

Two-Factor Authentication (2FA) User Guide

Step 1. Install Google Authenticator App

Download and install the Google Authenticator application on your smartphone:

- **Android (Google Play Store)** → [Google Authenticator](#)
- **iOS (Apple App Store)** → [Google Authenticator](#)

Step 2. First Login and Setup

1. **Enter CAPTCHA**
You will be asked to solve a CAPTCHA challenge.
2. **Enter your cluster account password**

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Windows PowerShell
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PS C:\Users\DELL> ssh cdacadmin1@paramsa-prod-001.cdac.ac.in -p 4422
(cdacadmin1@paramsa-prod-001.cdac.ac.in) If you truly desire access to this host, then you must indulge me in a simple challenge.
-----
Observe the picture below and answer the question listed afterwards:

  ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^
  ( G | O | J | q | t | T | H | U )
  ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^

Type the string above: GOJotTHU
(cdacadmin1@paramsa-prod-001.cdac.ac.in) Password:
Activate the web console with: systemctl enable --now cockpit.socket

Last login: Thu Sep 18 12:15:14 2025 from 14.139.109.7



Please scan this QR with Google Authenticator app:
otpauth://totp/cdacadmin1@login05?secret=N4LLLVATIVWZTWK5DWREJS22XM&issuer=Cluster

QR Code generated. Marker file: /home/cdacadmin1/cdacadmin1_2fa.png

[cdacadmin1@login05 ~]$
```

3. A QR code will be displayed in your terminal/browser during the setup.
4. Open Google Authenticator on your phone → tap the “+” button → select **Scan a QR code**.

5. Once scanned, a new entry will appear in your app, e.g.:

Cluster: admin1@login

6. Verify Code

- Google Authenticator will generate a **6-digit one-time code** that changes every 30 seconds.
- Enter the code when prompted.

Step 3. Logging in After Setup

For all future logins:

1. Enter CAPTCHA
2. Enter Verification Code (6-digit number from Google Authenticator app)
3. Enter your cluster password

```
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PS C:\Users\DELL> ssh cdacadmin1@paramsanganah.1atk.ac.in -p 4422
The authenticity of host '[paramsanganah.1atk.ac.in]:4422 ([103.246.106.84]:4422)' can't be established.
ED25519 key fingerprint is SHA256:QA+0YhCcQ7v232Wd1a!N7F6P7G0,7ZNNP+DW9+bOM.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '[paramsanganah.1atk.ac.in]:4422' (ED25519) to the list of known hosts.
(cdacadmin1@paramsanganah.1atk.ac.in) If you truly desire access to this host, then you must indulge me in a simple challenge.
-----
Observe the picture below and answer the question listed afterwards:

  ( Q | s | U | O | H | R | O | S )
  ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^
  | | | | | | | | | | | | | | | |
  ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^

Type the string above:
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  ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^
  | | | | | | | | | | | | | | | |
  ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^ ^

Type the string above: QsUOHROS
(cdacadmin1@paramsanganah.1atk.ac.in) Verification code:
(cdacadmin1@paramsanganah.1atk.ac.in) Password:
```

