



RIPE NCC

RIPE NETWORK COORDINATION CENTRE

RIPE NCC Update

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Enhancing the Security of RIPE NCC Access

RIPE NCC Access account



- Single Sign On getaway
- Used for accessing different RIPE NCC services
- For RIPE NCC non members (RIPE Atlas, RIPE Database, mini portal for End users)
- For RIPE NCC members LIR PORTAL (transfer request, RPKI dashboard)

RIPE NCC Access Security investigation



- Credentials leaked published online
- Brute force attack
- 870 RIPE NCC account exposed publicly
- 8 members RIPE NCC Accounts potentially compromised
- 2FA was not mandated
- Password strength too low

<https://www.ripe.net/support/documentation/disclosures-and-reports/ripe-ncc-access-security-investigation-report/>

Actions taken



- Reset of all compromised password
- Internet number resources monitor for 104 vulnerable LIRs
- Reached out to the RIPE NCC account modified
- Restored RIPE NCC account after verifying the identity of holder
- Checked that no unauthorised changes happened for the compromise accounts

Enhancing the Security of RIPE NCC Access



- We have been working on enhancing the security of RIPE NCC Access
- Two-Factor Authentication (2FA) is now mandatory on all RIPE NCC Access accounts
- Read more from RIPE NCC's Chief Technology Officer, Felipe Victolla Silveira
 - https://labs.ripe.net/author/felipe_victolla_silveira/enhancing-the-security-of-ripe-ncc-access-recent-and-upcoming-changes/

Enhancing the Security of RIPE NCC Access - Recent and Upcoming Changes

Felipe Victolla Silveira — 10 Apr 2024
4 min read

ripe security operational 298

Over the past few months, the RIPE NCC has been working on enhancing the security of RIPE NCC Access, the Single Sign-On (SSO) system for accessing our key services. In this article, I explain the recent enhancements we've implemented and provide an overview of forthcoming developments you can anticipate from us.

Why is enhancing the security of RIPE NCC Access important?




Mandatory 2FA

- When an existing user without MFA signs in they are receiving an email to enable it

Sign in using your RIPE NCC
Access account

Two-Factor Authentication (2FA)
has become mandatory on RIPE
NCC Access accounts from 27
March. DISMISS

Your email address*

Your password* 

SIGN IN

[Forgot password?](#) [Create an account](#)

An email has been sent to complete the set up
process. Please follow the instructions in the email. If
you do not receive an email or have any issues please
contact us

[Email: ncc@ripe.net](mailto:ncc@ripe.net)

- Link expires after 1 hour

User sets up 2FA



- Download authenticator
- Scan the QR code
- Device name is used to recognise your authenticator

- User setups recovery codes

Recovery Authentication Codes

To activate your account, you need to set up backup codes. These recovery codes will disappear after leaving this page - please download and keep a copy safe.

You can either print, download or copy the codes to keep them safe. We advise adding the codes to a password manager.

1: Y1KE-6RL3-7V83	7: PNEQ-D4WT-XTAW
2: 7XPK-PYGY-D1EY	8: KZ7Z-X72L-C5BY
3: H8GL-KF08-A14C	9: KRYC-ENU2-BIU1
4: XSIT-CK7P-YRCB	10: 116J-ZFA6-P9K6
5: YPDN-CPFN-MLPQ	11: HQS8-LHKZ-F4UI
6: B2E4-49V5-85E4	12: GHDM-GREG-S4MI


I have saved these codes somewhere safe

Sign out from other devices

Authenticator Setup

Two-factor authentication is now mandatory. Protect your RIPE NCC Access account by following the steps below.

1. Install one of the following authenticator apps on your mobile device:
 - Microsoft Authenticator
 - Google Authenticator
 - FreeOTP
2. Open the authenticator and scan the QR code:



[Unable to scan?](#)

3. Enter the one-time code from the authenticator app in the field below.
4. Provide a Device Name to help you manage your OTP devices.
5. Click Confirm to finish.

One-time code*

Device Name*

Sign out from other devices

Membership 2FA overview



- RIPE NCC access account ADMIN

User Accounts + Add user account

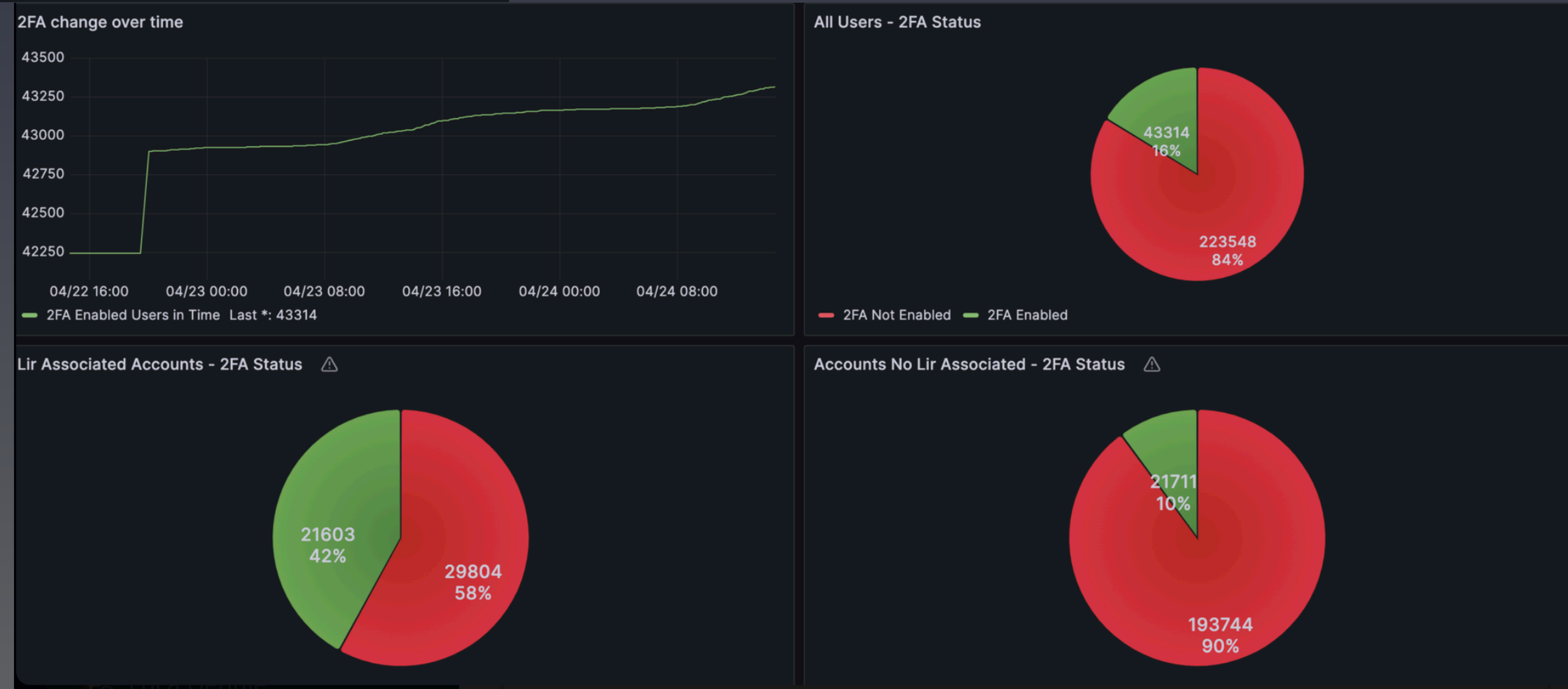
Search on Name or Email

 Xavier Le Bris >
xavier@ripe.net

✓ Two-Factor Authentication is enabled Admin

- Cleanup outdated user accounts
- remove mailing list used as RIPE NCC access account.
- Invite individuals email via the LIR PORTAL

Overtime statistiques



Future developments



- New feature request, Please send them to us
- more 2FA methods on the planning for Q2

<https://www.ripe.net/support/documentation/quarterly-planning/business-applications/>



Charging Scheme 2025

Charging Scheme



- The proposed models guarantee adequate funding for 2025 and 2026
- Consultation launched in March
 - <https://www.ripe.net/membership/mail/charging-scheme-2025-consultation>
- Make sure to register and vote at the General Meeting and have your say!

General Meeting May 2024



- RIPE NCC General Meeting will take place 22-24 May 2024
- Online and adjacent to the RIPE 88 meeting in Kraków
- Three resolutions to vote on and Executive Board election to fill two seats
- Register for the GM at
 - <https://my.ripe.net/#/meetings/active>
- More information about the GM is available at
 - <https://www.ripe.net/gm/may-2024>



Questions

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