Nylas Solutions Engineer Challenge

Challenge Overview

This challenge will test your ability to programmatically interact with the Nylas API. You'll need to reference our [API documentation](#) to complete this coding challenge.

For the following questions you'll be making some requests to the Nylas API. You can use any programming language you are comfortable with to make requests. Please do not use Postman or cURL. There are Nylas SDKs on our github (more info on these in our docs) available if you'd like, but these are not required:

- [nodejs](#)
- [Python](#)
- [Ruby](#)
- [Java](#)

Please be sure to preserve your work (including API responses) in a file so that we can evaluate your code at the end of the challenge.

Tasks

We'd like you to use the provided documentation to:

- Authenticate an account to make requests to `https://api.nylas.com` ***
- Create a `nylas_challenge` label within Gmail
- Send an email to yourself via the Nylas API
- Query the API for the email you sent and change the label to `nylas_challenge`

Google Requirements:

- Please use a Google account (Free Gmail accounts will work) for this as the Google Project is much easier than the Microsoft setup.

- As you are authenticating a Google account, you will need to set up a Google project to obtain the client_id and client_secret for the OAuth flow. Here's a [guide](#) to do so.

Extra Credit

Set up `message.created` and `message.updated` webhooks to receive real-time notifications.

Note: You will need to use the [Nylas Command Line Interface](#) (CLI) to receive and monitor webhooks.

- Here's the Nylas [guide](#) that outlines how to get started with the CLI
- Here's the Nylas [guide](#) that outlines how to test webhooks

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Note: Feel free to ask questions as you progress through this process.

During your homework review meeting, be ready to explain why you took a given approach, where you found struggles, what thoughts you had as you went through the process, and any questions that came up along the way.

Now that you've completed the above tasks, answer the following questions in the context of the Nylas API. The answers for these can be determined through the Nylas docs in addition to some general research on the topics. Please document your answers and be prepared to review during the homework review meeting.

Questions:

1. What's the difference between delta sync and webhooks?
2. Take a guess as to why you might use one over the other - walk us through your thinking.
3. What are a few questions you might ask a prospect to see if one would work for them over the other?