIME_OF_PASSWORD_IN_DAYS": "Maximum lifetime of the password in days",
"MIN_PASSWORD_LENGTH": "Minimum length of the password",
"MIN_UPPER_CASE_CHARS": "Minimum number of upper case characters",
"MIN_LOWER_CASE_CHARS": "Minimum number of lower case characters",
"MIN_SPECIAL_CASE_CHARS": "Minimum number of special characters",
"STORE_SITE_URLS": "Store site urls",
"INVALID_VALUE_FOR_STORE_SITE_URLS": "Format should be like storeId1-storeSiteUrl1|storeId2-storeSiteUrl2..",
"CHAR_SEQUENCE": "Character sequence",
"NO_OF_PASSWORDS_KEPT_PASSWORD_HISTORY": "Number of passwords kept in password history",
"DEFINE_CRITERIA": "Define the criteria for a password policy.",
"ALLOW_USER_ID_PASSWORD_MATCH": "Allow user ID and password to match.",
"DO_NOT_ALLOW": "Do not allow user ID and password to match.",
"ACCOUNT_LOCKOUT_THRESHOLD": "Account lockout threshold",
"WAIT_TIME": "Wait time",
```

- Copy the below file from HCL_Commerce_Tooling to “{HCL Commerce workspace} \HCL_Commerce_Tooling”.

1. HCL_Commerce_Tooling\commerce-tooling\src\app\rest\services\password-policy-ext.service.ts

3.5. Merge the “WC” changes

- Merge the below files from WC to “{HCL Commerce workspace} \ WC”. Add the code that is between the comments “## Password Policy Enhancement Start” AND “## Password Policy Enhancement End”.

1. WC\properties\com\ibm\commerce\ras\properties\ecServerMessages.properties
2. WC\properties\com\ibm\commerce\ras\properties\ecServerMessages_en_US.properties

- Merge and Copy “Rest-Transaction” war changes.

1. Merge the below highlighted change from “WC\Rest-Transaction\WEB-INF\web.xml” to “{HCL Commerce workspace} \WC\Rest-Transaction\WEB-INF\web.xml”

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app id="WebApp_ID" version="3.0"
  xmlns="http://java.sun.com/xml/ns/javaee" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app_3_0.xsd">
  <display-name>Rest-Transaction</display-name>

  <servlet>
    <servlet-name>AdminRestServletV2</servlet-name>
    <servlet-class>org.apache.wink.server.internal.servlet.RestServlet</servlet-class>
    <init-param>
      <param-name>applicationConfigLocation</param-name>
      <param-value>
        /WEB-INF/config/admin/v2/resources.properties; /WEB-INF/config/admin/v2/resources-ext.properties; /WEB-INF/config/admin/v2/providers.properties
      </param-value>
    </init-param>
  </servlet>
</web-app>
```

2. Copy below files from WC\Rest-Transaction to "{HCL Commerce workspace} \WC\Rest- Transaction.war"

1. WC\Rest-Transaction\WEB-INF\config\admin\v2\ resources-ext.properties
2. WC\Rest-Transaction\WEB-INF\data\v2\ ext-password-policy.yml

3.6. Copy the "WebSphereCommerceServerExtensionsData" changes

- Copy the below folder from WebSphereCommerceServerExtensionsData to "{HCL Commerce workspace} \WebSphereCommerceServerExtensionsData".

1. WebSphereCommerceServerExtensionsData\ejbModule\com\hcl\commerce\passwordpolicy\ **(Copy Complete Folder)**

3.7. Copy the "WebSphereCommerceServerExtensionsLogic" changes

- Copy the below files from WebSphereCommerceServerExtensionsLogic to "{HCL Commerce workspace} \WebSphereCommerceServerExtensionsLogic".

1. WebSphereCommerceServerExtensionsLogic\src\com\hcl\commerce\ras\ExtECMessage.java
2. WebSphereCommerceServerExtensionsLogic\src\com\hcl\commerce\rest\admin\v2\user\ExtPasswordPolicyResource.java
3. WebSphereCommerceServerExtensionsLogic\src\com\hcl\commerce\security\commands\HCLExtAuthenticationPolicyCmdImpl.java

3.8. Restart the Server.

3.9. Clear the cache of browser.