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Windows L1 RD Service Installation Manual

Revision History

Reference	Date	Author	Modification
1.0	27th Jun, 2023	RD Integration and Support	Initial Document

TABLE OF CONTENTS

Purpose of document

To provide pre-requisites to run L1 biometric device on Windows System.

Pre-Requisite for running RD Service

Prerequisite for S/W
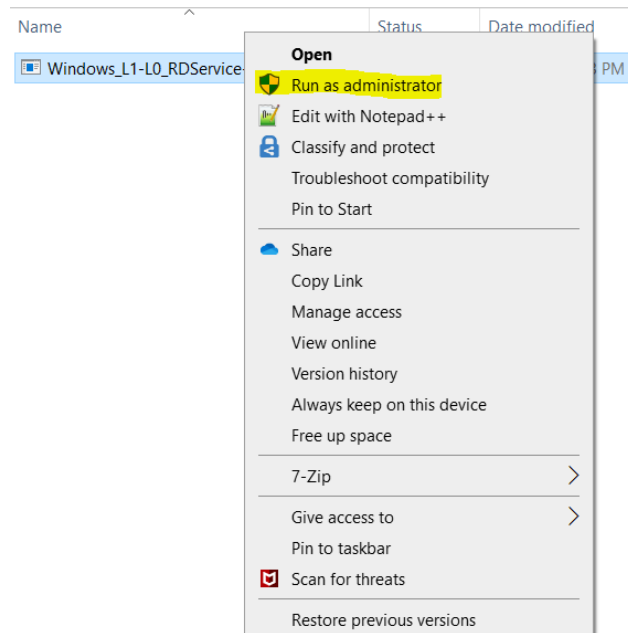
OS: Windows 10

Web Browser: Chrome (Minimum version 60), Mozilla Firefox (Minimum version v56.0), and Edge

Prerequisites for H/W

MSO 1300 E3 RD Sensor

RD Service Installation Steps

1. Right click on **Windows_L1-L0_RDService** installer and run the same as an administrator, which will install both L0 & L1 RD service on user's system.

2. After Installation below folder will be created for both L1 and L0 RD service in C:\ drive. **IdemiaL1RdService** folder will be created for L1 RD service & **MorphoRdServiceL0Soft** will be created for L0 RD service (Earlier MorphoRdServiceL0Soft folder was as it is getting created for L0 RD Service so there is no change in the same).

> This PC > Windows (C:)

Name	Date modified	Type	Size
IdemiaL1RdService	6/29/2023 5:34 PM	File folder	
MorphoRdServiceL0Soft	5/26/2023 6:25 PM	File folder	

3. In case of using proxy server for L1 devices, please go to
C:\IdemiaL1RdService\RDService folder and set **IsEnabled** to **true** in
mc_configuration.xml, enter proxy server IP/URL & port and save the Configuration file.

```xml
<?xml version="1.0" encoding="utf-8"?>
<Configuration>
  <TimeOut>10</TimeOut>
  <LogLevel>1</LogLevel>              <!--1(default) | 2(Error) | 3(Debug)-->
  <LoginServer>Prod</LoginServer> <!--Test | PreProd | Prod | Stage-->
  <ProdServerDetail>
    <Url>prod.rdms.co.in</Url>
    <Port>443</Port>
  </ProdServerDetail>
  <PreProdServerDetail>
    <Url>preprod.rdms.co.in</Url>
    <Port>443</Port>
  </PreProdServerDetail>
  <StageServerDetail>
    <Url>web.smartchiponline.com</Url>
    <Port>2232</Port>
  </StageServerDetail>
  <TestServerDetail>
    <Url>web.smartchiponline.com</Url> <!--testing.rdms.co.in web.smartchiponline.com-->
    <Port>2243</Port> <!--2222/443-->
  </TestServerDetail>
  <ProxyDetails>
    <IsEnabled>false</IsEnabled>  <!--true | false -->
    <Url>192.168.1.147</Url>
    <Port>808</Port>
  </ProxyDetails>
  <SubDomainName>uidai-ms-device-api</SubDomainName> <!--uidai-ms-device-api | uidai-ms-device-api-l1 -->
  <GuiMode>
    <Mode>Init</Mode>  <!-- Init | Gui -->
  </GuiMode>
  <Version>1.0.1</Version>
  <APIRetryAttempts>3</APIRetryAttempts>  <!--1 to 5 default is 3 -->
  <NotifyCycleAttempts>3</NotifyCycleAttempts>  <!--1 to 10 default is 3 -->
  <APIRetryDelay>3</APIRetryDelay>  <!--1 to 10 sec default is 3 -->
  <NotifyCycleDelay>30</NotifyCycleDelay>  <!--1 to 60 sec default is 30 -->
  <LogSize>5</LogSize>              <!-- 0 to 20MB default is 5MB-->
  <EnableLog>0</EnableLog>  <!-- 0(Disable) | 1(Enable)-->
</Configuration>
```

4. In case it is required to test L1 RD service into pre-production environment then please follow below steps to configure RD service for pre-production environment.
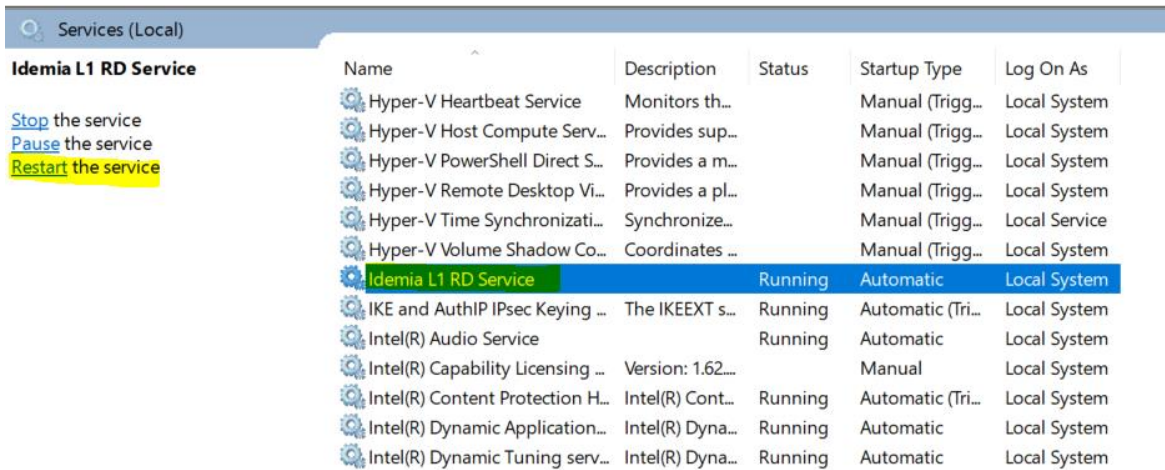
> ➢ Go to **C:\IdemiaL1RdService\RDService**, open **mc_configuration.xml** and set **LoginServer** to **pre-prod** like below and save the configuration (By default login sever is set to **Prod** only).

```xml
<?xml version="1.0" encoding="utf-8"?>
<Configuration>
  <TimeOut>10</TimeOut>
  <LogLevel>1</LogLevel>              <!--1(default) | 2(Error) | 3(Debug)-->
  <LoginServer>PreProd</LoginServer> <!--Test | PreProd | Prod | Stage-->
  <ProdServerDetail>
    <Url>prod.rdms.co.in</Url>
    <Port>443</Port>
  </ProdServerDetail>
  <PreProdServerDetail>
    <Url>preprod.rdms.co.in</Url>
    <Port>443</Port>
  </PreProdServerDetail>
  <StageServerDetail>
    <Url>web.smartchiponline.com</Url>
    <Port>2232</Port>
  </StageServerDetail>
  <TestServerDetail>
    <Url>web.smartchiponline.com</Url> <!--testing.rdms.co.in web.smartchiponline.com-->
    <Port>2243</Port> <!--2222/443-->
  </TestServerDetail>
  <ProxyDetails>
    <IsEnabled>false</IsEnabled>  <!--true | false -->
    <Url>192.168.1.147</Url>
    <Port>808</Port>
  </ProxyDetails>
  <SubDomainName>uidai-ms-device-api</SubDomainName> <!--uidai-ms-device-api | uidai-ms-device-api-l1 -->
  <GuiMode>
    <Mode>Init</Mode>  <!-- Init | Gui -->
  </GuiMode>
  <Version>1.0.1</Version>
  <APIRetryAttempts>3</APIRetryAttempts>  <!--1 to 5 default is 3 -->
  <NotifyCycleAttempts>3</NotifyCycleAttempts>  <!--1 to 10 default is 3 -->
  <APIRetryDelay>3</APIRetryDelay>  <!--1 to 10 sec default is 3 -->
  <NotifyCycleDelay>30</NotifyCycleDelay>  <!--1 to 60 sec default is 30 -->
  <LogSize>5</LogSize>              <!-- 0 to 20MB default is 5MB-->
  <EnableLog>0</EnableLog>  <!-- 0(Disable) | 1(Enable)-->
</Configuration>
```

➢ Again in **C:\IdemiaL1RdService\RDService** folder, open **rd_configuration.xml** and set **RDDetail** to **PreProd** like below and save the configuration ((By default login sever is set to **Prod** only).

```xml
<?xml version="1.0" encoding="utf-8"?>
<Configuration>
    <LogLevel>1</LogLevel>  <!--1(default) | 2(Error) | 3(Debug)-->
  <RDDetail>PreProd</RDDetail> <!--Prod |PreProd| Test | Stage-->
  <IsSSLEnabled>0</IsSSLEnabled> <!--0 for HTTP | 1 for HTTPS localhost | 2 for HTTPS 127.0.0.0 -->
  <RDInterfacePath>0</RDInterfacePath>   <!--0 for getDeviceInfo, 1 for info-->
  <PortBegin>11100</PortBegin>
  <PortEnd>11120</PortEnd>
  <LogSize>5</LogSize>         <!-- 0 to 20MB default is 5MB-->
  <EnableLog>0</EnableLog>  <!-- 0(disable) | 1(Enable)-->
</Configuration>
```

5. After making changes in configuration, please re-start **Idemia L1 RD Service** from services.

MSO Device Driver Installation

1. Now connect whitelisted **Idemia L1 finger print scanner** to the system. After connecting the device to the system the device driver will be installed.

2. If device driver is not installed properly then please follow below steps:

   A) Right click on **This PC** and click on **manage**
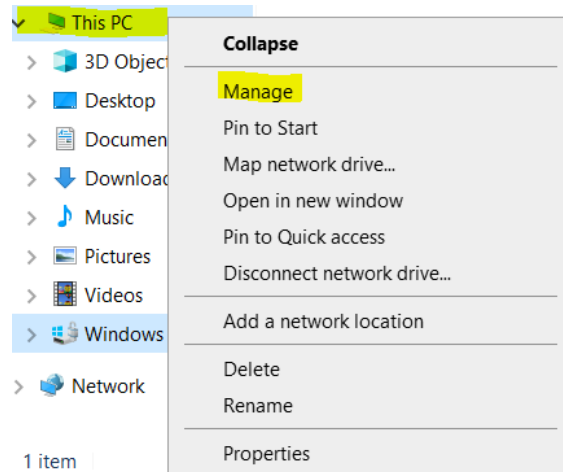
B) Now click on Device Manager and check MorphoSmart MSO1300E3 driver under Universal Serial Bus Controllers .If the driver is present there with yellow warning sign(⚠) like below
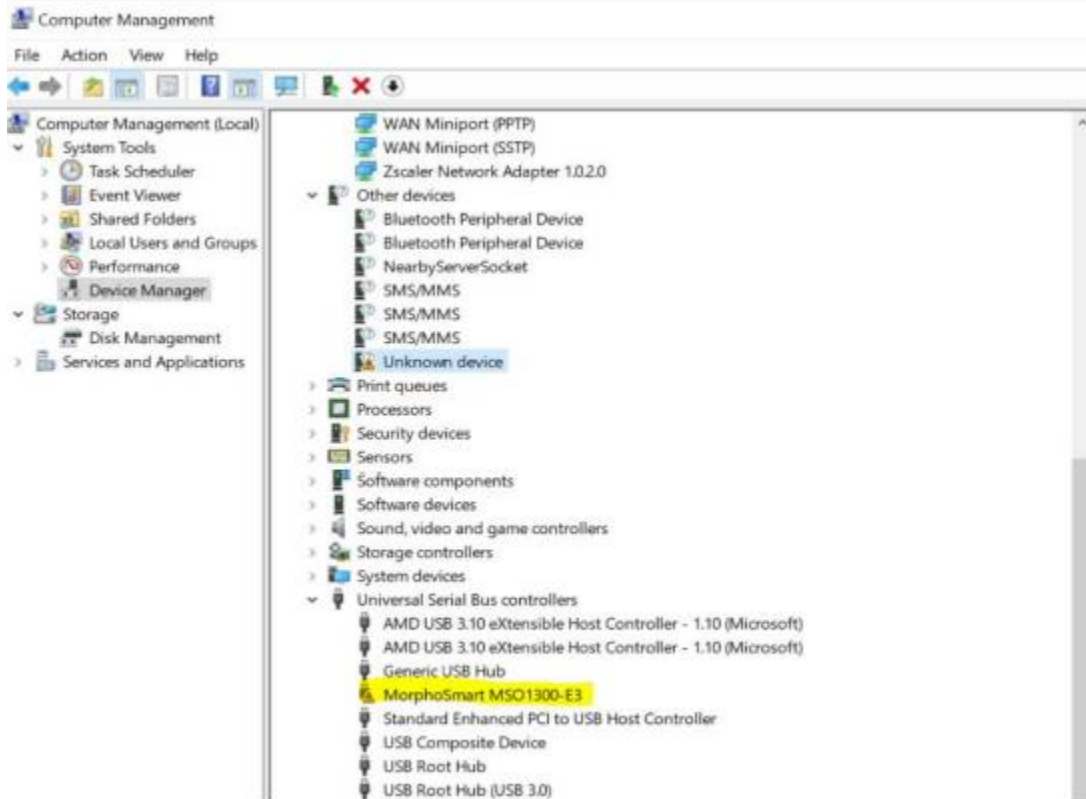
C) Then Right click on the device driver icon->click on Update Driver- > "Browse My Computer for Driver Software" -> Let me Pick from a list of device drivers on my computer->Have Disk->Browse- >go to "C:\Morpho\MorphoSmart USB Driver" and select "usbBioDriver.inf" in Driver search location and click on Next for completion of manual driver installation and restart the machine for driver installation finalization
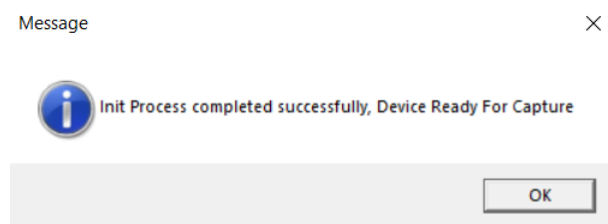
After restart, it must be shown as below in the Universal Serial Bus Controllers in device manager:

3. After successful device driver installation and proper device connection to the system Device registration will start and user will get below popup on screen.
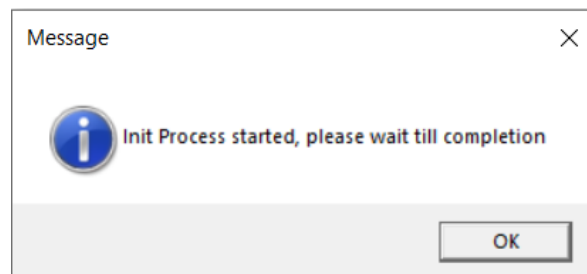
4. User will get below popup on screen once **INIT Process** will be completed successfully.
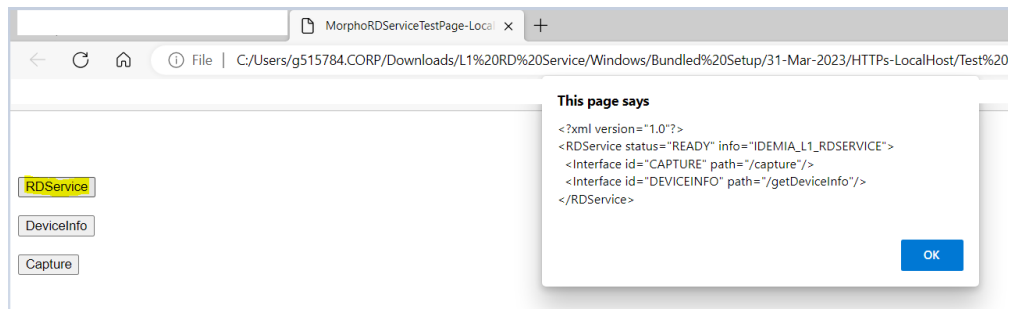

Finger print Device will be in ready state once user gets above popup message.

RD SERVICE STATUS CHECK AND BIOMETRIC CAPTURE

User can check RD service status, device info and biometric capture through shared RD test page:

1. **RD Service Status:** Click on RD Service to check the status of RD Service as same should be in Ready state.

2. **DeviceInfo:** Click on deviceInfo to get the device detail.

3. **Capture:** Click on Capture to capture biometric of user. Once biometric will be captured, RD service capture response will be generated in XML form.
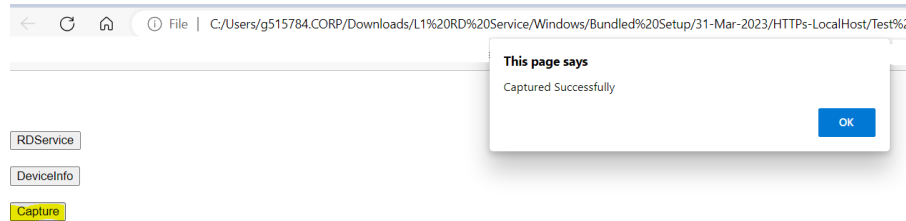
After successful biometric capture from RD test page user can check biometric capture from client application to perform the transaction in pre-production environment.