



# IFMS AND E-SIGN MECHANISM

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# INTEGRATED FINANCIAL MANAGEMENT SYSTEM (IFMS)

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- IFMS is an e-governance initiative of the Central Government, undertaken as a Mission Mode Project (MMP), encompassing computerisation of financial transactions of the State Governments, with the aim of providing real time information on the finances of the States, for better fiscal management.
- The project envisages an on-line and real-time interface, through integration of the various IT systems of DDOs, Treasuries, Agency Banks, Government Departments at the State level, as well as the Union, the RBI and the AG, to attain a single source of truth for every financial transaction.
- IFMS is designed as a common Information and Communication Technology (ICT) platform which integrates the core Government Financial Management functions (e.g. budgeting, treasury operations, accounting, cash/debt management, auditing/reporting ) to ensure efficient management of financial resources.

# CONTD.

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- IFMS is usually a centralised architectural IT system which supports distributed (Statewide) operations of organisations on a unique central database containing all financial data.
- Robust databases, enhanced business processes and consistent information flows between various modules increase overall operational efficiency, improves planning , decision making process and enhances transparency.
- IFMS integrates various software with different stakeholders under a unified platform. This integration has resulted in elimination of data entry in different stages avoiding duplication of work and reducing chances of errors.
- In the process, IFMS has emerged as the Single Source of Truth. IFMS has resulted in Faster processing of bills, Timely payment to beneficiaries, Reducing Manual Efforts and cost.

# OBJECTIVES

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- Strengthening the Financial Management in the State.
- Improving accountability and transparency for stakeholders.
- **Accountability** – the ability of public officials (politicians, bureaucrats and technocrats) :
  - To answer for their actions and inactions;
  - To show evidence that government funds were utilised for public Interest.
- **Transparency**- ready access to reliable, comprehensive, timely, understandable and internationally comparable information on government activities.
- Making allowance for predictability and participation.
- **Predictability** – procedures laid down by laws, regulations and administrative instructions that are:
  - clear and known in advance (documented),
  - uniformly and effectively enforced.
- **Participation** —decentralisation and allowing participation in decision making all levels of government through representation, voting etc.

# COMPONENTS OF IFMS

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- **Budgeting:** A core element of an IFMS that determines the kind of information needed and the classification system of revenue and expenditure accounts. The budget also provides a primary internal managerial control over allocations and expenditure of government funds (Budget Estimates, Budget Allocation, Budget Distribution, Re-Appropriations, etc).
- **Accounting (Core Treasury System):** This is the primary provider of financial information linked to the operations of the government. It is the function in IFMS that records and integrates the results of financial transactions viz. Receipt & Expenditure.
- **Cash Management:** This is a proactive function to consolidate the cash resources of the government and planning for required cash disbursements and have a strong capacity for developing cash flow projections based on expected receipts and expenditures.

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- **Public Debt Management:** This is one of the smaller functions of IFMS but is of high importance as properly managed debt can yield big dividends in government savings on interest.
- **Management Information System (MIS):** This is what binds all components together in IFMS. The system cannot be designed apart from individual analysis of each of the components but the information system supersedes any single component.

# OVERVIEW OF E-SIGN:

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- An electronic signature, or e-signature, refers to data in electronic form, which is logically associated with other data in electronic form and which is used by the signatory to sign.
- This type of signature provides the same legal standing as a handwritten signature as long as it adheres to the requirements of the specific regulation under which it was created.
- E-Sign is an online electronic signature service that can facilitate an Aadhaar holder to digitally sign a document. In the current IFMS portal a user can sign a document after Biometric/One Time Password(OTP) authentication thus requiring no paper-based application form or documents.
- **Features of E-Sign**
  - Easy and secure way to digitally sign document anywhere, anytime.
  - Facilitates legally valid signatures.
  - Flexible and easy to implement.
  - Privacy of the signer is maintained.
  - Secure online service is used.
  - Immediate destruction of keys after usage.

# CONTD.:

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- **Benefits of E-Sign**

- Promotes paperless environment
- No hassles of key storage and key protection concerns
- User Convenience
- Integrity with complete Audit trail
- Saves cost and time

# COMPONENTS OF E-SIGN:

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- In IFMS E-sign can be done using two methods one using **OTP based Aadhar authentication** and other one using **Morpho Sensor RD Service** (biometric enabled).
- **Create Virtual ID:** For E-signing the document using OTP based Aadhar authentication it is mandatory for user to have virtual Id which is **16-digit random number**, which together with biometrics of the user gives limited details such as name, address and photograph - enough for any verification.
- **E-Sign Document:** Once the user has virtual id, he/she can e-sign the document.
- **Validate Signature:** When you have received a signed document, you may want to validate its signature(s) to verify the signer and the signed content.

# E-SIGN PROCESS (OTP METHOD):

- How to Generate VID:

- Go to <https://myaadhaar.uidai.gov.in/genericGenerateOrRetriveVID>

The screenshot shows the myAadhaar website interface. The browser address bar displays the URL [myaadhaar.uidai.gov.in/genericGenerateOrRetriveVID](https://myaadhaar.uidai.gov.in/genericGenerateOrRetriveVID). The page header includes the Unique Identification Authority of India logo and the text "Unique Identification Authority of India Government of India". The myAadhaar logo is visible in the top left, and the language is set to English. The main content area is titled "Dashboard > Generate or Retrieve VID".

The form contains the following elements:

- Please Select:** Two radio buttons are present:  **Generate VID** and  **Retrieve VID**.
- Enter Aadhaar Number:** A text input field.
- Enter Captcha:** A text input field next to a captcha image showing the characters "w<sup>c</sup> s<sup>k</sup> G<sup>w</sup>".
- Send OTP:** A blue button.

On the right side, there is a "Frequently Asked Questions" section with several expandable items:

- What is e-Aadhaar?
- Is e-Aadhaar equally valid like physical copy of Aadhaar?
- What is Masked Aadhaar?
- How to validate digital signatures in e-Aadhaar?
- What Is the Password of e-Aadhaar?
- What supporting software needed to open e-Aadhaar?
- How can Resident download e-Aadhaar?
- From where Resident can download e-Aadhaar?

# CONTD.:

ifms.uk.gov.in/LandingPage.aspx

IFMS Uttarakhand

Switch Role

TREA CODE: 0700 | DDO CODE: 4276

Welcome Mr. H. ... | Last Login: 06/05/2023 01:25:00 PM

Approval | My Profile | MIS | Society | Support | Income Tax | ReceiptCh... | **E-Sign** | Payroll | Budget | HRMS | Pension | Works

NPS | e-CHALLAN | Firm

**Bills**  
OPD Claim

**Budget not distributed in this Grant and Scheme In Financial Year**

Grant No	Scheme
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**DDO Details**

DDO Name	TAN Number	GST Number
Treasury OfficerHaldwani	MRTS01965F	05MRTS01965F1DU

**Alerts**

**Budget Status**

**Latest GO's**


IFMS Training(For DDO) Letter

**Message**

[For IFMS User Manual Click Here](#)


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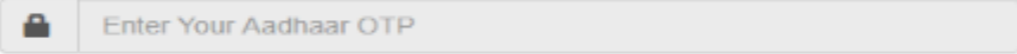
सी डैक  
CDAC  
Centre for Development of Advanced Computing

You are currently using C-DAC eSign Service and have been redirected from

 **Hastakshar**  
हस्ताक्षर  
C-DAC's eSign Service

**Aadhaar Based e-Authentication**

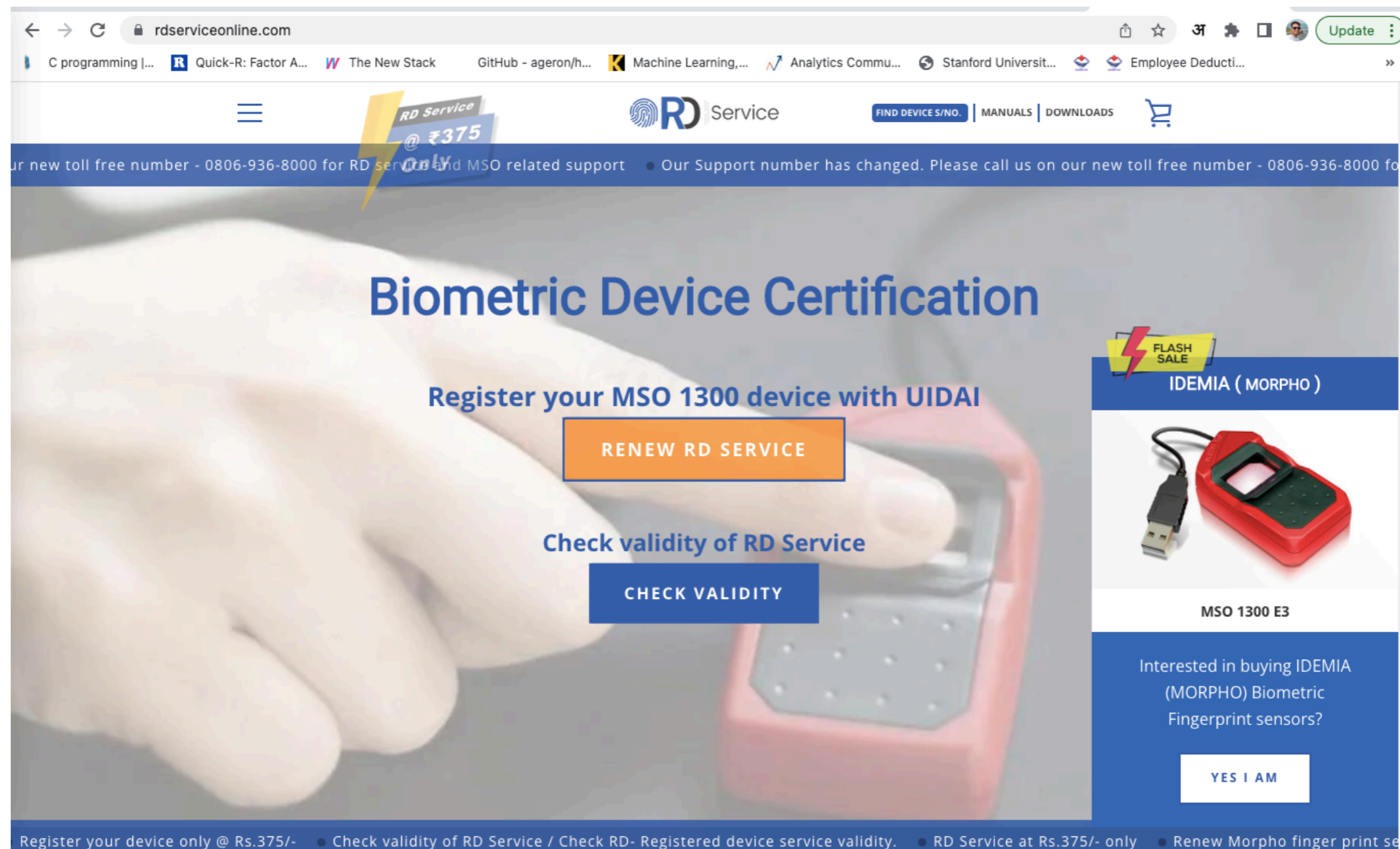
 9191383456467632 [Get Virtual ID](#)

 Enter Your Aadhaar OTP [View Document Information](#)

[Get OTP](#) [Cancel](#) [Not Received OTP? Resend OTP](#)

# RD (REGISTERED DEVICE) SERVICES BASED AUTHENTICATION:

- Installation of RD Device.
  - Connect Morpho biometric fingerprint sensor device to the system and go to <https://www.rdserviceonline.com/>



The screenshot displays the website [rdserviceonline.com](https://www.rdserviceonline.com/). The main heading is "Biometric Device Certification". Below this, there are two primary actions: "Register your MSO 1300 device with UIDAI" with a "RENEW RD SERVICE" button, and "Check validity of RD Service" with a "CHECK VALIDITY" button. A promotional banner for "IDEMIA (MORPHO)" is visible, featuring a "FLASH SALE" tag and an image of the MSO 1300 E3 device. A call-to-action asks, "Interested in buying IDEMIA (MORPHO) Biometric Fingerprint sensors?" with a "YES I AM" button. The footer contains navigation links: "Register your device only @ Rs.375/-", "Check validity of RD Service / Check RD- Registered device service validity.", "RD Service at Rs.375/- only", and "Renew Morpho finger print se".

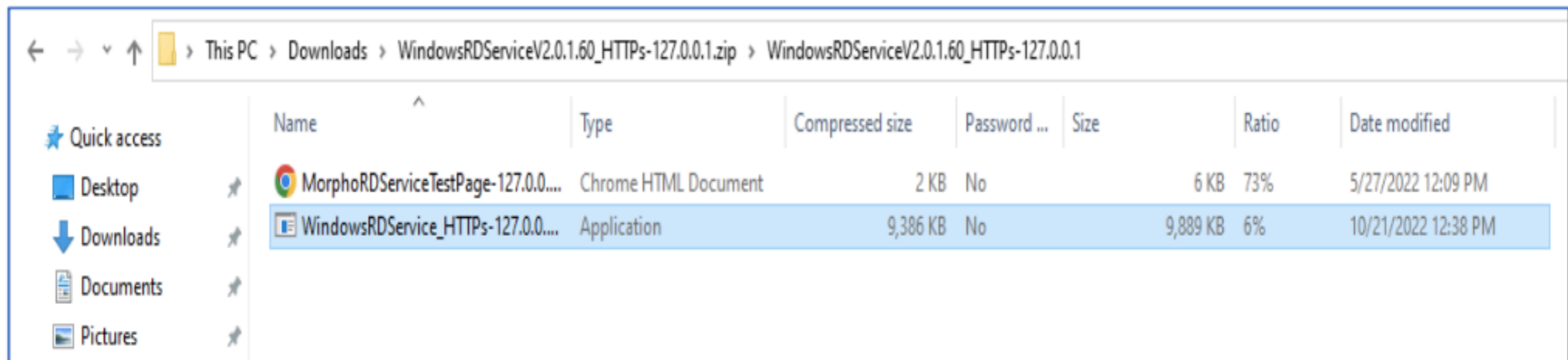
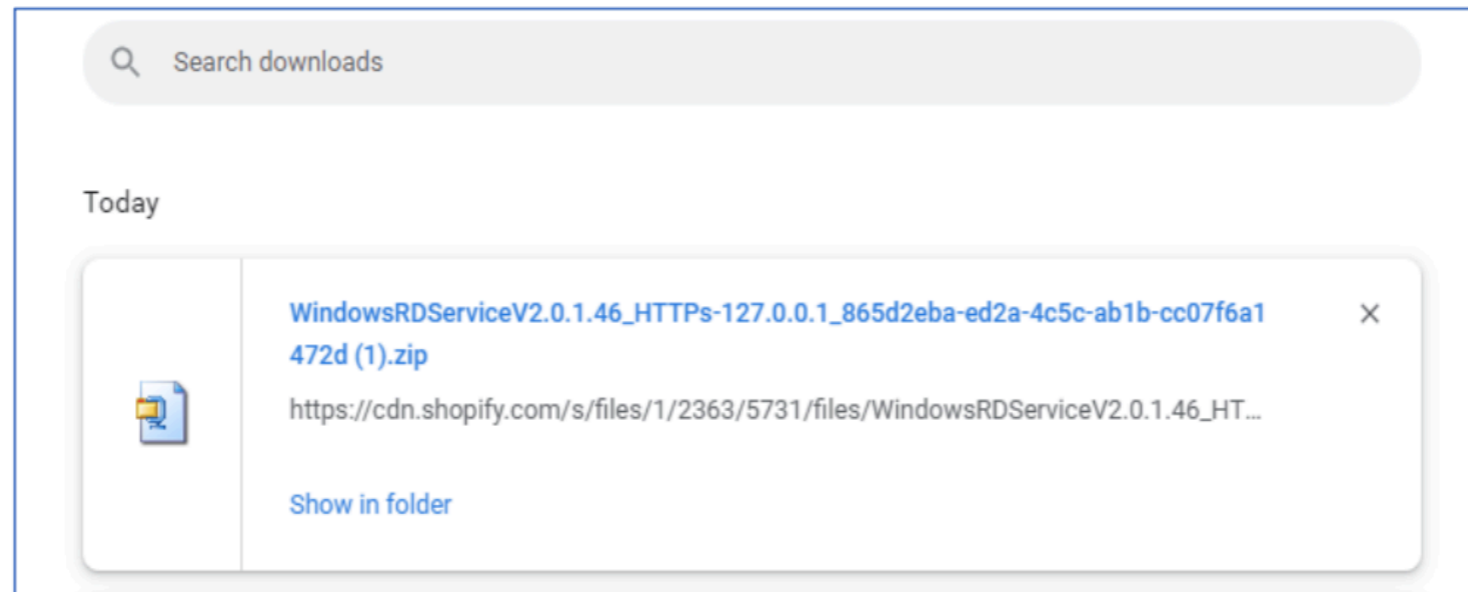
# CONTD.:

- Go to Downloads.

The screenshot shows the website [rdserviceonline.com](http://rdserviceonline.com) in a browser. The navigation bar includes a menu icon, the RD Service logo, and links for "FIND DEVICE S/NO.", "MANUALS", and "DOWNLOADS". A dropdown menu is open under "DOWNLOADS", listing "RD Service Driver Downloads" with sub-items: "Android", "Windows (http)", "Windows (https/localhost)", "Windows (https/127.0.0.1)", "APP-RD", and "Compatibility List". The "Windows (https/127.0.0.1)" option is circled in red. The main content area features a large banner for "Biometric Device Certification" with a hand using a fingerprint scanner. Below the banner are buttons for "RENEW RD SERVICE" and "CHECK VALIDITY". To the right, there is a "FLASH SALE" for "IDEMIA (MORPHO)" and a section for "MSO 1300 E3" with a "YES I AM" button.

# CONTD.:

- Open the downloaded file



# CONTD.:

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- Post Installation click on Morpho RD Services Test Page.

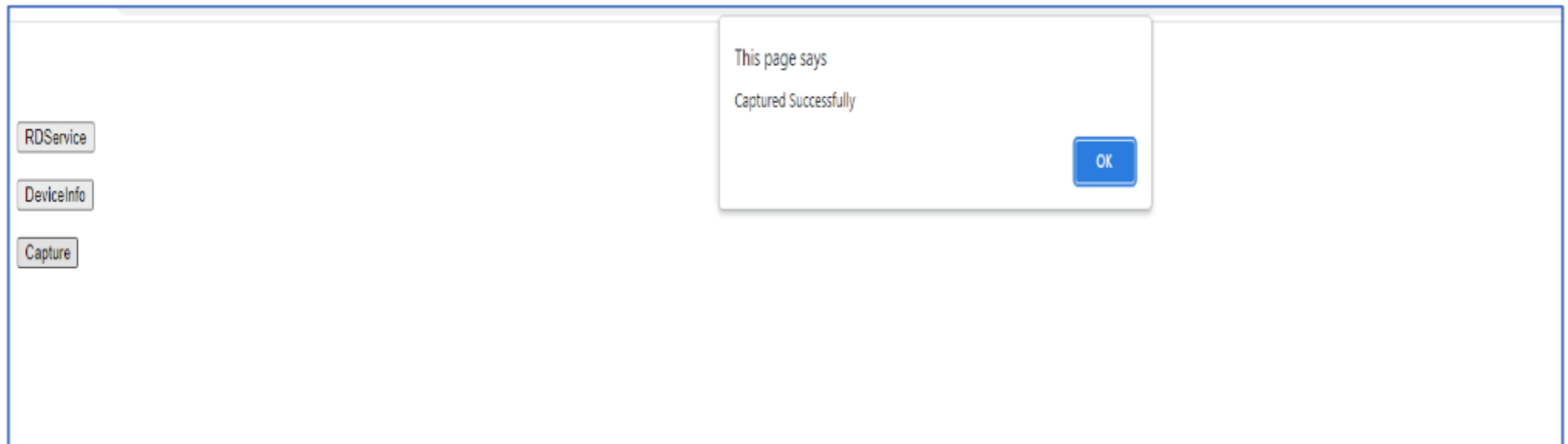


- Click on 1st menu i.e., **RD services** on doing so pop-up message appears on the screen as can be seen in the image attached below. In this message status of RD service appears as **READY** which means that the services have been installed successfully. If in case status is not ready one needs to install again.

# CONTD.:

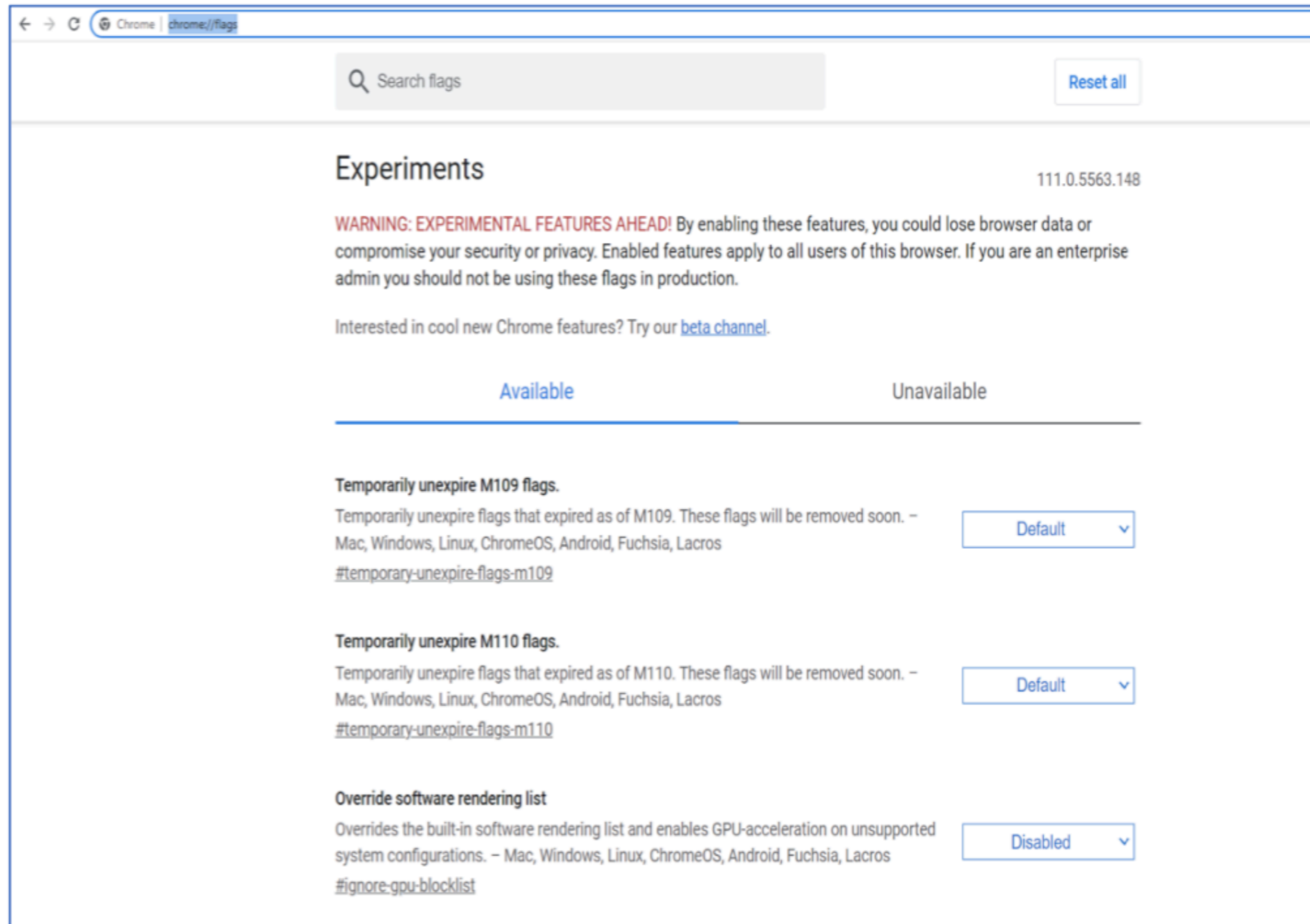
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- Click on capture and if the message displayed is “Captured Successfully” then the device is installed correctly.



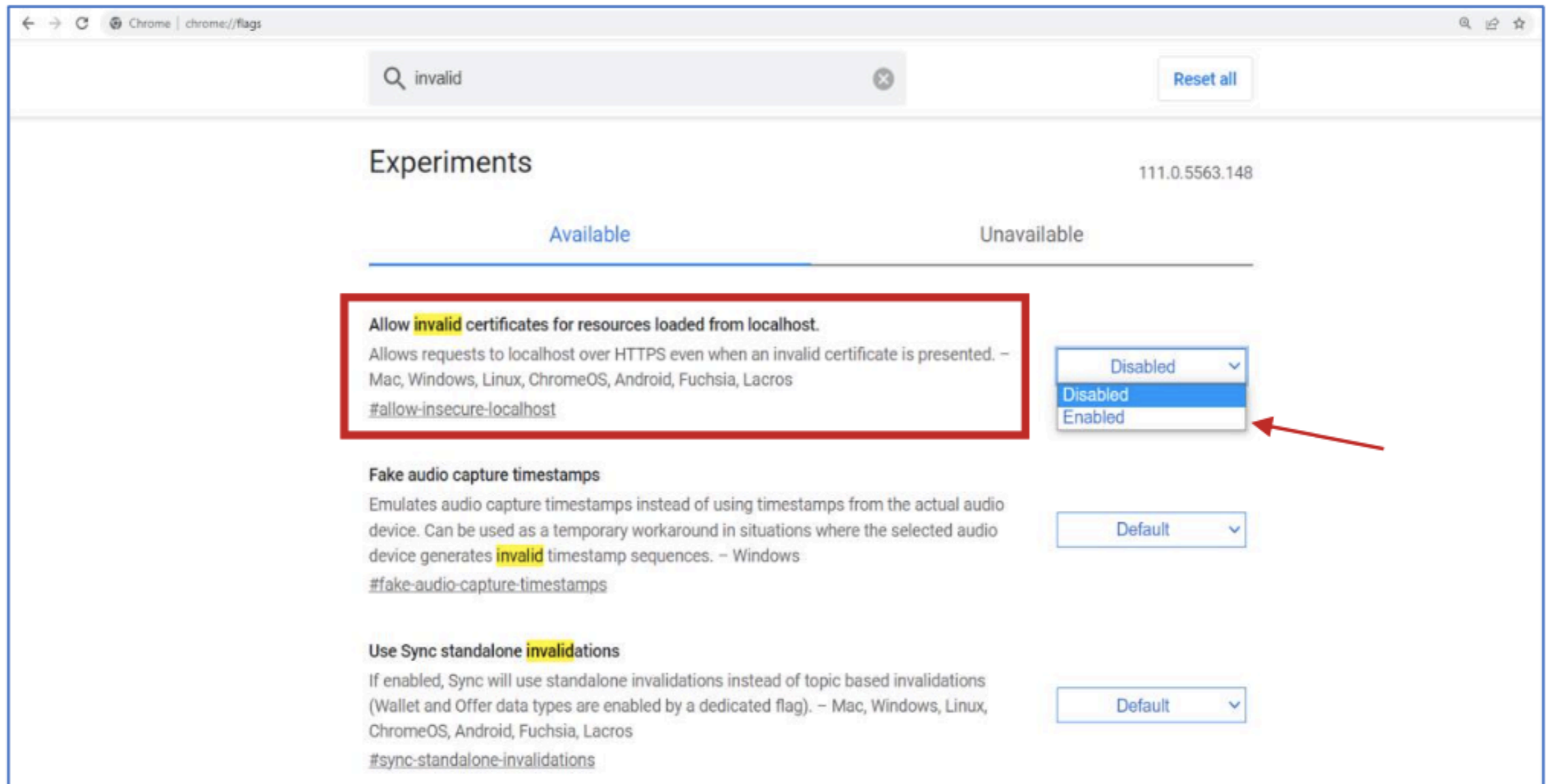
# CONTD.:

- In case the device is not installed properly go to chrome browser and type URL <chrome://flags> .



# CONTD.:

- In search flag kindly search invalid as can be seen in the image attached below; the very first option that is “Allow invalid certificates for resource loaded from localhost” is disabled as of now, kindly enable it from drop down menu .



# CONTD.:

- Enable and relaunch.

The screenshot shows the Chrome flags page at `chrome://flags`. A search bar at the top contains the word "invalid". The page is titled "Experiments" and shows a version number of "111.0.5563.148". There are two tabs: "Available" (selected) and "Unavailable".

The first flag is "Allow invalid certificates for resources loaded from localhost." It is currently set to "Enabled". The description reads: "Allows requests to localhost over HTTPS even when an invalid certificate is presented. – Mac, Windows, Linux, ChromeOS, Android, Fuchsia, Lacros" with the link `#allow-insecure-localhost`.

The second flag is "Fake audio capture timestamps" set to "Default". The description reads: "Emulates audio capture timestamps instead of using timestamps from the actual audio device. Can be used as a temporary workaround in situations where the selected audio device generates invalid timestamp sequences. – Windows" with the link `#fake-audio-capture-timestamps`.

The third flag is "Use Sync standalone invalidations" set to "Default". The description reads: "If enabled, Sync will use standalone invalidations instead of topic based invalidations (Wallet and Offer data types are enabled by a dedicated flag). – Mac, Windows, Linux, ChromeOS, Android, Fuchsia, Lacros" with the link `#sync-standalone-invalidations`.

At the bottom left, a message states: "Your changes will take effect the next time you relaunch Chrome." At the bottom right, a blue "Relaunch" button is highlighted with a red border.

# CONTD.:

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# CONTD.:

- E-signing using RD Device.

HOME MY PROFILE ▾ SUPPORT ▾ GPF ▾ BILLS PASSING ▾ PAYROLL ▾ PENSION ▾ E-PAYMENTS ▾ ACCOUNTS ▾ UPDATION ▾ RECEIPT ▾ MASTERS ▾ PLA ▾

### Digitally Sign Documents - eHastakshar

Employee Code :	<input type="text" value="650095"/>	Employee Name :	<input type="text" value="Ms Neetu Bhandari"/>
Treasury :	<input type="text" value="Haridwar"/>	Batch ID/Transaction ID :	<input type="text" value="R02/UK/13/31052016/05794"/>

Authentication Mode :  OTP  Biometric 


I hereby state that I have no objection in authenticating myself with Aadhaar based authentication system and consent to providing my Aadhaar number and One Time Pin (OTP) data for Aadhaar based authentication. I understand that the OTP I provide for authentication shall be used only for authenticating my identity through the Aadhaar Authentication system and for obtaining my e-KYC through Aadhaar e-KYC service only for the purpose of signing.

*Note : Adhaar Virtual ID (VID) is mandatory for E-Signing process. You will be redirected to an external URL for aadhaar authentication.*


[Click here to download instructions for VID Generation.](#)

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You are currently using C-DAC eSign Service and have been redirected from



Hastakshar  
हस्ताक्षर  
C-DAC's eSign Service

### Aadhaar Based e-Authentication

View Document Information

Aadhaar Number  Virtual ID  UID Token

[Get Virtual ID](#)

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You are currently using C-DAC eSign Service and have been redirected from

 **Hastakshar**  
C-DAC's eSign Service

### Aadhaar Based e-Authentication

View Document Information

Aadhaar Number  Virtual ID  UID Token

[Get Virtual ID](#)

I hereby state that I have no objection in authenticating myself with Aadhaar based authentication system and consent to provide my Aadhaar number/VID/UID Token and Biometric data for Aadhaar based authentication. I understand that the Biometric data I provide for authentication shall be used only for authenticating my identity through the Aadhaar Authentication system and for obtaining my e-KYC through Aadhaar e-KYC service only for the purpose of esigning.

[▶ Listen to Consent](#) English ▼

**Capture successful. Kindly submit your biometric data.**

[Submit](#) [Cancel](#) [Capture again? Re-Capture](#)

- Forward this bill to Treasury.

**THANK YOU!**