



RIPE NCC

RIPE NETWORK COORDINATION CENTRE

RIPE NCC SSO 2FA

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Past



- RIPE NCC Access (“Single Sign On”) was introduced in 2012
- Two factor authentication as an option was added in 2014
 - Using Time-based One-Time Passwords (TOTP)
 - Use an app like Google Authenticator, Authy, ... or a software, browser plugin, ...
- The aim was to add more than just a username + password
 - So that a compromised machine or a stolen password is not enough
- 2FA has been optional until recently, thus adoption was not 100%
- It was possible (but not trivial) to “share 2FA” across users

Present



- Two factor authentication is mandatory since 27 March 2024
- Since then you **must** turn it on upon next login, if you haven't already
- There can be **multiple 2FA devices** associated to an account
- Up until 29 May 2024 this was still TOTP based
- As of 29 May 2024, **passkeys can also be used**
 - hardware security key (FIDO2 compatible) or password managers
 - For now without biometrics
- LIR admins can see who has it turned on already
 - Since the mandate this is essentially an inactivity detector

Future



- We'll add more authentication methods
 - FIDO2 biometrics in particular
- We plan to make the system an OIDC provider as well
 - For internal services only



Questions



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