

MANTRA MFS100/MFS110/MIS100V2 REGISTERED DEVICE INSTALLATION GUIDE

Version 1.0

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1. Download Drivers

Download installers from <https://tnreginet.gov.in/portal> or <https://mantratec.com/Download/User>

1. Login to <https://tnreginet.gov.in/portal> and select Presenceless Registration

The screenshot shows the TNREGINET portal interface. The header includes the Government of Tamil Nadu Registration Department logo and navigation links. The main content area is titled 'Presenceless Registration' and contains a 'Create Document' form. The form has two main sections: 'Nature of Document' with a dropdown menu and 'Document Description' with a text area. Below the form, there is a section titled 'Presence-less Registration' explaining the initiative. This is followed by 'Pre-requisites for Registration' which lists three requirements: Anytime Registration, Good Internet Connectivity, and Hardware Requirements. A table lists the hardware requirements with columns for SR No., Device, Model, and Supporting files for device integration. The table lists four items: Mantra (MFS100/ MFS500), Mantra (MFS110), Mantra IRIS Sensor (MIS100V2), and Webcam. Each item has a 'Click Here' link. Finally, there is a note about the availability of Presence-less Registration for Sale Deed registration.

**GOVERNMENT OF TAMIL NADU
REGISTRATION DEPARTMENT**

The information provided Online is updated and no physical visit is required for the Services provided Online.

Instant down

Home Registration eServices Circulars Draft Listing Guideline Value Sitemap More

Home > Registration > Document Registration > **Presenceless Registration**

Create Document All fields marked with *

Nature of Document*
- Select -

Document Description

Presence-less Registration

The Department has introduced Presence-less Registration to simplify and digitize the registration process for citizens. This initiative allows sellers to complete the registration of documents without visiting the Sub-Registrar Office (SRO).

Pre-requisites for Registration

Before initiating the presence-less registration process, citizens are required to ensure the following:

- Anytime Registration: The document can be submitted by the citizen anytime (24x7x365 days) through the online portal.
- Good Internet Connectivity: A stable and high-speed internet connection is essential for a smooth registration process.
- Hardware Requirements: To complete the photo capture, biometric authentication process, the following devices are required:

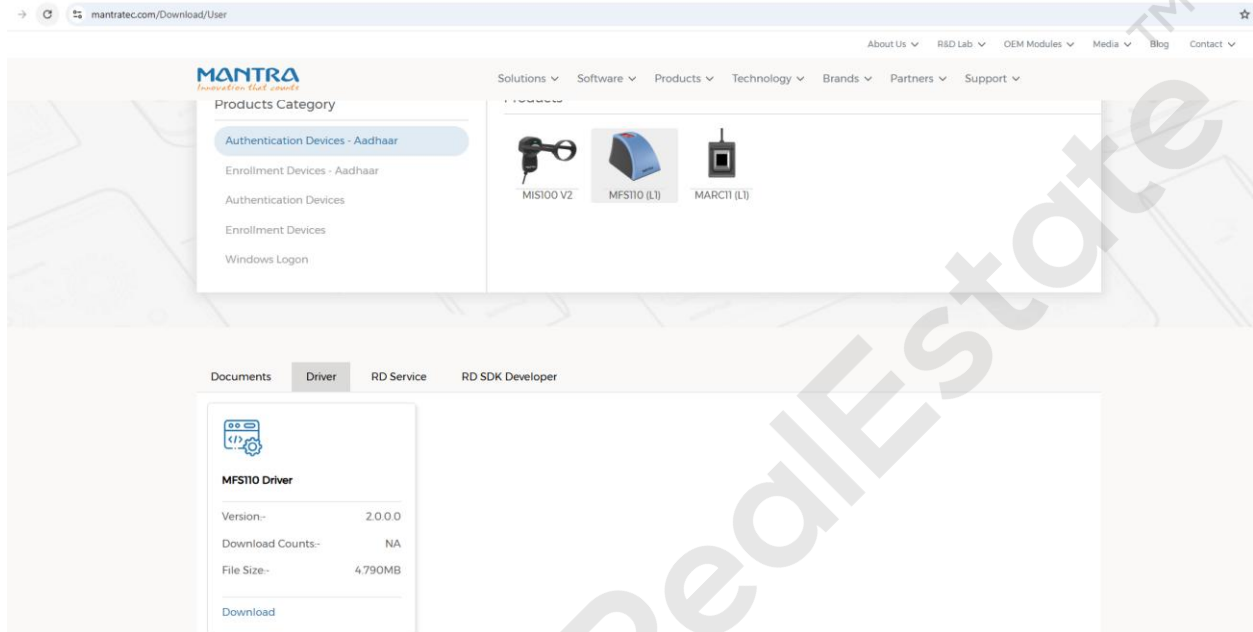
SR No.	Device	Model	Supporting files for device integration
1	Mantra	MFS100/ MFS500	Click Here
2	Mantra	MFS110	Click Here
3	Mantra IRIS Sensor	MIS100V2	Click Here
4	Webcam		Click Here

d. In case of Sale Deed registration, the Presence-less Registration is enabled only for

- First Sale of Plot.
- First Sale of Flat.
- Sale Deed executed by Government.

2. Directly download it from official Mantra website

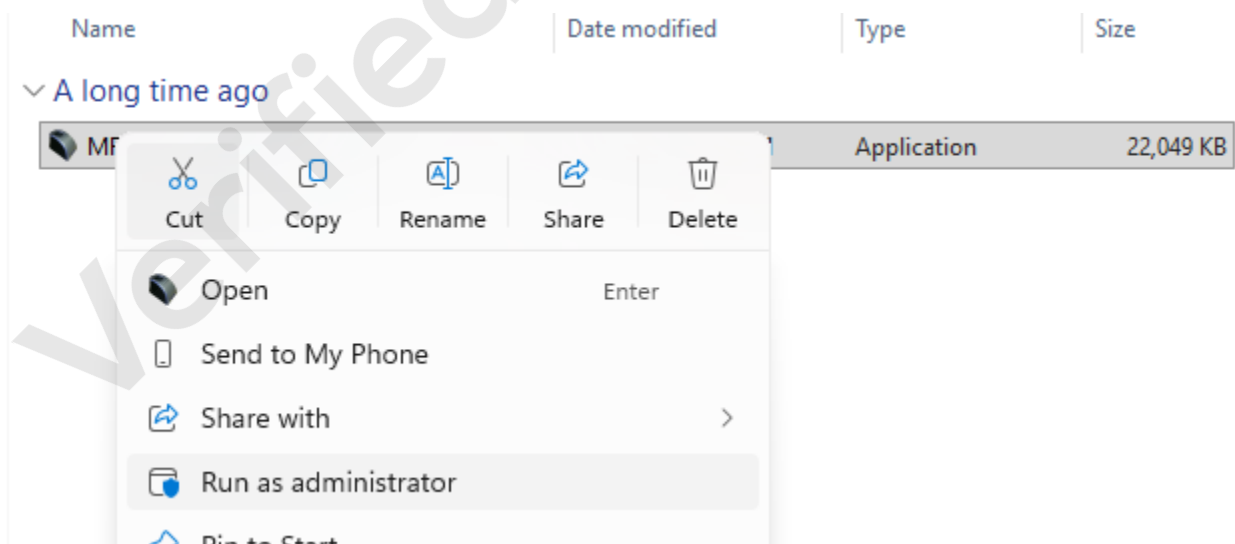
<https://mantratec.com/Download/User>



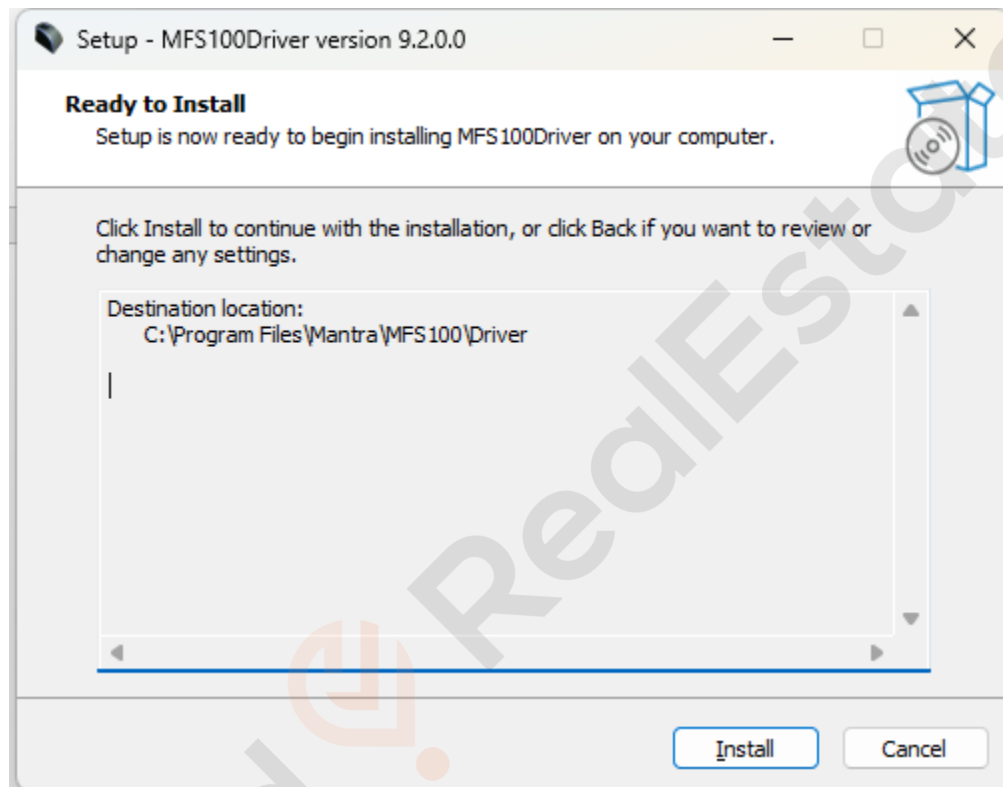
2. Mantra MFS100 Driver Setup Installation.

1. Start installation:

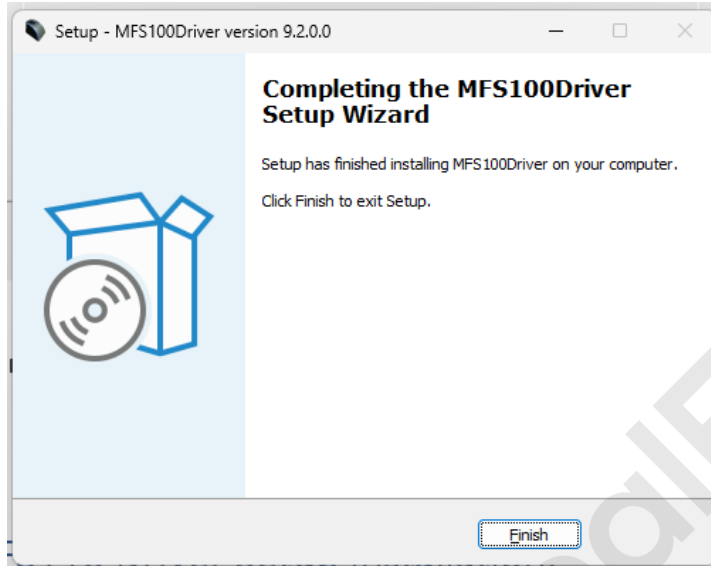
Right click on setup file and select **“Run as administrator”**.



2. Welcome Wizard and Destination Location:



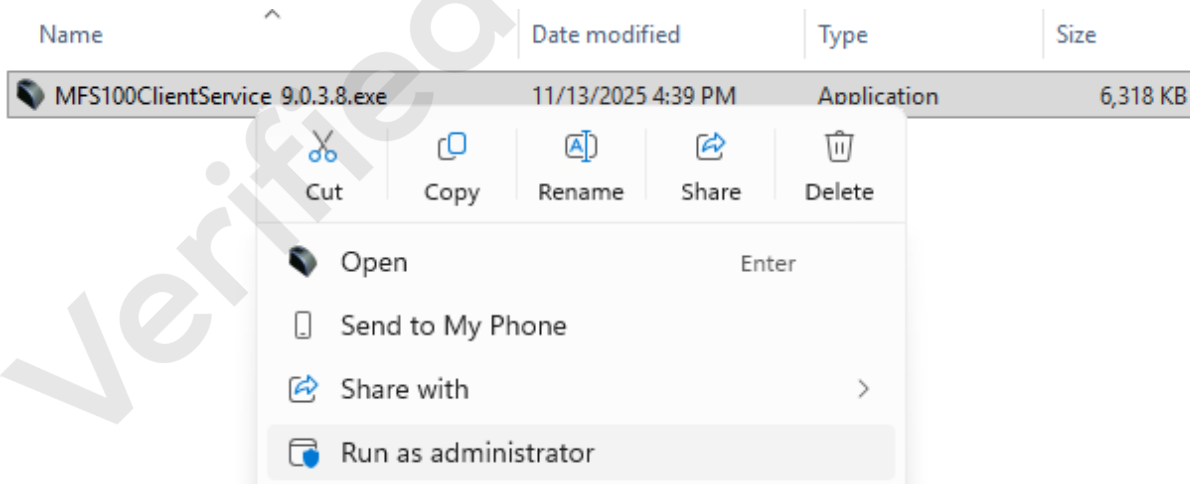
3. Finish Driver Installation:



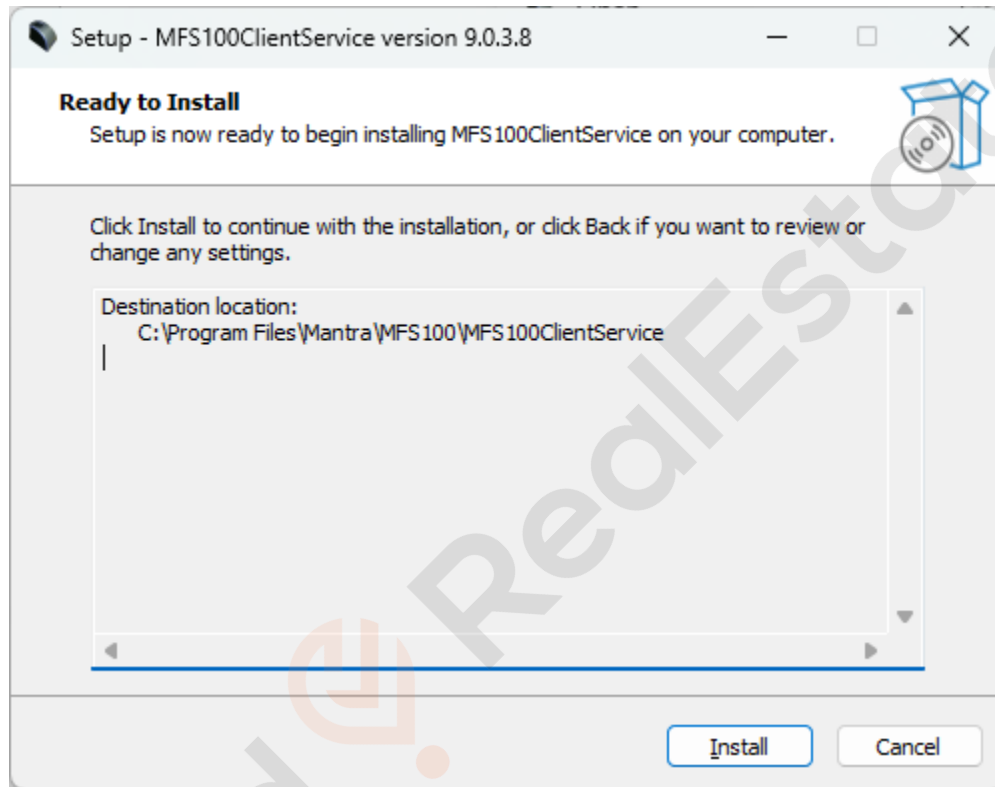
3. Mantra MFS100 Client Service Driver Installation.

4. Start installation:

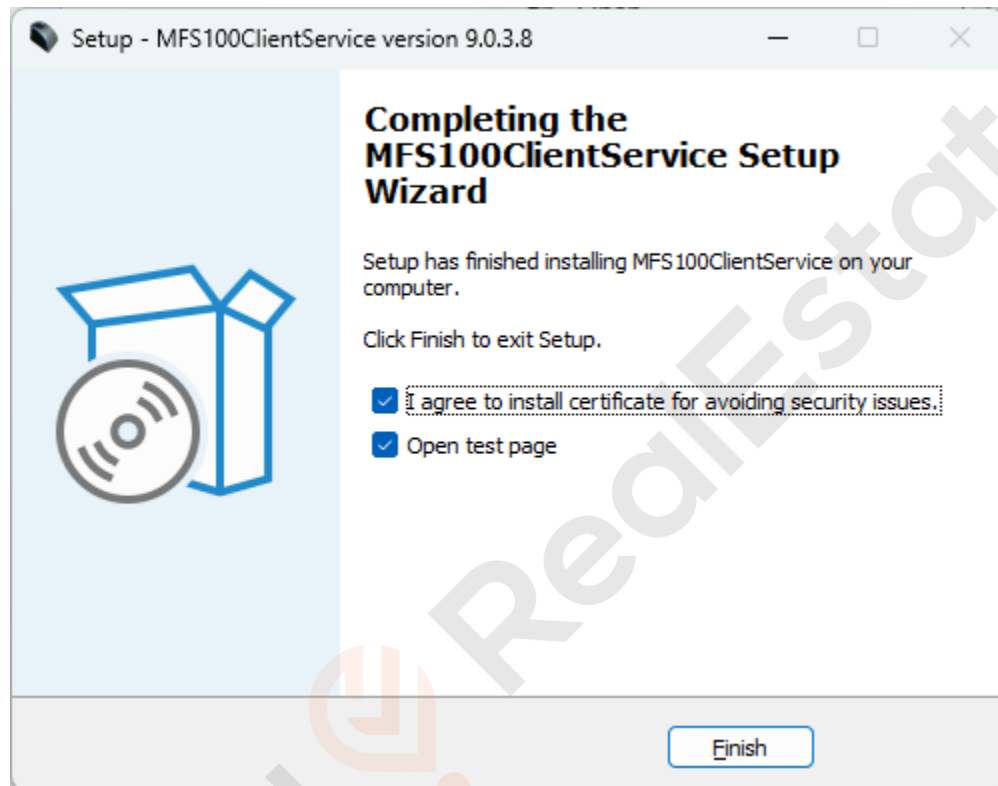
Right click on setup file and select **“Run as administrator”**.



5. Welcome Wizard and Destination Location:



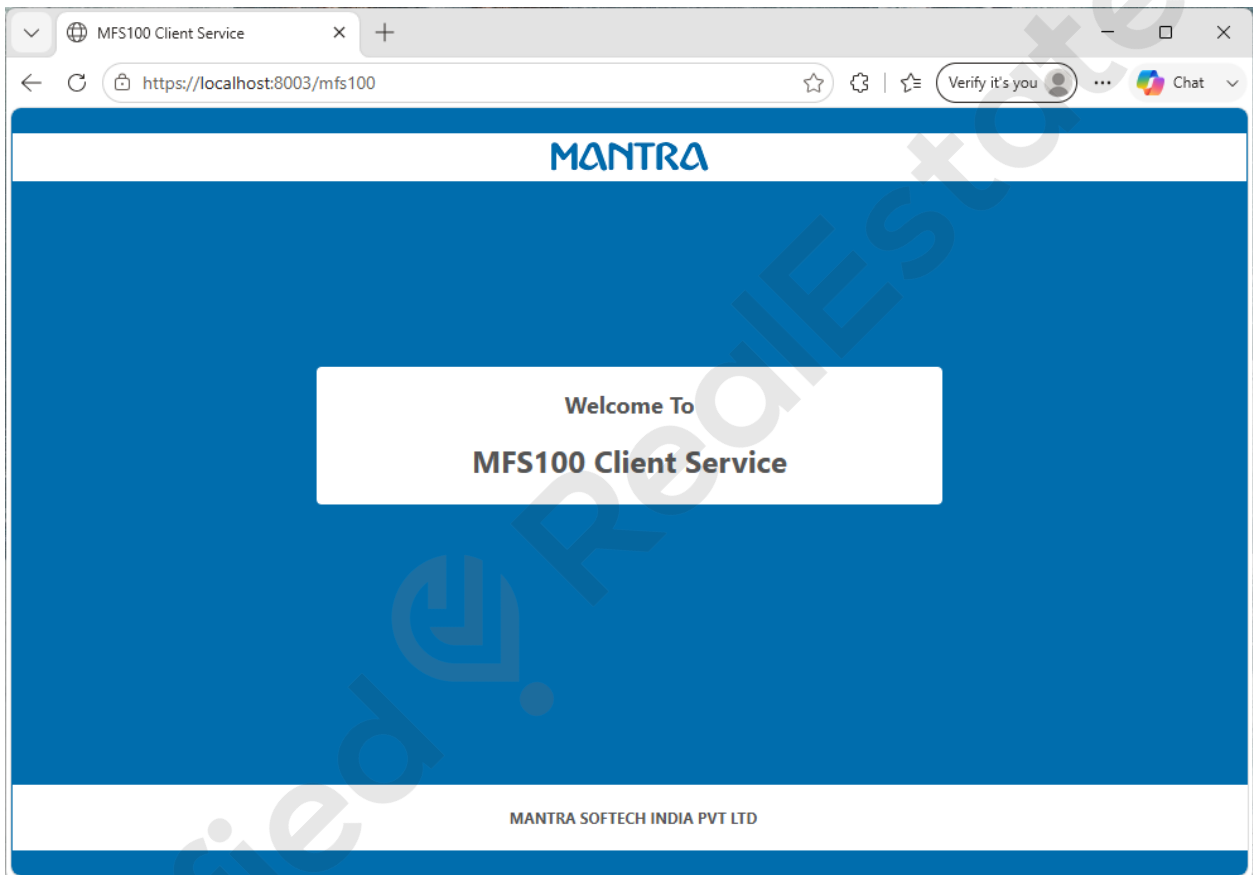
6. Finish Driver Installation:



7. Client Service Status:

Check the following url to verify the Mantra MFS 100 Client service status after installation

<https://localhost:8003/mfs100>



4. Mantra MFS110 Driver Setup Installation.

a. Start installation:

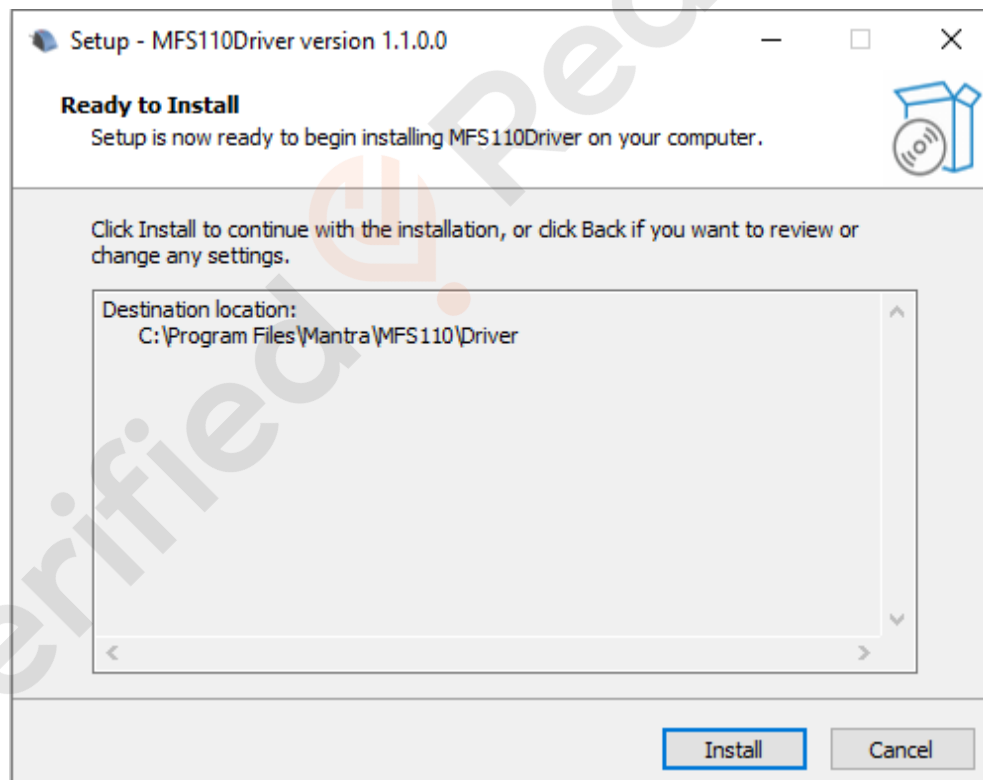
Right click on setup file and select “Run as administrator”.

Name	Date modified	Type	Size
MFS110Driver	13-04-2023 12:39	Application	4,949 KB

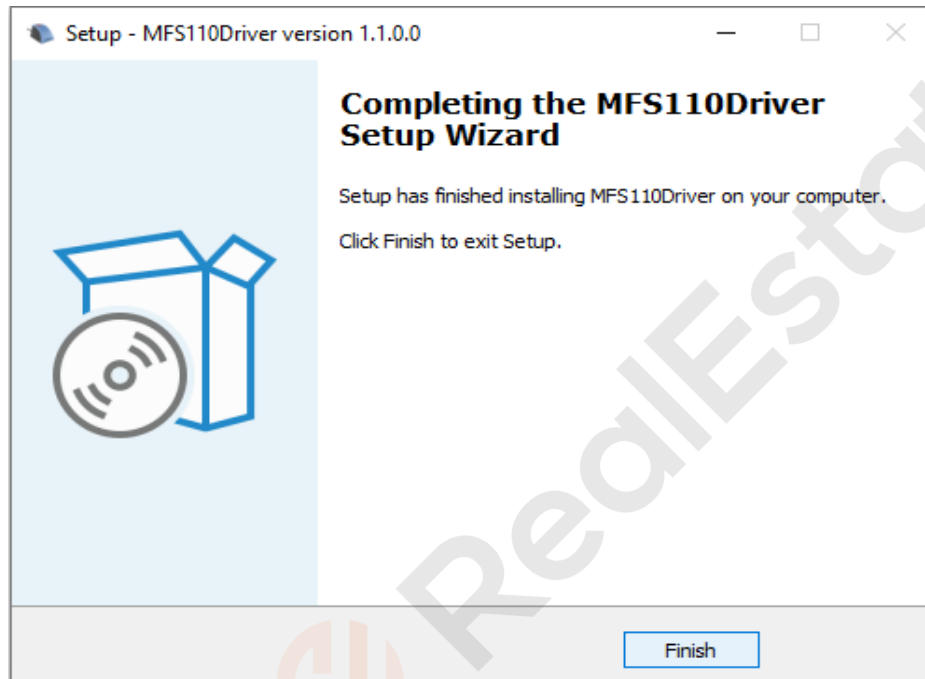
Open

- Run as administrator
- Troubleshoot compatibility
- Pin to Start

b. Welcome Wizard and Destination Location:



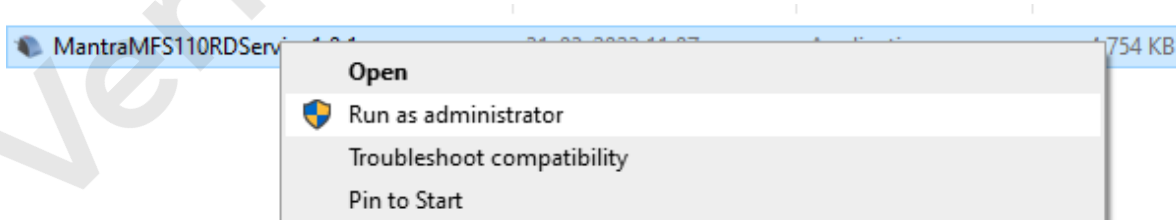
c. Finish Driver Installation



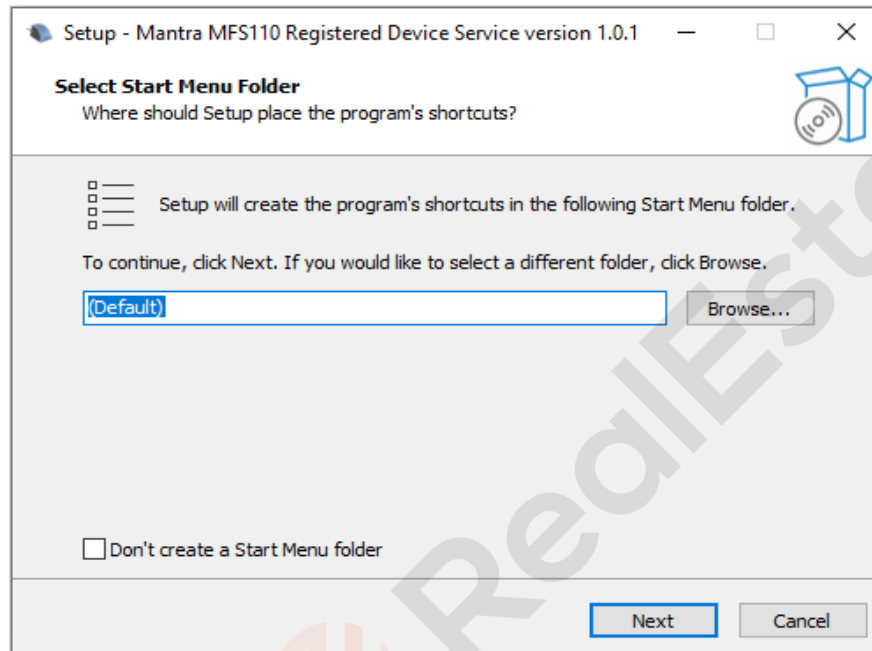
5. Mantra MFS110 RD Service Installation.

a. Welcome Wizard

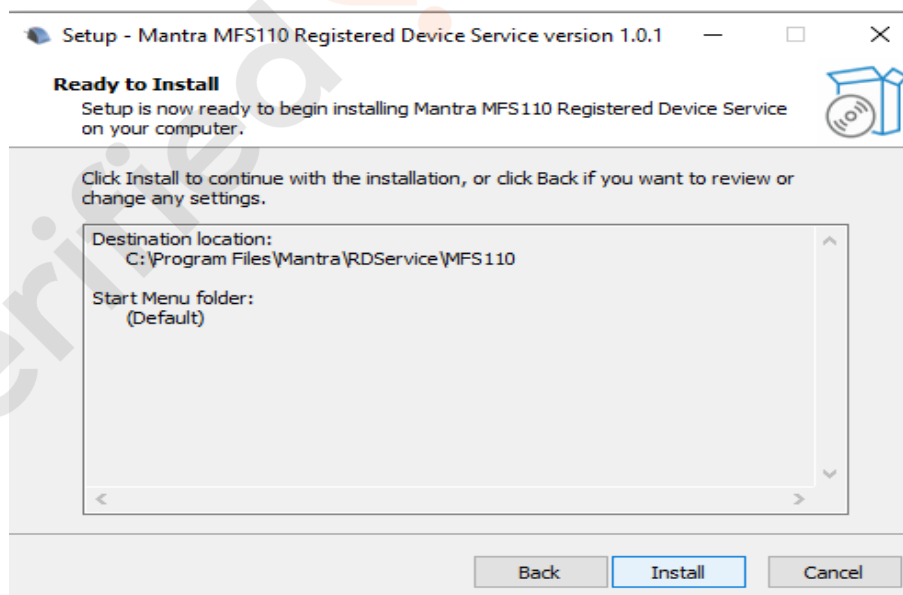
- Right click on setup file and select "Run as administrator".



a. Welcome Wizard:



b. Destination Location:



c. Finish RD Service Installation:

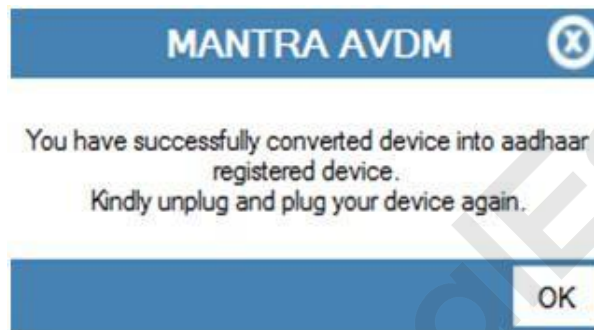


- After installation of RD Service, it can be found under Services form “Control Panel\All Control Panel Items\Administrative Tools”.

Services (Local)					
Mantra MFS110 AVDM					
Stop the service Restart the service					
Name	Description	Status	Startup Type	Log On As	
Mantra AVDM	Mantra Aad...	Running	Automatic	Local Syste...	
Mantra MFS110 AVDM	Mantra MFS...	Running	Automatic	Local Syste...	
Mantra MIS100V2 AVDM	Mantra MIS...	Running	Automatic	Local Syste...	

6. MFS110 L1 Registered Device

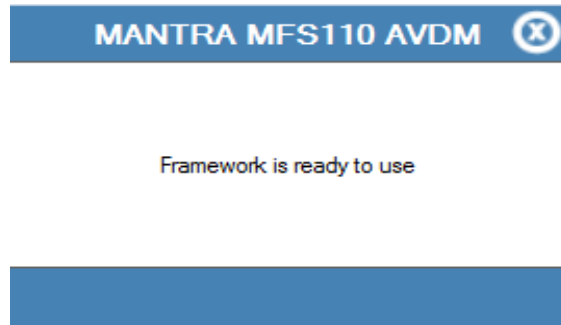
- When RD Service will detect device then it will convert it into registered device and user will be notified with success response by RD Service.
- After that you need to unplug and plug your device.



- 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.

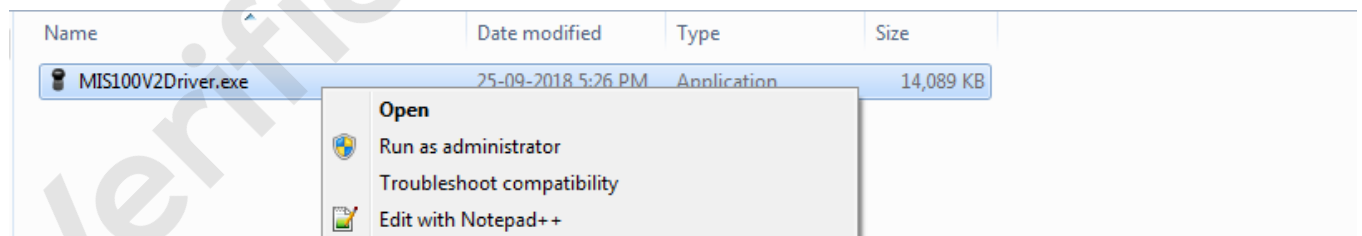


MANTRA MIS100V2 REGISTERED DEVICE INSTALLATION

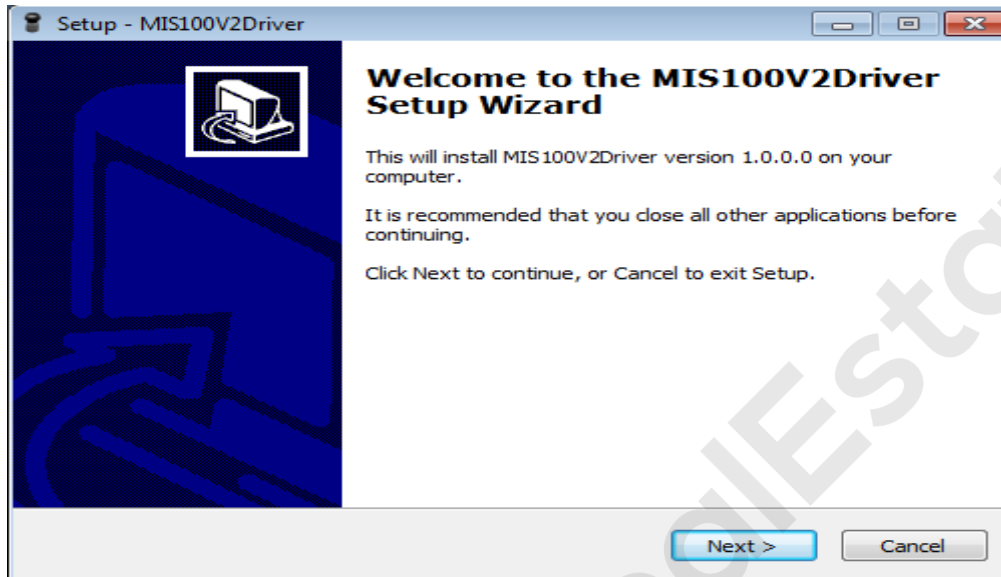
7. Mantra MIS100V2 Driver Setup Installation.

a. Start installation:

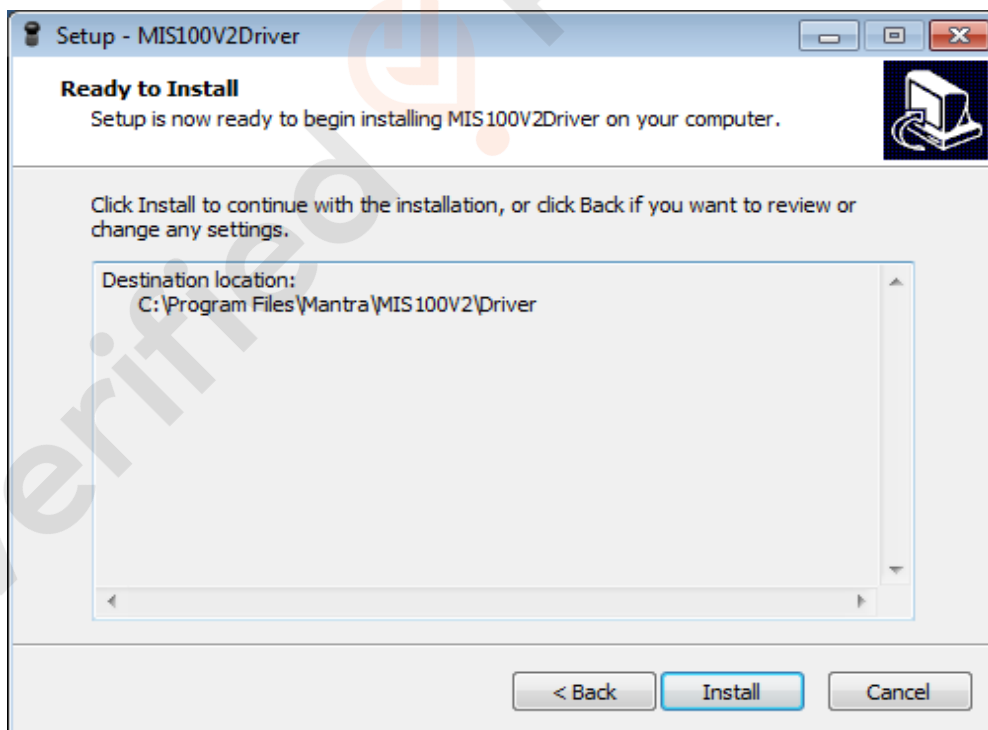
Right click on setup file and select “**Run as administrator**”.



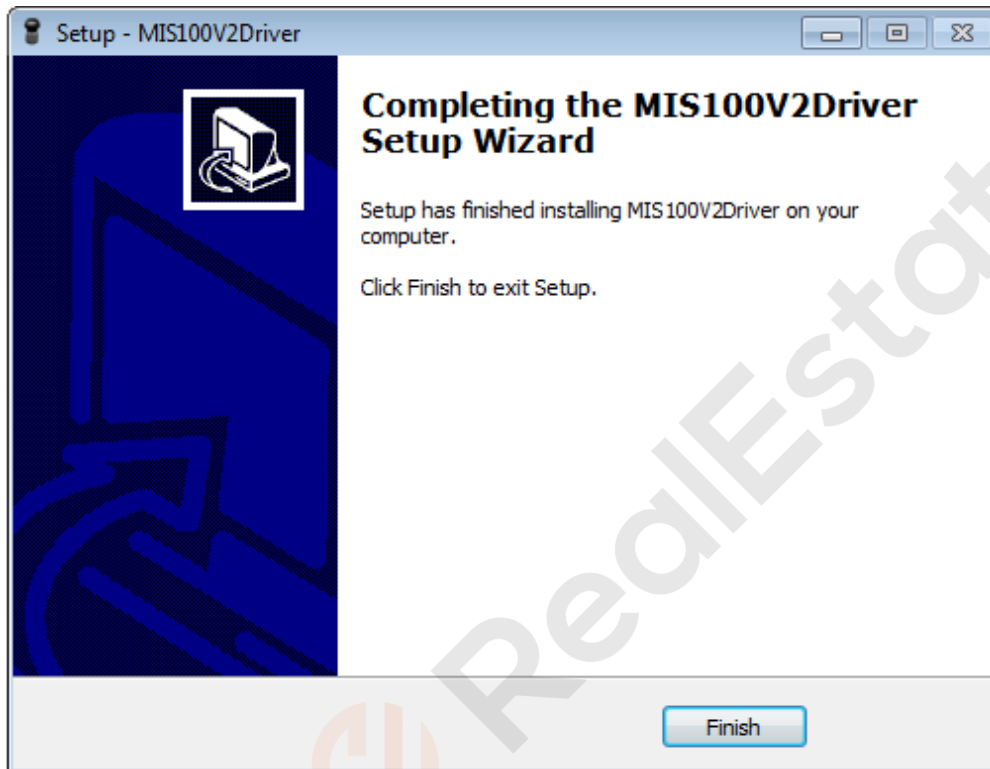
b. Welcome Wizard:



c. Destination Location:



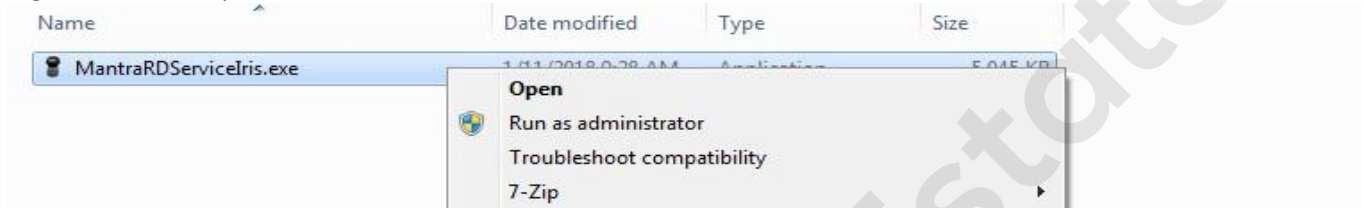
d. Finish Driver Installation



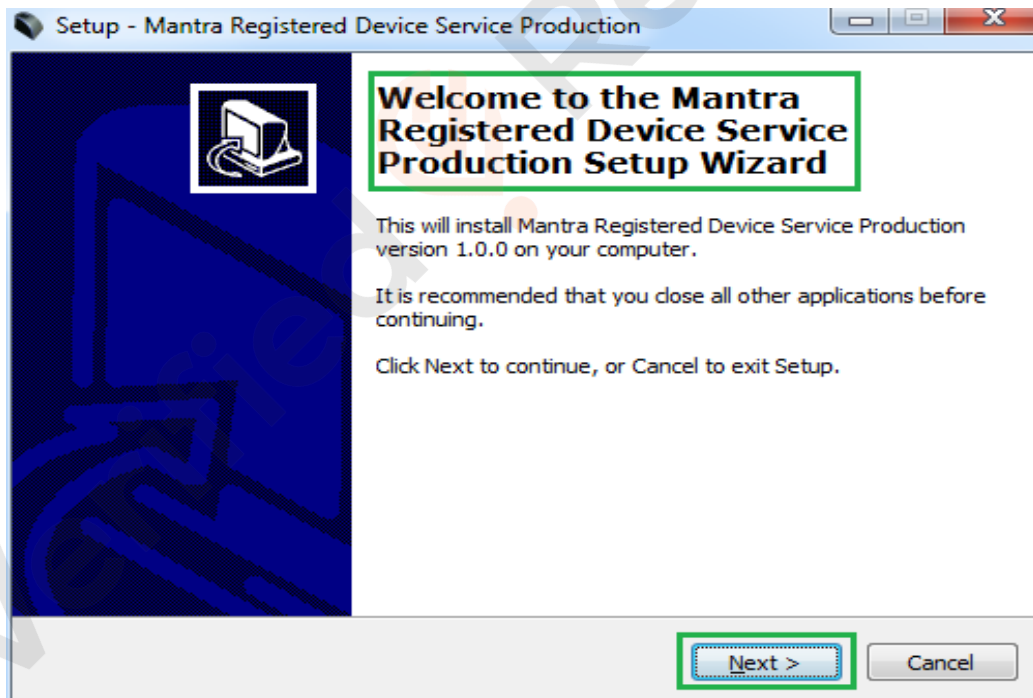
8. Mantra MIS100V2 RD Service Installation.

a. Start installation:

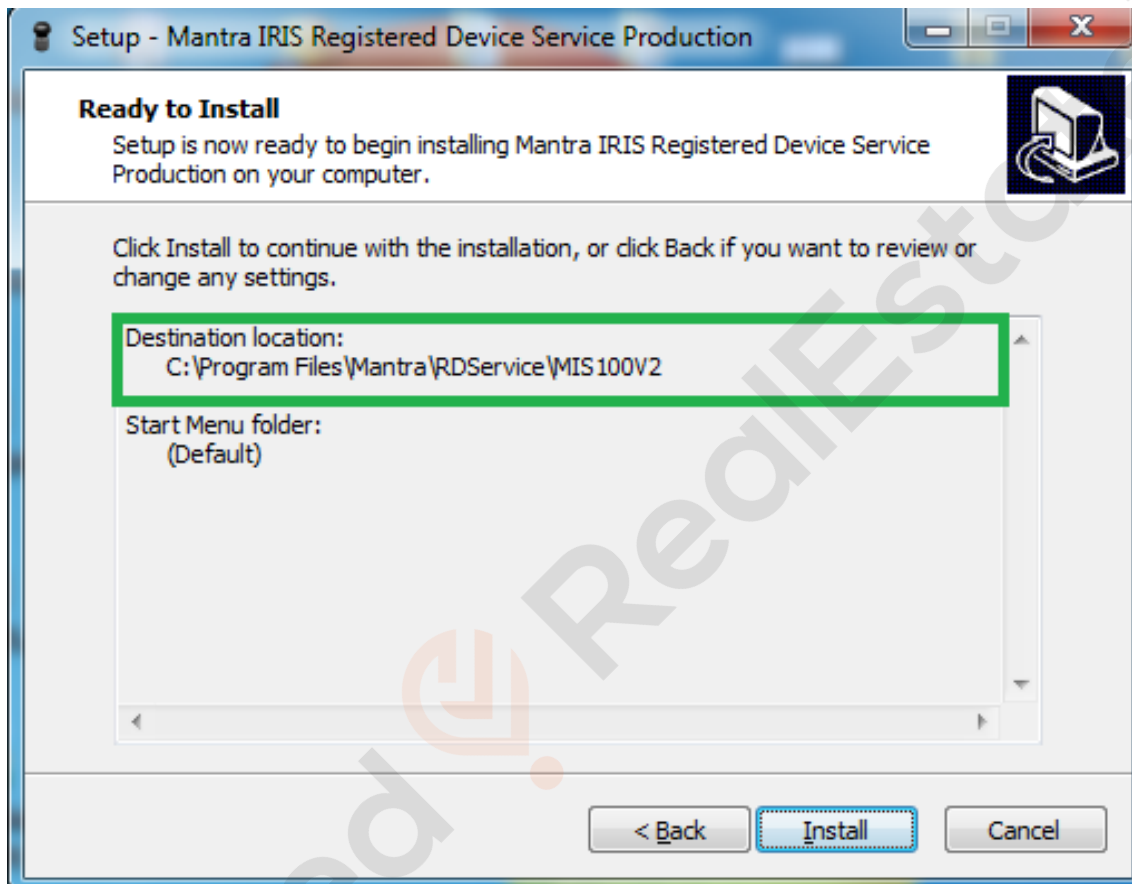
- Right click on setup file and select “Run as administrator”.



b. Welcome Wizard:



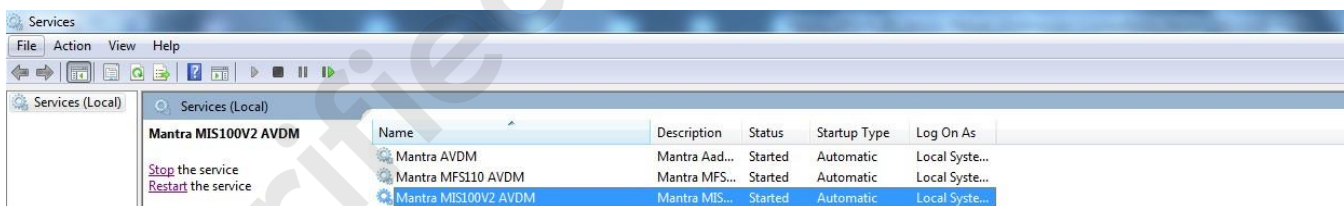
c. Destination Location:



d. Finish RD Service Installation:



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



9. MIS100V2 Registered Device

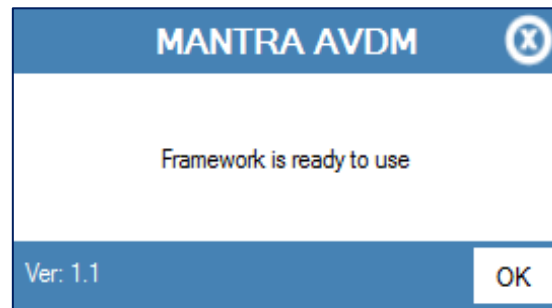
- When RD Service will detect public device then it will convert it into registered device and user will be notified again with success response by RD Service.
- After that you need to unplug and plug your device.



- 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.**



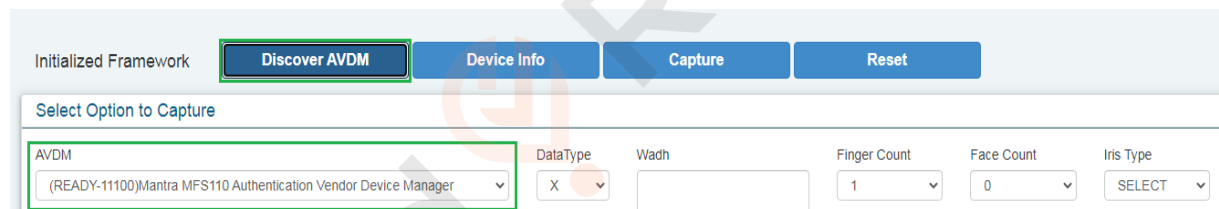
- Once registered MIS100V2 device will be plugged to the system, RD service will detect it automatically and validate it on Mantra's Management Server.
- Once validation completed then it will generate below popup for user information.



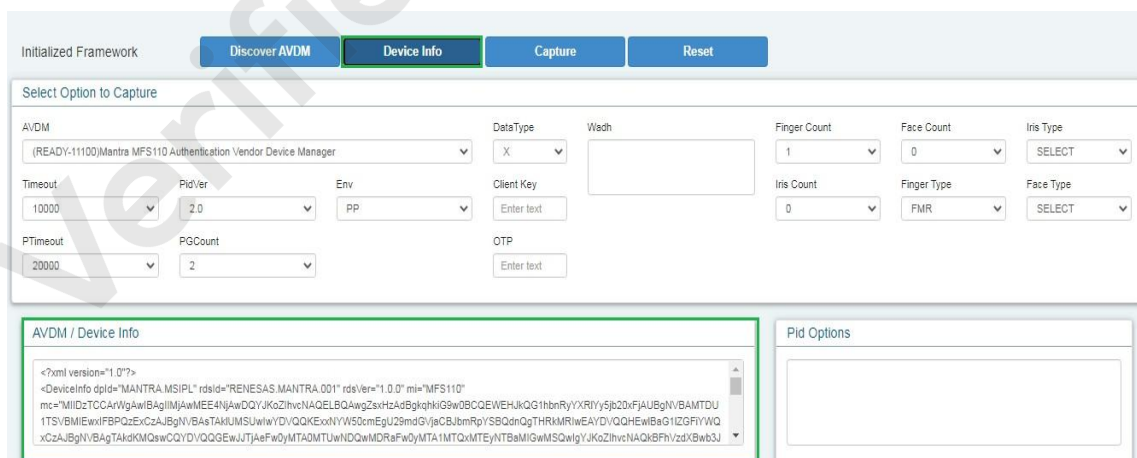
10. RD Service Test & Troubleshooting Application

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

MFS100:



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



← → ↻ 🔍 ☆ 📁 ⓘ

rdtest.aadhaardevice.com

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Mantra RD Service Call

Custom SSL Certificate Domain Name Ex (rd.mydevice.com) [After binding custom SSL certificate, add your domain name in hosts file (C:\Windows\System32\drivers\etc\hosts) Ex: 127.0.0.1 rd.mydevice.com]

127.0.0.1

Initialized Framework

Discover AVDM Device Info **Capture** Reset

Select Option to Capture

AVDM (READY-11101) Secure Mantra Iris Authentication Vendor Device Manager

Timeout 10000 PidVer 2.0 Env P Client Key Enter text

PTimeout 20000 PCount 2 OTP Enter text

Data Type X Wash

Finger Count 0 Face Count 0 Iris Type SELECT

Iris Count 1 Finger Type FMR Face Type SELECT

AVDM / Device Info

Pid Options

Pid Data

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.

11. Proxy Setting

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

MFS100:

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



Enter Proxy Server **Enter Proxy Port**

Configure Mantra RD Service

Proxy Settings

Proxy Server Proxy Port

Keep blank UserName & Password if Proxy Authentication is not required

User Name Password

Test Proxy **Save Proxy**

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



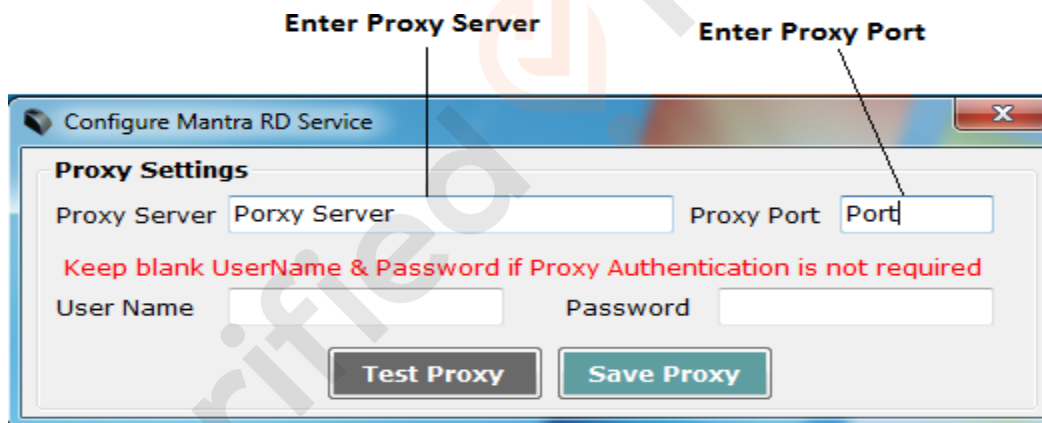
- On “OK” Message of Test Proxy, click on **Save Proxy**.



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

MIS100V2(IRIS):

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



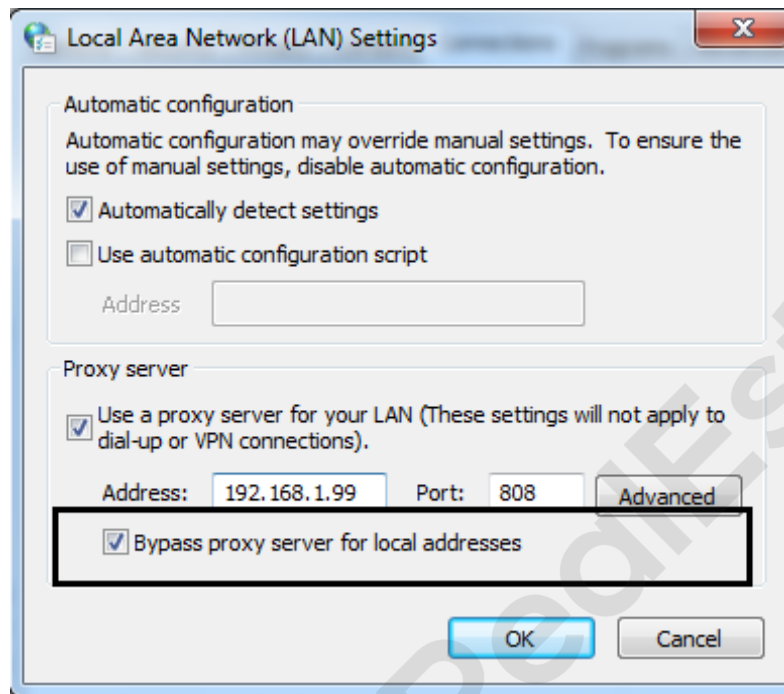
- Enter Username and Password if Proxy Authentication is required otherwise keep as Blank.



- 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”.



12. Browser Configuration for RD Service

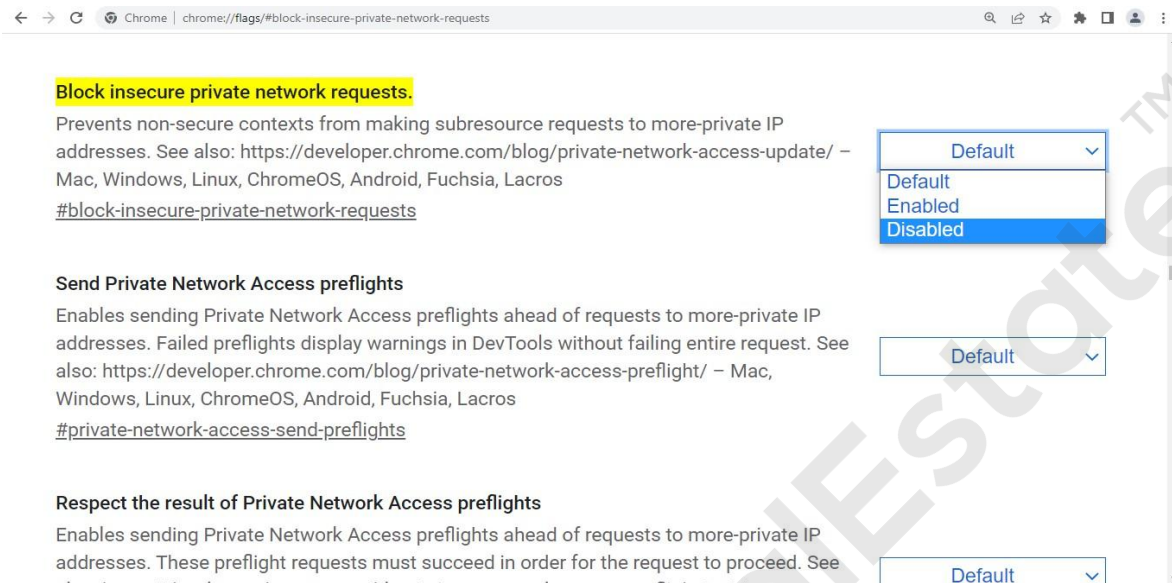
There is no any configuration required in Chrome or Firefox if web application is running on HTTPS.

Below browser configuration for HTTP request only.

1) Chrome (For HTTP Request only)

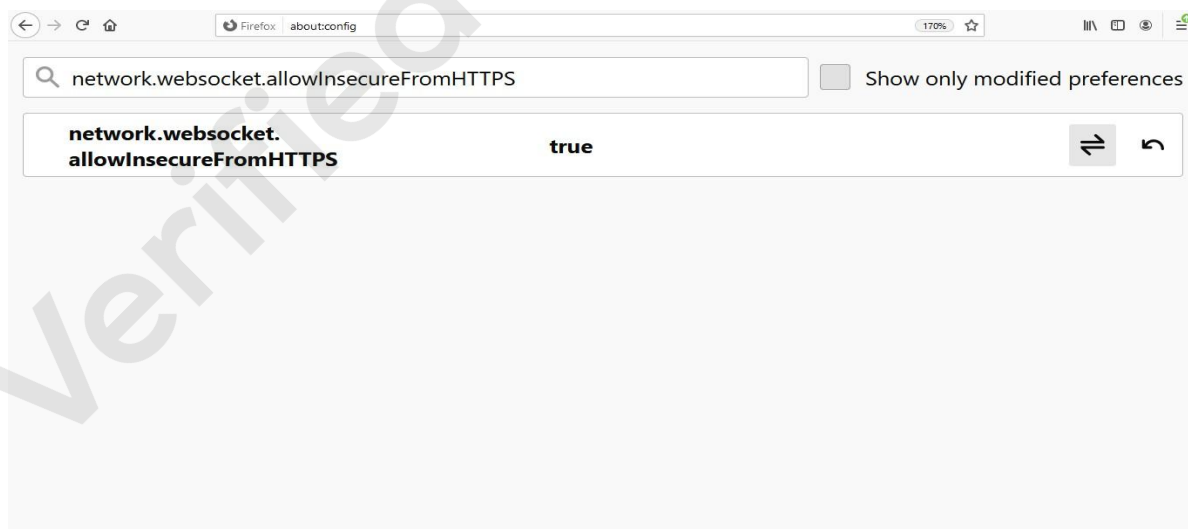
If Web Application which is calling RD Service API is running on HTTP then configure your chrome browser as below.

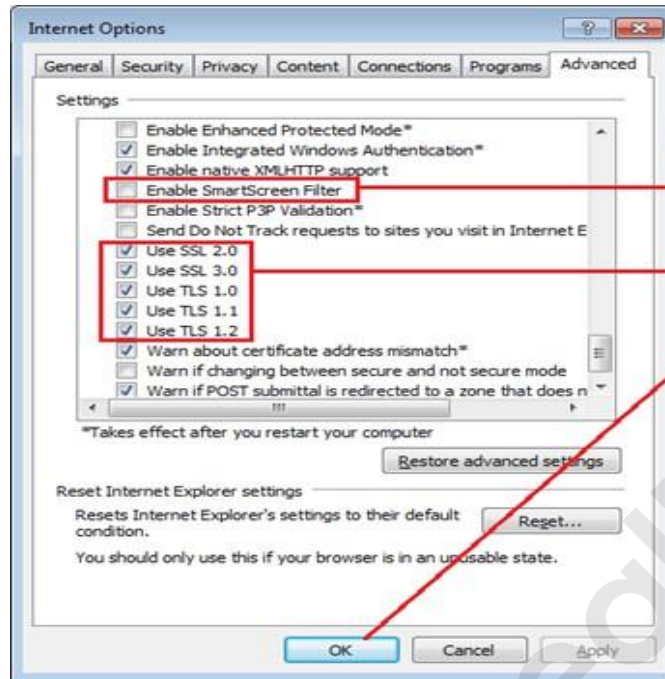
Browse below URL to change value to 'Disable' for 'Block insecure private network requests'
<chrome://flags/#block-insecure-private-network-requests>



2) Firefox (For HTTP Request only)

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





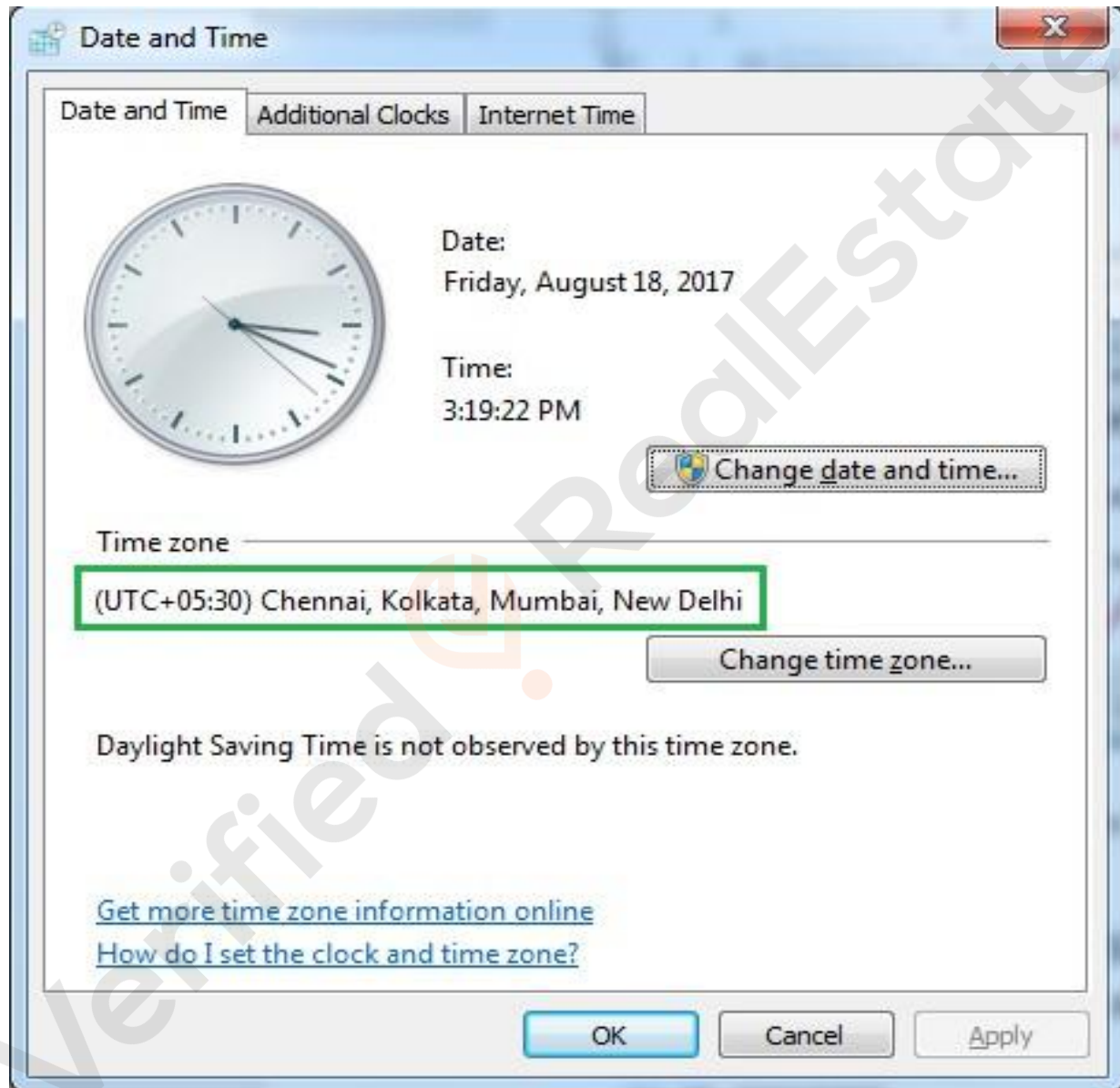
Uncheck this check box if it is checked.

Check all these check box if it is unchecked

Click "OK"

Restart "Internet Explorer" browser and then test again for capture finger

13. Configure System Time Zone



14. Troubleshooting

Port number should be 11100 for MFS1100

Port number should be 11101 for MIS100V2 (IRIS)

1. Verify port numbers:

- MFS110: 11100
- MIS100V2: 11101

2. Run device discovery:

- If status shows Ready -11100 / 11101, device is ready.

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Mantra RD Service Call

Custom SSL Certificate Domain Name Ex: (rd.myservice.com) [After binding custom SSL certificate, add your domain name in hosts file (C:\Windows\System32\drivers\etc\hosts) Ex: 127.0.0.1 rd.myservice.com]

127.0.0.1

Initialized Framework

Discover AVDM Device Info Capture Reset

Select Option to Capture

AVDM (READY-11100) Secure Mantra MFS1100 Authentication Vendor Device Manager

Timeout: 10000 PidVer: 2.0 P

PTimeout: 20000 PGCount: 2

Client Key: Enter text

OTP: Enter text

Wadh: Enter text

Finger Count: 1

Face Count: 0

Iris Count: 0

Finger Type: FMR

Iris Type: SELECT

Face Type: SELECT

AVDM / Device Info

```
<?xml version="1.0"?>
<RDService status="NOTREADY" info="Secure Mantra Authentication Vendor Device Manager">
  <interface id="DEVICEINFO" path="/rdinfo"/>
  <interface id="CAPTURE" path="/rdcapture"/>
  <RDService>
```

Pid Options

If ports are interchanged:

1. Open Services
2. Stop:
 - Mantra L1 AVDM Service
 - Mantra MIS100V2 AVDM Service
3. Restart in sequence:
 - Start Mantra L1 AVDM first

- Then start MIS100V2 Service

rdtest.aadhaarddevice.com

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Mantra RD Service Call

Custom SSL Certificate Domain Name Ex: rd.myservice.com [After binding custom SSL certificate, add your domain name in hosts file (C:\Windows\System32\drivers\etc\hosts) Ex: 127.0.0.1 rd.myservice.com]

127.0.0.1

Initialized Framework

Discover AVDM Device Info Capture Reset

Select Option to Capture

AVDM (NOTREADY-11100)Secure Mantra Iris Authentication Vendor Device Manager

DataType X Wadh

Finger Count 0 Face Count 0 Iris Type SELECT

Iris Count 1 Finger Type FMR Face Type SELECT

Client Key Enter text

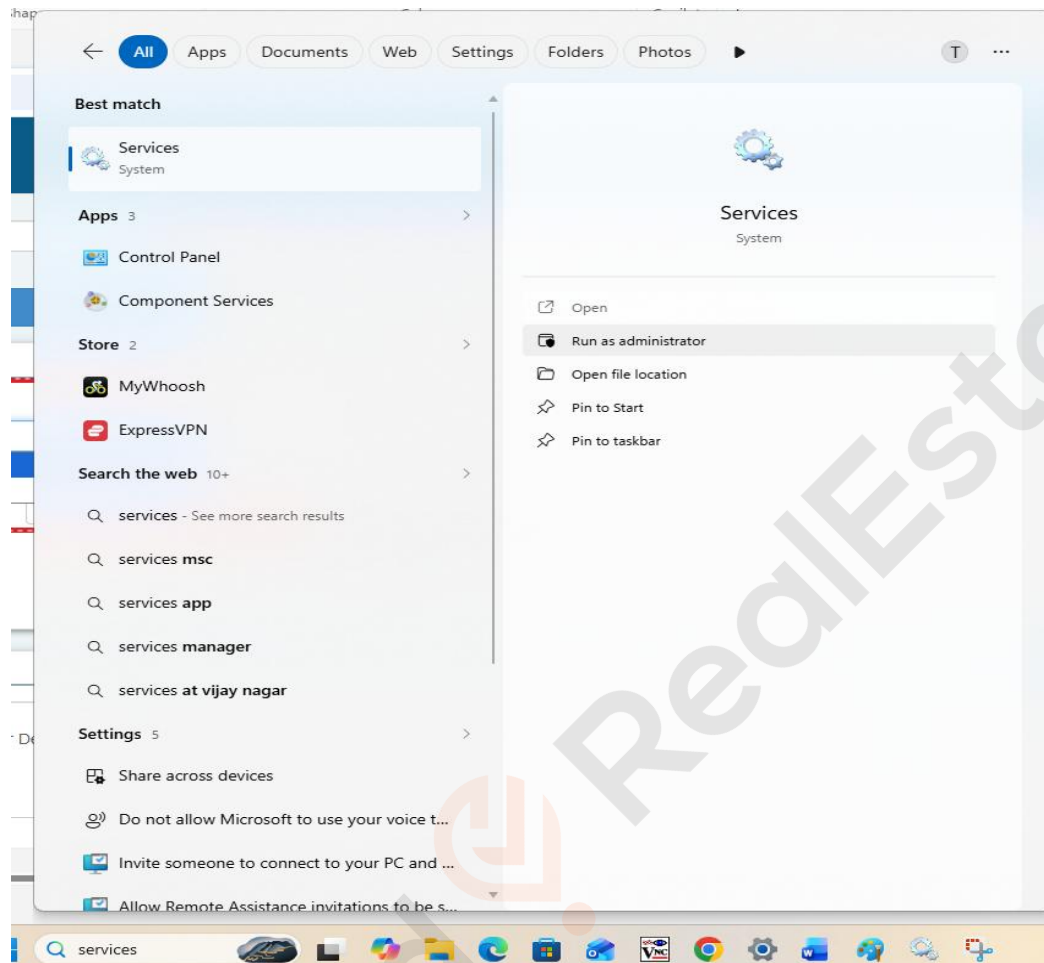
OTP Enter text

PTimeout 20000 PGCount 2

AVDM / Device Info

Pid Options

```
<?xml version="1.0"?>
<RDService status="NOTREADY" info="Secure Mantra Authentication Vendor Device Manager">
  <interface id="DEVICEINFO" path="/rdinfo"/>
  <interface id="CAPTURE" path="/rdcapture"/>
</RDService>
```



Services (Local)					
Mantra L1 AVDM					
Stop the service Restart the service		Name	Description	Status	Startup Type
		Mantra AVDM	Mantra Aad...	Running	Automatic
		Mantra L1 AVDM	Mantra L1 A...	Running	Automatic
		Mantra MIS100V2 AVDM	Mantra MIS...	Running	Automatic
		Log On As			
		Local Syste...			

Services (Local)					
Mantra MIS100V2 AVDM					
Stop the service Restart the service		Name	Description	Status	Startup Type
		Mantra AVDM	Mantra Aad...	Running	Automatic
		Mantra L1 AVDM	Mantra L1 A...	Running	Automatic
		Mantra MIS100V2 AVDM	Mantra MIS...	Running	Automatic
		McpManagementService	Universal Pr...		Manual
		MessagingService_2f0f72a	Service sup...		Manual (Trig...
		MFS100 Client Service	MFS100 Clie...	Running	Automatic
		Microsoft Account Sign-in ...	Enables use...	Running	Manual (Trig...
		Log On As			
		Local Syste...			

Description:
Mantra MIS100V2 Aadhaar Vendor Device Manager

rdtest.aadhaardevice.com

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Custom SSL Certificate Domain Name Ex:(rd.myservice.com) [After binding custom SSL certificate, add your domain name in hosts file (C:\I

127.0.0.1

Initialized Framework

Discover AVDM Device Info Capture Reset

Select Option to Capture

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

Timeout 10000 PldVer 2.0 Env P

PTimeout 20000 PGCount 2

DataType X Wadh

Client Key Enter text

OTP Enter text