

# MANTRA MFS110 REGISTERED DEVICE SERVICE - MANUAL WINDOWS

MANTRA SOFTECH INDIA PVT LTD  
Version 1.1.0

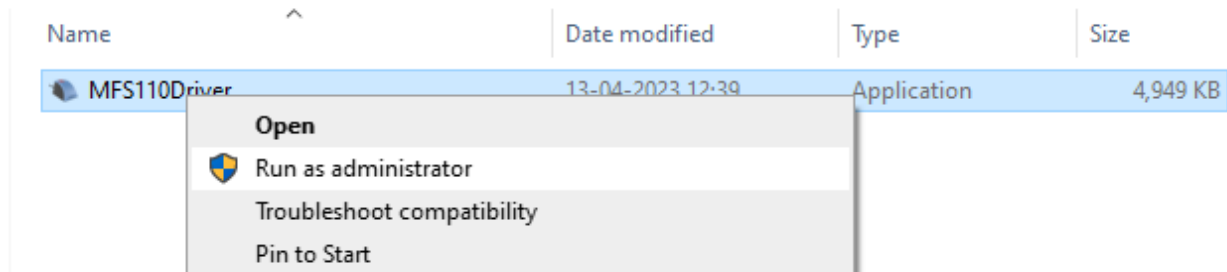
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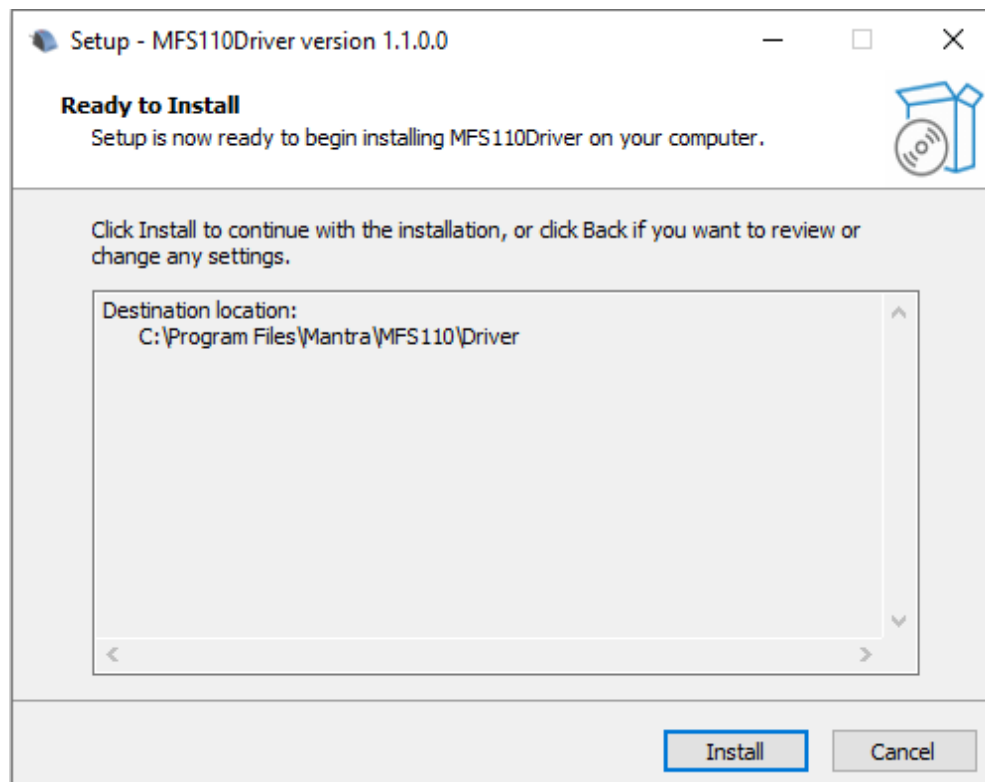
## 1. Mantra MFS110 Driver Setup Installation.

### 1. Start installation:

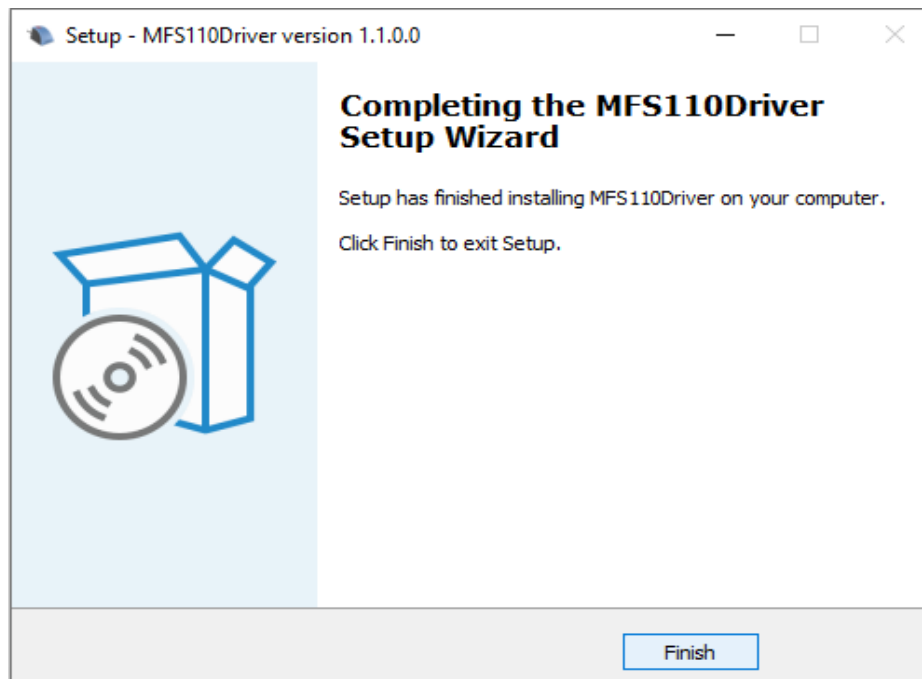
Right click on setup file and select “Run as administrator”.



### 2. Welcome Wizard and Destination Location:



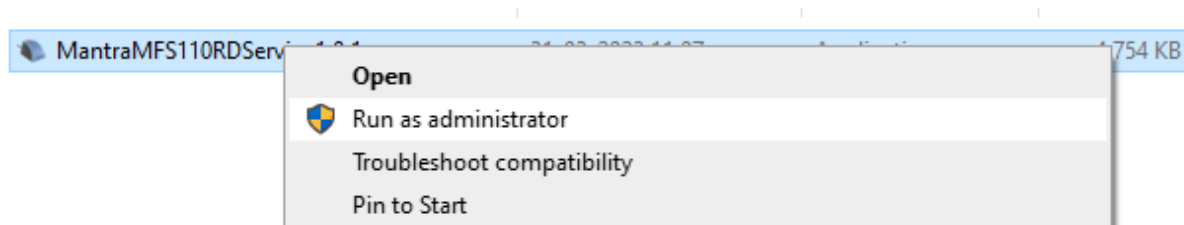
### 3. Finish Driver Installation



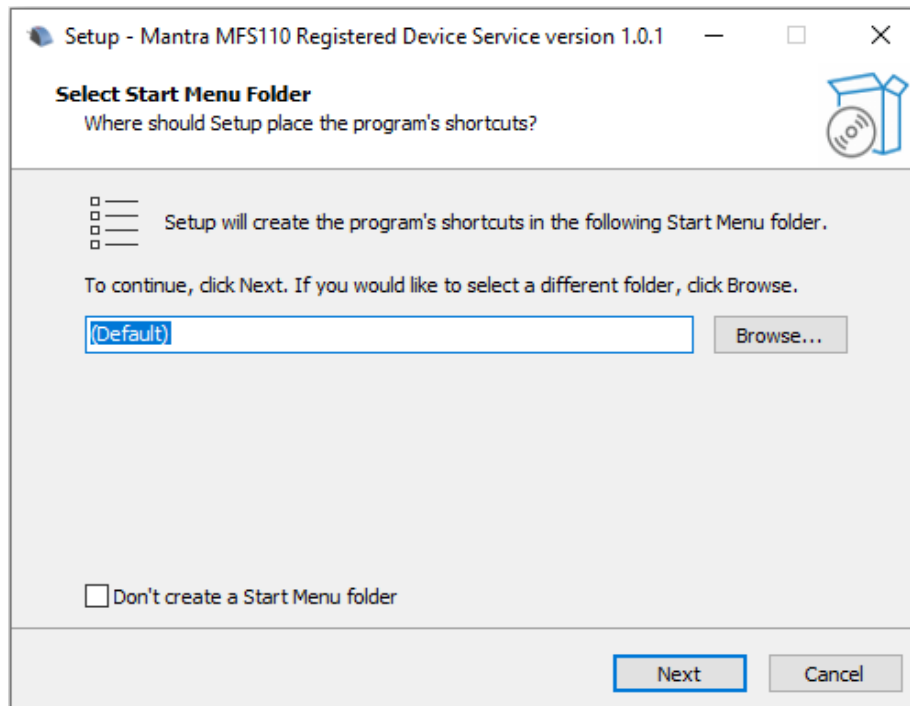
## 2. Mantra MFS110 RD Service Installation.

### 1. Start installation:

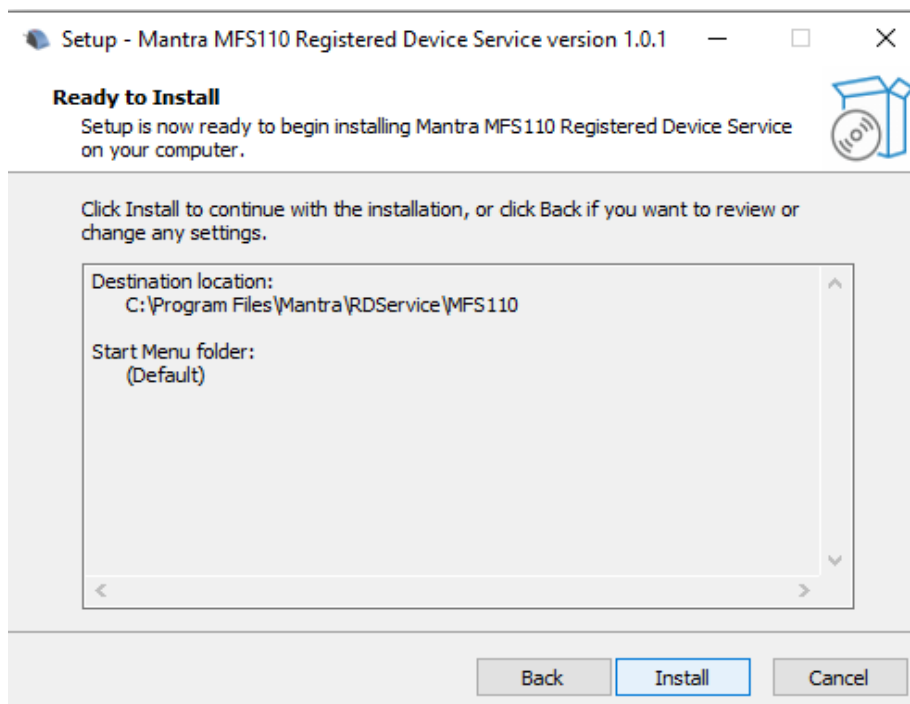
- Right click on setup file and select **"Run as administrator"**.



## 2. Welcome Wizard:



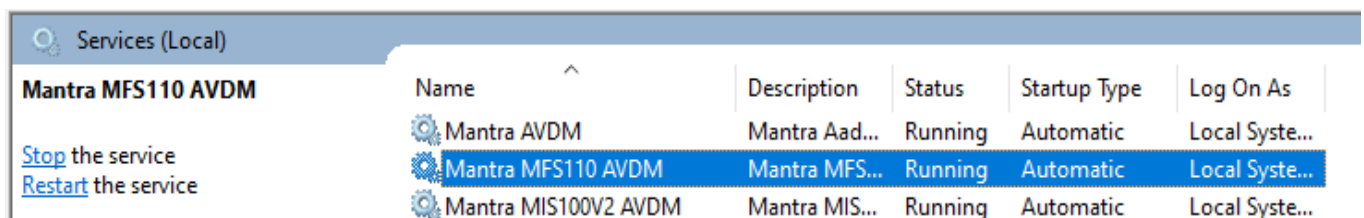
## 3. Destination Location:



#### 4. Finish RD Service Installation:



- After installation of RD Service, it can be found under Services form “Control Panel\All Control Panel Items\Administrative Tools”.



### 3. MFS110 L1 Registered Device

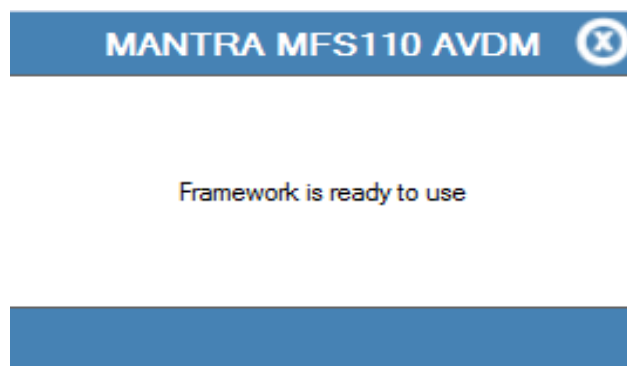
- When RD Service will detect device then it will convert it into registered device and user will be notified with success response by RD Service.
- After that you need to unplug and plug your device.



- If your device is not listed at Mantra Management Server than user will be notified with below message so in this case you need to contact with our Service Team at <http://servico.mantratecapp.com> Or **079-49068000 / 079- 69268000**.

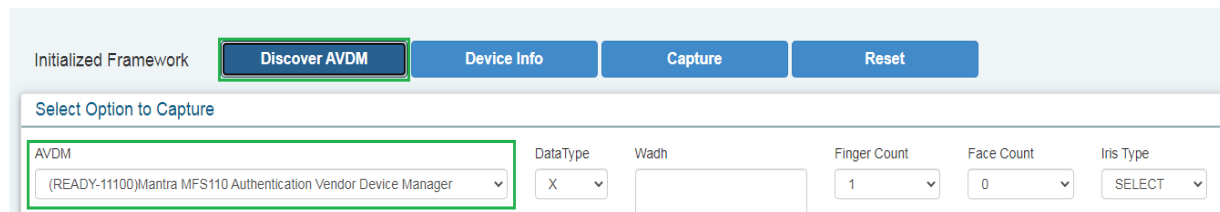


- Once registered MFS110 device will be plugged to the system, RD service will detect it automatically and validate it on Mantra's Management Server.
- Once validation completed then it will generate below popup for user information.



## 4. RD Service Test Application

- 1) **HTTP** : <http://rdtest.aadhaardevice.com/>
  - 2) **HTTPS** : <https://rdtest.aadhaardevice.com/> (Test in https URL if your website is in https)
- By running RD Service Test application, user can detect Mantra RD Services installed in the system.



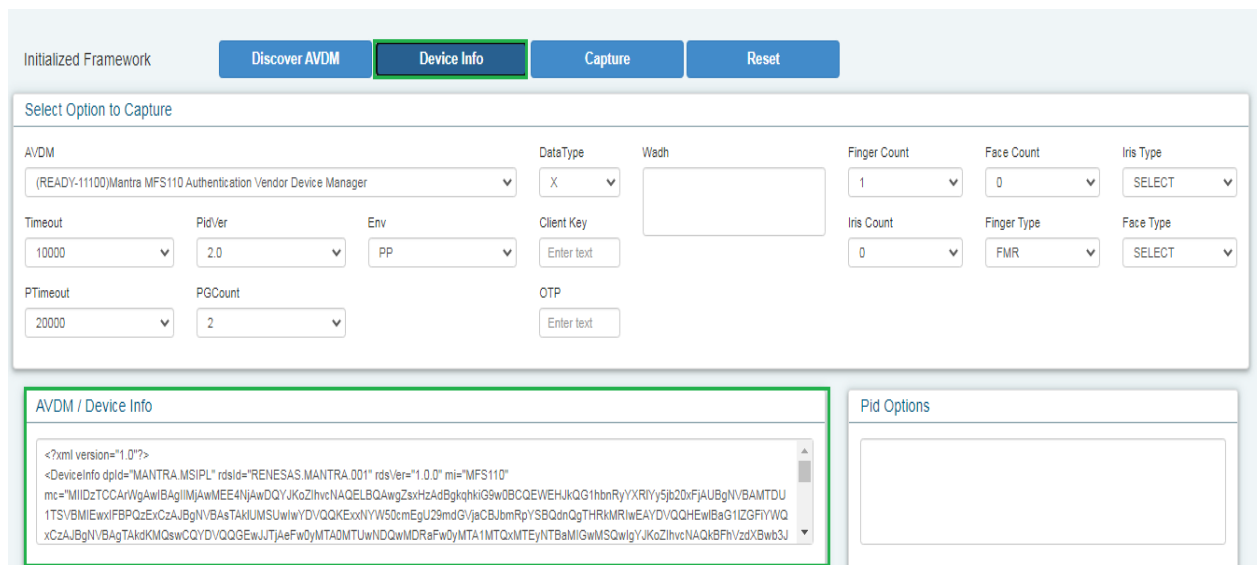
Initialized Framework **Discover AVDM** Device Info Capture Reset

Select Option to Capture

AVDM  
(READY-11100)Mantra MFS110 Authentication Vendor Device Manager

DataType: X Wadh: Finger Count: 1 Face Count: 0 Iris Type: SELECT

- User can get Device Information which is connected to its system.



Initialized Framework **Discover AVDM** **Device Info** Capture Reset

Select Option to Capture

AVDM  
(READY-11100)Mantra MFS110 Authentication Vendor Device Manager

Timeout: 10000 Pid/Ver: 2.0 Env: PP Client Key: Enter text Iris Count: 0 Finger Type: FMR Face Type: SELECT

PTimeout: 20000 PGCount: 2 OTP: Enter text

AVDM / Device Info

```
<?xml version="1.0"?>
<DeviceInfo dpld="MANTRA.MSIPL" rdsId="RENESAS.MANTRA.001" rdsVer="1.0.0" mi="MFS110"
mc="MIIDzTCCArWgAwIBAgIJAwMEE4NjAwDQYJKoZIhvcNAQELBQAwZSxHZAAdBgkqhkiG9w0BCQEWEHJkQG1hbnRyYXRIYy5jb20xZjAUBgNVBAMTDU
1TSVBMIEwxIFBPOzExCzAUBG9NBAsTAkIUMSUwYDQVQKExdYYW50cmEgU29mdG9jaCBjb2R5SBQdnQgTHRMRlweAYDVQQHEwBaG1IZGFYVWQ
xCzAUBG9NBGAgTAdKM0swCQYDVQQGEwJtJTAeFw0yMTA0MTUwNDQwMDRaFw0yMTA1MTQxMTEyNTBaMIGwMSQwlgYJKoZIhvcNAQkBFHvzdXBwb3Jz
```

Pid Options



- By calling capture function of RD service, user can capture biometric data.

Initialized Framework

Discover AVDM

Device Info

Capture

Reset

Select Option to Capture

AVDM  

(READY:11100)Mantra MFS110 Authentication Vendor Device Manager

Timeout  
10000

PidVer  
2.0

Env  
PP

Data Type  
X

Wadh

Finger Count  
1

Face Count  
0

Iris Type  
SELECT

Client Key  
Enter text

Iris Count  
0

Finger Type  
FMR

Face Type  
SELECT

PTimeout  
20000

PGCount  
2

OTP  
Enter text

AVDM / Device Info

<?xml version="1.0"?>  
<DeviceInfo dpld="MANTRA.MSIPL" rdsId="RENESAS.MANTRA.001" rdsVer="1.0.0" mi="MFS110"  
tts="MIIDzTCCARWgAwIBAgIJMAwMEE4NjAwDQYJKoZIhvcNAQELBQAwwZswHszAdBgqhkiG9w0BCQEWEHJkQG1ibnRYXRlYSJjb2xvZmFJAUBgNVBAIMTUU1TSVBMIEWwiFBPQzExCzAxBgNVBASATAKUMSUwlwYDVQQKEzoNYYW50cmEgU29mdGVjcCBjbmlrPSBQbnQgTHRKRMRiEAJDVQKHlwBGA1IGFnYlYWxzCAJBglNBAGTAkdKMqSwcQYDVQGEWJJTAEfWyMTAOMTUwNDQwMDRAFWoyMTA1MTQzMTEyNTBAMiGMSWsqwigYJKoZIhvcNAQBGFHVzdXBwb3JkMBIwLg==

Pid Options

<?xml version="1.0"?><PidOptions ver="1.0"><Opts fCount="1" fType="0" iCount="0" pCount="0" pgCount="2" format="0" pidVer="2.0" timeout="10000" pTimeout="20000" posh="UNKNOWN" env="PP"/><CustomOptions><Param name="mantrakey" value="" /></CustomOptions></PidOptions>

Pid Data

<?xml version="1.0"?>  
<PidData>  
<Resp errCode="0" errInfo="Success." fCount="1" fType="0" nmPoints="42" qScore="100" />  
<DeviceInfo dpld="MANTRA.MSIPL" rdsId="RENESAS.MANTRA.001" rdsVer="1.0.0" mi="MFS110"  
tts="MIIDzTCCARWgAwIBAgIJMAwMEE4NjAwDQYJKoZIhvcNAQELBQAwwZswHszAdBgqhkiG9w0BCQEWEHJkQG1ibnRYXRlYSJjb2xvZmFJAUBgNVBAIMTUU1TSVBMIEWwiFBPQzExCzAxBgNVBASATAKUMSUwlwYDVQQKEzoNYYW50cmEgU29mdGVjcCBjbmlrPSBQbnQgTHRKRMRiEAJDVQKHlwBGA1IGFnYlYWxzCAJBglNBAGTAkdKMqSwcQYDVQGEWJJTAEfWyMTAOMTUwNDQwMDRAFWoyMTA1MTQzMTEyNTBAMiGMSWsqwigYJKoZIhvcNAQBGFHVzdXBwb3JkMBIwLg==

## Mantra Management Server

- It is necessary that RD service installed in client machine must interact with Mantra's Management Server.
- For that, client machine must access the domain <https://aadhaardevice.com> and it's all sub-domains.

## 5. Proxy Setting

### Proxy in Network (**if proxy is required to connect internet**)

- After installation of RD Service below Application – **Config Mantra MFS110 RDSservice** shortcut will be available on 'desktop' as well as in 'All Programs'.



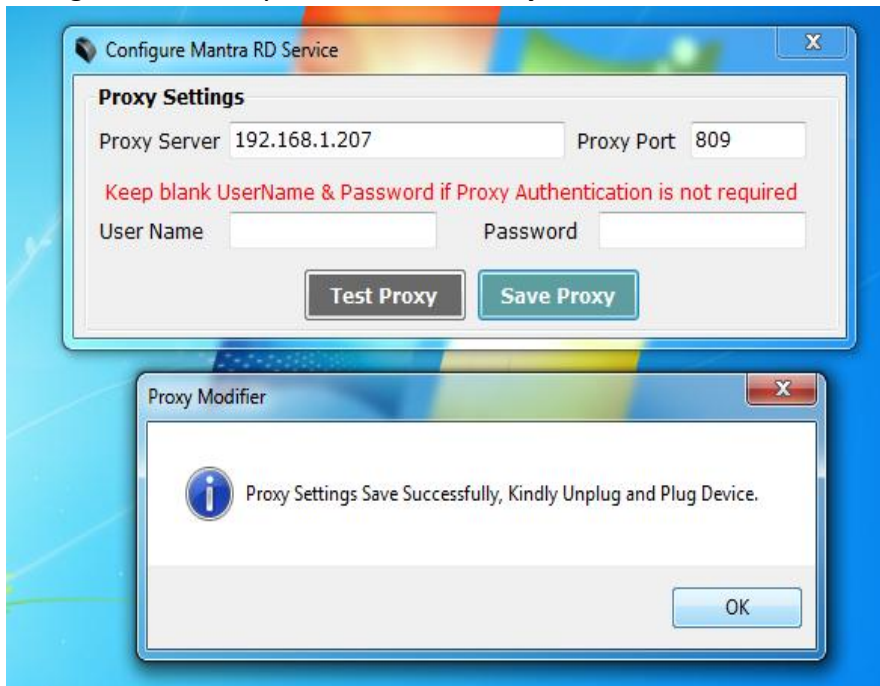
**Enter Proxy Server**                      **Enter Proxy Port**

A screenshot of the 'Configure Mantra RD Service' dialog box. The title bar says 'Configure Mantra RD Service'. The main section is titled 'Proxy Settings'. It contains two input fields: 'Proxy Server' with the placeholder text 'Porxy Server' and 'Proxy Port' with the placeholder text 'Port'. Below these fields is a red text instruction: 'Keep blank UserName & Password if Proxy Authentication is not required'. There are two more input fields: 'User Name' and 'Password'. At the bottom are two buttons: 'Test Proxy' and 'Save Proxy'. Two lines with arrows point from the text 'Enter Proxy Server' and 'Enter Proxy Port' to the respective input fields.

- Enter Username and Password if Proxy Authentication is required otherwise keep as Blank.



- On “OK” Message of Test Proxy, click on **Save Proxy**.



- You need to **“Unplug and Plug”** device so RD Service will take that proxy setting to communicate “Mantra Management Server”.

## 6. Browser Configuration for RD Service

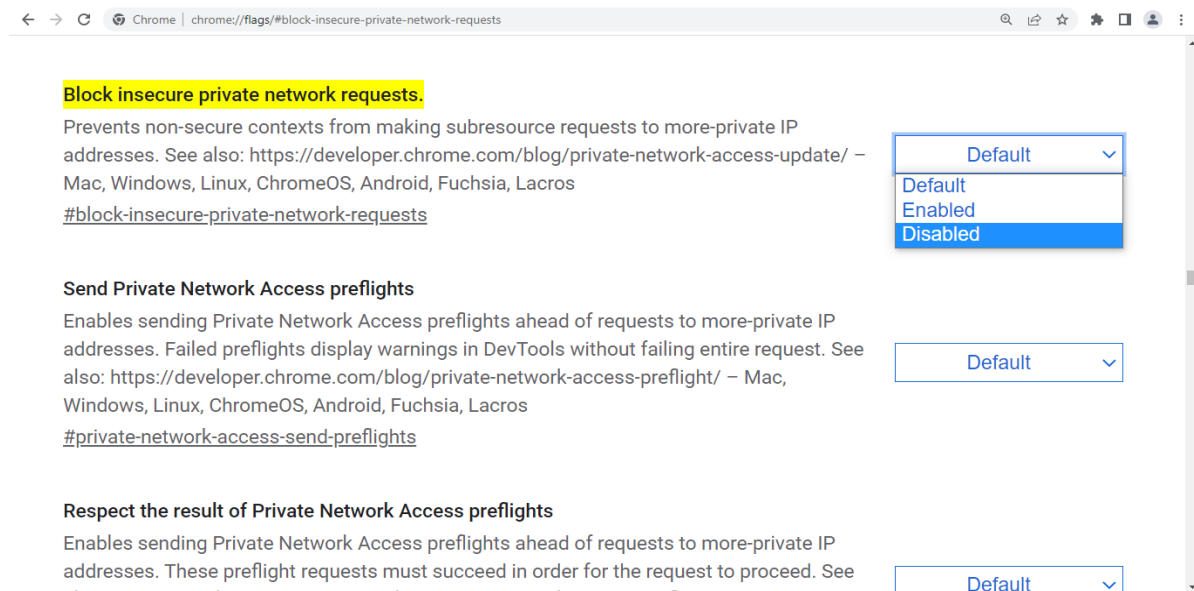
There is no any configuration require in Chrome or Firefox if web application is running on **HTTPS**.

Below browser configuration for HTTP request only.

### 1) Chrome (For HTTP Request only)

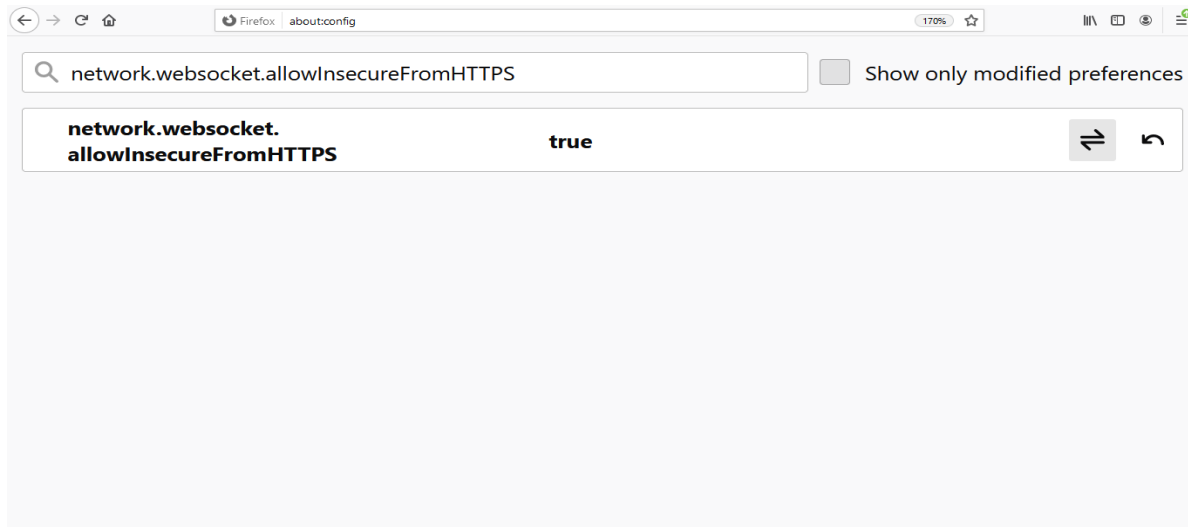
*If Web Application which is calling RD Service API is running on HTTP then configure your chrome browser as below.*

Browse below URL to change value to 'Disable' for 'Block insecure private network requests'  
<chrome://flags/#block-insecure-private-network-requests>



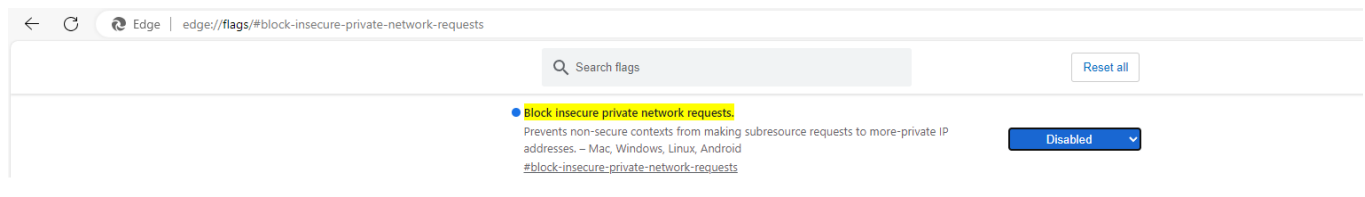
## 2) Firefox (For HTTP Request only)

Browse below URL to change value to **TRUE** for '**network.websocket.allowInsecureFromHTTPS**'  
**about:config**

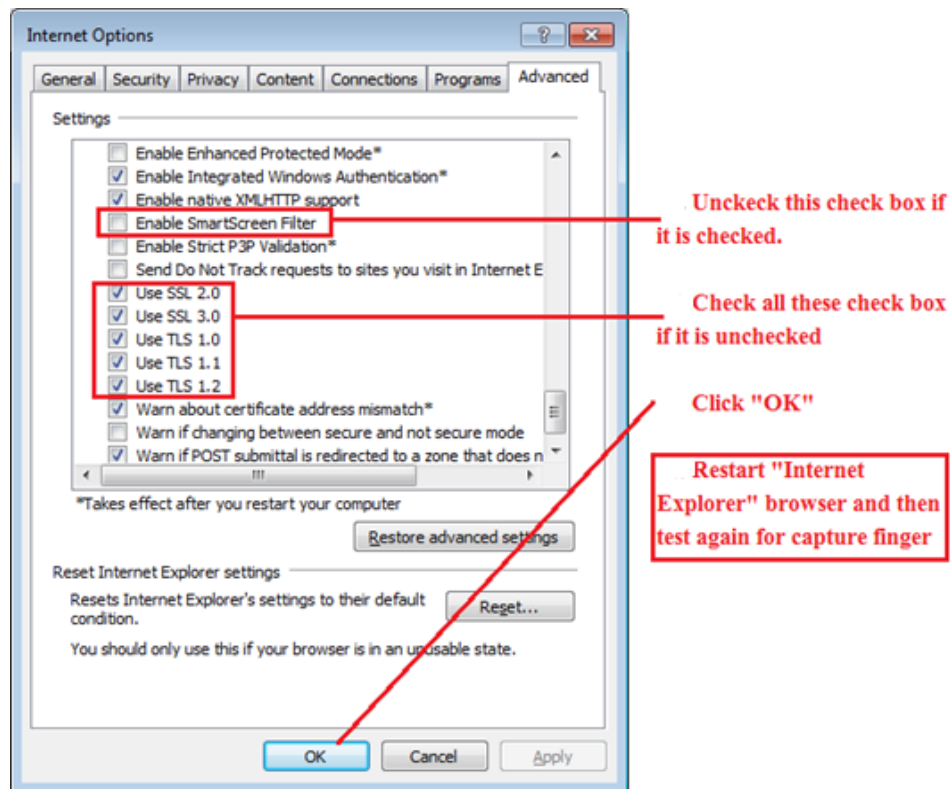


## 3) Microsoft Edge (For HTTP Request only)

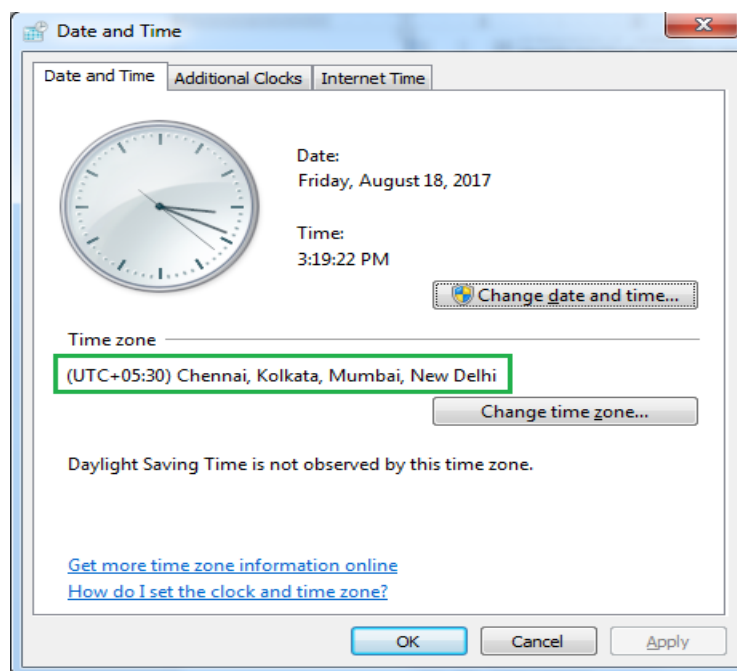
Browse below URL to change value to 'Disable' for 'Block insecure private network requests'  
<edge://flags/#block-insecure-private-network-requests>







## 7. Configure System Time Zone



## **8. Device Registration on Management Server**

To list device pre-production or production, send serial number of device to

[servico@mantratec.com](mailto:servico@mantratec.com)

079-49068000 or 079-69268000

## **9. Technical Support**

Mantra Support Team

[servico@mantratec.com](mailto:servico@mantratec.com)

079-49068000 or 079-69268000

This information can be shared with your clients or end user for any kind of technical support.

## **10. Development Support**

Mantra Support Team

[devsupport@mantratec.com](mailto:devsupport@mantratec.com)

This email id for Developer only regarding integration of RD Service in Windows or Android Application.