

Countermeasures Setup User Authentication for NodeBB

Group 10:

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Before installation

Make sure NodeBB is working, see <https://docs.nodebb.org/installing/os/ubuntu/> for instructions on installing NodeBB along with setting up Nginx. Make sure you can log in to the NodeBB service as admin. This installation guide uses the Dasak VM as an operating system and MongoDB as the database. But any operating system and database which works with NodeBB should do.

Configuration 2FA Plugin

Link: <https://github.com/NodeBB/nodebb-plugin-2factor>

- Go to the NodeBB URL, 'nodebbtest.com' in our case
- Login as admin
- Go to the admin folder
- Go to Plugins → Install Plugins
- Go to Inactive, activate 'nodebb-plugin-2factor' plugin
- Go to Dashboards → Overview
- Press 'REBUILD & RESTART' and wait for it to complete
- Go to the "Two-Factor Authentication" directory.
- Enforce 2Factor Authentication for admins.
- Logout as admin
- Log in as admin
- Press the '...' icon, and press "Two-Factor Authentication"
- Enable the Authentication app.
- Download Google Authenticator from Play Store
- Use a QR reader to read the QR code displayed on the website
- Enter the code from the phone
- Admin has now enabled 2FA.

Configuration SSO Authentificaion

Link: <https://github.com/julianlam/nodebb-plugin-sso-google>

- Go to the NodeBB URL, 'nodebbtest.com' in our case
- Login as admin
- Go to the admin folder
- Go to Plugins → Install Plugins
- Install the 'nodebb-plugin-sso-google'
- Rebuild and restart NodeBB under the Dashboard menu
- Go to SSO-Google in the Plugins Dashboard
- Follow the github link.
- Go to the Google cloud service provided in the Github link.
- Create a new project.
- Configure your consent screen
- Create an "OAuth client ID"
- Set "Application Type" to "Web application"
- Set "Name" as you like
- Leave "Authorized Javascript origins" empty
- The "Authorised Redirect URI" is your URL to the website + '/auth/google/callback'
- Copy the "Client ID" and "Client Secret" to the fields on your NodeBB website.
- Save then rebuild and restart the service.

Error 400: url_redirect_mismatch

If you notice this problem when trying to log into/register NodeBB with SSO it means that the OAuth has not been set up properly. Carefully read through the instructions again and properly set up the project before starting the "OAuth client ID". Also, make sure that the "Authorized Redirect URI" is correct and that localhost is not used as the redirect URI. See <https://docs.nodebb.org/installing/os/ubuntu/> on how to setup Nginx. Set a custom URL for your NodeBB and use this as the "Authorized Redirect URI".

Error: Too many redirects

This is caused by NodeBB plugin 2FA, it attempts to redirect the newly registered user to authenticate using 2FA. To remove this error, log in as admin and configure 2FA to only be enforced on admin users.