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HOW TO CONFIGURE THE SOLABS QM 10 TO INTERACT WITH ONELOGIN

Status: Approved & Effective   **Effective Date:** 2024-04-25
Control Number: TINS000069   **Version:** 4.0

DOCUMENT INFORMATION TABLE

Name	How to configure the SOLABS QM 10 to interact with OneLogin
Document Type	Technical Instructions
Description	Steps to be execute in order to configure the One Login feature in SOLABS QM 10.
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RELATED ITEMS

N/A

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APPROVAL TABLE

Status[1]	Selected for Approval username (Full Name), *Title*	Approved By username (Full Name)	Meaning	Approval Date
APP	pdemers@solabs.com (Pascal Demers), *N/A*	pdemers@solabs.com (Pascal Demers)	Originator (Author)	2024-04-12 14:13:05 UTC-04:00
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APP	Any, *Head of Product & Quality Management*	mboire@solabs.com (Martine Boire)	Approver	2024-04-25 18:32:37 UTC-04:00

[1] Legend:
NS: Not Started
AWA: Awaiting Approval
APP: Approved
REJ: Rejected
STO: Stopped

How to configure the One login feature in SOLABS QM 10 – SOLABS side

CREQ NUMBER:	**CREQ-** _____
INSTANCE	INTERNAL: ☐ QUALIF: ☐ TEST: ☐ VALIDATION: ☐ PRODUCTION: ☐
BACKUP REQUIRED: YES: ☒ NO: ☐	SOLABS DB: ☐ SOLABS QM APP FOLDER: ☒
CLIENT:	

	NAME	SIGNATURE	INITIALS	DATE
EXECUTED BY:				
REVIEWED BY:				

1. INTRODUCTION

PURPOSE OF THIS DOCUMENT:

Configure the One Login feature in SOLABS QM10 using a pre-existing SAML application.

OBJECTIVE	CONFIGURE THE ONE LOGIN FEATURE OF SOLABS QM 10.
ASSUMPTIONS	THE ONE LOGIN DIRECTORY HAS BEEN CONFIGURED BY THE CLIENT AND THE INFORMATION HAS BEEN SENT TO SOLABS THROUGH FORM000017 .
TYPE OF ACCESS REQUIRED	Administrative access to the Web Application server.
APPLICABLE TO THE FOLLOWING OPERATING SYSTEMS	Windows server R2 2012 Std. & Windows server 2016 Std.
SYSTEM DOWNTIME REQUIRED	30 minutes
ESTIMATED EXECUTION TIME	30 minutes
ROLL-BACK PROCEDURE	Restore backup
Applicable SOLABS QM version	10.10.0 AND ABOVE

2. EXECUTION

Core Files configuration:

1. ☐ Connect to the target SOLABS QM Instance.

2. ☐ Access the Setup section.

3. ☐ In the Dashboard's Administration tab, click on **Azure AD** under **External SSO Configurations**

4. ☐ Click on **Modify** in the menu.

5. Configure the following fields with the information received by the client (ref. FORM000017):

    a. ☐ **External SSO Enabled**=<Checked>

    b. ☐ **Default MFA Factor**=<Select **Authenticator Code**, unless specified otherwise>

    c. ☐ **CLIENT ID**=<**Client ID**>

    d. ☐ **CLIENT SECRET**=<**Client Secret**>

    e. ☐ **Sub-Domain**=<**OneLogin instance's Domain, from SAML URL**>

    f. ☐ **Region**=<**Region of the OneLogin instance**>

    g. ☐ **IP**=<leave empty>

6. ☐ **Submit**, then **Confirm**.

7. ☐ Connect to the Web application server. Specify the name: _____

8. ☐ Create a folder in the SOLABS Work folder following the internal nomenclature.

9. ☐ Stop the SOLABS QM instance service.

10. ☐ Make a backup of the core files.

11. ☐ Open the file "server\server\solabs-qm\lib\onelogin-java-sdk-1.6.0.jar" with 7-zip

12. ☐ From there, extract the "onelogin.sdk.properties" in the work directory.

13. ☐ Edit the file onelogin.sdk.properties and configure the following field with the information received by the client (ref.: FORM000017):

   a. ☐ **onelogin.sdk.client_id**=<**Client ID**>

   b. ☐ **onelogin.sdk.client_secret**=<**Client Secret**>

   c. ☐ **onelogin.sdk.region**=<**Region of the OneLogin instance**>

   d. ☐ **onelogin.sdk.ip** = <leave empty>

14. ☐ Save and close the file.

15. ☐ Drag the file back in the "onelogin-java-sdk-1.6.0.jar" currently opened in 7-zip.

16. ☐ Close the "onelogin-java-sdk-1.6.0.jar" currently opened in 7-zip.

SAML configurations:

17. ☐ Open the "setup/config/war/WEB-INF/" folder and copy the file "context.xml" and "picketlink.xml" to a temporary folder. Makes sure it's the updated folder to avoid using outdated files (the updated folder will always be accessible from the "Solabs QM Setup" repository.

18. ☐ Open "picketlink.xml" in Notepad

19. ☐ Open "picketlink.xml" in Notepad

20. ☐ Replace all the instances of the following variables with their respective value (ref. FORM000017):

   a. ☐ @SAML_PROVIDER_URL@=<**OneLogin instance SAML URL**>

   b. ☐ @SAML_PROVIDER_DOMAIN@=<**OneLogin instance's Domain, from SAML URL**>

   c. ☐ @SAML_SERVICE_DOMAIN@=< **Reply URL as configured in OneLogin**'s domain>.
   (Ex.: If Reply URL as configured in OneLogin is https://client1.solabs.com/qm?useSamlRoute=true, the SAML_SERVICE_DOMAIN should be set to client1.solabs.com)

   d. ☐ @REMOTE_URL@=< **Reply URL as configured in OneLogin)**>

21. ☐ Change the Value of the KeyStorePass with the keystore password of the SOLABS QM10 instance.

22. ☐ Go to the "server\server\solabs-qm\deploy\solabs-qm.ear\ " folder and open "solabs-qm.war" with 7-zip.

23. ☐ Add both the modified "picketlink.xml" and "context.xml" file to the "solabs-qm.war\WEB-INF\" folder.

24. ☐ Close the "solabs-qm.war" file currently opened in 7-zip.

25. ☐ Copy the certificate file for the OneLogin instance (sent by the customer) in the "setup" folder.

26. ☐ Open a command prompt inside the "setup" folder.

27. ☐ Execute this command (replace "SAML.cert" with the name of the certificate file and "KEYSTORE_PASS" with the right keystore password):

```
java\bin\keytool.exe -noprompt -importcert -alias saml-ol-certificate -file "SAML.cert" -keystore
"../server/server/solabs-qm/conf/SolabsQM.keystore" -storepass KEYSTORE_PASS
```

28. As a precautionary measure, delete the <INSTALL_DIR>/server/server/solabs-qm/tmp directory.

29. ☐ As a precautionary measure, delete the <INSTALL_DIR>/server/server/solabs-qm/work directory.

30. ☐ Start the SOLABS QM instance service.

3. COMMENTS