

## HOW TO CONFIGURE THE SOLABS QM 10 TO INTERACT WITH ONELOGIN

Status: Approved & Effective

Effective Date: 2020-10-15 UTC-04:00

Control Number: TINS000069

Version: 3.0

### DOCUMENT INFORMATION TABLE

<b>Name</b>	How to configure the SOLABS QM 10 to interact with OneLogin
<b>Document Type</b>	Technical Instructions
<b>Description</b>	Steps to be execute in order to configure the One Login feature in SOLABS QM 10.
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<b>ISO Reference</b>	8. Operation
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<b>Document Owner</b>	FCT_System Integrator
<b>Document Coordinator</b>	N/A

### RELATED ITEMS

N/A

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### APPROVAL TABLE

Status	Order	Approver (Role)	Approver (User)	Approved By	Meaning	Approval Date
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Approved	3	FCT_Head of Product & Quality Management	any	mboire@solabs.com (Martine Boire)	Approver	2020-10-15 UTC-04:00

EFFECTIVE

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



CREQ NUMBER:	CREQ- _____				
INSTANCE	INTERNAL: <input type="checkbox"/> QUALIF: <input type="checkbox"/> TEST: <input type="checkbox"/> VALIDATION: <input type="checkbox"/> PRODUCTION: <input type="checkbox"/>				
BACKUP REQUIRED: YES: <input checked="" type="checkbox"/> NO: <input type="checkbox"/>	SOLABS DB: <input type="checkbox"/> SOLABS QM APP FOLDER: <input checked="" type="checkbox"/>				
CLIENT:					
EXECUTED BY:					
REVIEWED BY:					
	NAME		SIGNATURE	INITIALS	DATE

# 1. INTRODUCTION

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## PURPOSE OF THIS DOCUMENT:

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

<b>OBJECTIVE</b>	<b>CONFIGURE THE ONE LOGIN FEATURE OF SOLABS QM 10.</b>
<b>ASSUMPTIONS</b>	THE ONE LOGIN DIRECTORY HAS BEEN CONFIGURED BY THE CLIENT AND THE INFORMATION HAS BEEN SENT TO SOLABS.
<b>TYPE OF ACCESS REQUIRED</b>	Administrative access to the Web Application server.
<b>APPLICABLE TO THE FOLLOWING OPERATING SYSTEMS</b>	Windows server R2 2012 Std. & Windows server 2016 Std.
<b>SYSTEM DOWNTIME REQUIRED</b>	30 minutes
<b>ESTIMATED EXECUTION TIME</b>	30 minutes
<b>ROLL-BACK PROCEDURE</b>	Restore backup
<b>Applicable SOLABS QM version</b>	10.8.2 AND ABOVE

# 2. EXECUTION

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Core File configuration:

1.  Connect to the Web application server. Specify the name: \_\_\_\_\_
2.  Create a folder in the SOLABS Work folder following the internal nomenclature.
3.  Stop the SOLABS QM instance service.
4.  Make a backup of the core files.
5.  Edit the <Instal\_Dir>\setup\configuration.properties.
6. Configure the following field with the information received by the client:
  - a.  **EXTERNAL\_SSO\_ENABLED** = true
  - b.  **EXTERNAL\_SSO\_HIDE\_LOGIN** = <True when SAML is enabled, false otherwise>
  - c.  **MFA\_DEFAULT\_FACTOR** = OTP
  - d.  **SAML\_ENABLED** = <true if SAML should be enabled, false if otherwise>
  - e.  **SAML\_PROVIDER\_URL** = <OneLogin instance SAML url if SAML is enabled>
  - f.  **SAML\_PROVIDER\_DOMAIN** = <OneLogin domain instance name is SAML is enabled>
  - g.  **SAML\_SERVICE\_DOMAIN** = <SOLABS QM domain from the SOLABS app URL configured in OneLogin is SAML is enabled>
  - h.  **SAML\_ASK\_WHEN\_PASSWORD\_REQUIRED** = <Usually true when SAML is enabled, false otherwise>
  - i.  **HOSTED\_UPDATE\_PASSWORD** = true
  - j.  **ONELOGIN\_SUBDOMAIN** = <subdomain of the OneLogin instance>

- k.  **ONELOGIN\_CLIENT\_ID**= <Client ID the OneLogin related SOLABS QM App>
- l.  **ONELOGIN\_CLIENT\_SECRET**= <Client Secret of the OneLogin SOLABS QM App>
- m.  **ONELOGIN\_REGION**= <Region of the OneLogin instance>
- n.  **ONELOGIN\_HOSTED\_FEATURE** = true

7.  Save and close the “configuration.properties” file.

**If SAML is enabled, proceed with the following steps, if not, jump to step 19.**

- 8.  Open the “setup/config/war/WEB-INF/” folder and copy the file “context.xml” and “picketlink.xml” to a temporary folder. Make sure it's the updated folder to avoid using outdated files (the updated folder will always be accessible from the “Solabs QM Setup” repository).
- 9.  Open “picketlink.xml” in Notepad
- 10.  Replace all the instances of @SAML\_PROVIDER\_URL@, @SAML\_PROVIDER\_DOMAIN@ and @SAML\_SERVICE\_DOMAIN@ using their respective values from the previous configuration. There could be multiple instances of each of them.
- 11.  Replace @REMOTE\_URL@ with the same remote URL as set in ACS (Consumer) URL Validator (ex: https://qualification.solabs.com/qualif1/)
- 12.  Change the Value of the KeyStorePass with the keystore password of the Solabs QMx instance
- 13.  Go to the “server\server\solabs-qm\deploy\solabs-qm.ear\ “ folder and open “solabs-qm.war” with 7-zip.
- 14.  Add both the modified “picketlink.xml” and “context.xml” file to the “solabs-qm.war\WEB-INF\” folder.
- 15.  Close the “solabs-qm.war” file currently opened in 7-zip.
- 16.  Copy the certificate file for the OneLogin instance (sent by the customer) in the “setup” folder.
- 17.  Open a command prompt inside the “setup” folder.
- 18.  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-certificate -file "SAML.cert" -keystore  
"../server/server/solabs-qm/conf/SolabsQM.keystore" -storepass KEYSTORE_PASS
```

- 19.  Open the folder “server\server\solabs-qm\lib”
- 20.  Open “onelogin-java-sdk-1.6.0.jar” with 7-zip
- 21.  From there, extract the “onelogin.sdk.properties” in the work directory.
- 22.  Edit the extracted file “onelogin.sdk.properties” file.
- 23.  Set onelogin.sdk.client\_id as the value of **ONELOGIN\_CLIENT\_ID** from “configuration.properties”
- 24.  Set onelogin.sdk.client\_secret as the value of **ONELOGIN\_CLIENT\_SECRET**
- 25.  Set onelogin.sdk.region as the value of **ONELOGIN\_REGION**
- 26.  Save and close the “onelogin.sdk.properties”
- 27.  Drag the file back in the “onelogin-java-sdk-1.6.0.jar” currently opened in 7-zip.
- 28.  Close the “onelogin-java-sdk-1.6.0.jar” currently opened in 7-zip.
- 29.  Open the folder “server\server\solabs-qm\conf”
- 30.  Edit the file “solabs-qm-configuration.properties”
- 31.  Set **solabs.qm.sso.external.enabled** to true
- 32.  Set **solabs.qm.sso.external.hideLogin** as the value of **EXTERNAL\_SSO\_HIDE\_LOGIN**
- 33.  Set **solabs.qm.sso.mfa.defaultFactor** to OTP
- 34.  Set **solabs.qm.sso.saml.askPasswordRequired** as the true of **SAML\_ASK\_WHEN\_PASSWORD\_REQUIRED**
- 35.  Set **solabs.qm.sso.hosted.updatePassword** to true

36.  Set **solabs.qm.sso.onelogin.subdomain** as the value of **ONELOGIN\_SUBDOMAIN**
37.  Set **solabs.qm.sso.onelogin.hosted** to true
38.  Save and close the “solabs-qm-configuration.properties” file.
39.  As a precautionary measure, delete the <INSTALL\_DIR>/server/server/solabs-qm/tmp directory.
40.  As a precautionary measure, delete the <INSTALL\_DIR>/server/server/solabs-qm/work directory.
41.  Start the SOLABS QM instance service.

### 3. COMMENTS

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