**Email Notification using NodeMailer**

Nodemailer is a node package which allows sending email through the application using Node.js. Nodemailer needs the following to proceed with the action:

* Service Name (e.g. Gmail, Outlook365, etc.)
* Host (e.g. smtp.gmail.com)
* Email Address
* Password
* From (email address)
* To (email address)
* Subject
* Body

Nodemailer offers preset configurations from these services:

* 126
* 163
* 1und1
* AOL
* DebugMail
* DynectEmail
* FastMail
* GandiMail
* Gmail
* Godaddy
* GodaddyAsia
* GodaddyEurope
* hot.ee
* Hotmail
* iCloud
* mail.ee
* Mail.ru
* Maildev
* Mailgun
* Mailjet
* Mailosaur
* Mandrill
* Naver
* OpenMailBox
* Outlook365
* Postmark
* QQ
* QQex
* SendCloud
* SendGrid
* SendinBlue
* SendPulse
* SES
* Sparkpost
* Yahoo
* Yandex
* Zoho
* qiye.aliyun

Most notable among these services are:

* Gmail
* Outlook365
* Mailgun (Free for 10,000 emails per month)
* Amazon SES

**GMAIL**

Gmail needs a few configurations in the account settings to make it work. Log in to Google and enable both settings on these two links (<https://myaccount.google.com/lesssecureapps> and <https://accounts.google.com/DisplayUnlockCaptcha>). Then, make sure that the username and password added in nodemailer setup is from a real account. Though, the problem with using gmail is its limits on bulk sending. Gmail can only send emails to 500 recipients a day. That means, 1 email sent to 500 people will hit this cap similar to 500 emails sent to 1 person each. Exceeding this limit will block the account either temporarily or permanently depending on Google’s discretion and emails following this could be sent to the recipients Spam folder.

const transporter = mailer.createTransport({

service: "Gmail",

auth: {

user: *<email\_address>*,

pass: *<password>*

}

})

**OUTLOOK365**

Outlook365 works, but it needs the main account’s username and password. This will not work on subaccounts created for employees.

const transporter = mailer.createTransport({

service: "Outlook365",

auth: {

user: *<email\_address>*,

pass: *<password>*

}

})

**MAILGUN**

Mailgun is a third-party company offering transactional email services. They have a free tier option that allows sending up to 10,000 emails per month. Then, $0.50 for every extra 1,000 emails.

const transporter = mailer.createTransport({

service: "Mailgun",

auth: {

user: *<email\_address>*,

pass: *<password>*

}

})

**AMAZON SES**

Amazon also works, but Amazon SES is only supported on three regions: Europe (Ireland), East US (North Virginia) and West US (Oregon). No support currently for Northeast Asia (Tokyo) but choosing a different region will still work. There may be problems with latency, but is negligible. SES has a flat fee of $0.10 per 1,000 emails and $0.12 per 1GB of attachments sent.

const transporter = mailer.createTransport({

service: "SES",

auth: {

user: *<email\_address>*,

pass: *<password>*

}

})