

# Welcome!

- Agenda
  - Beautiful SDK Design with Java (45 mins)
  - Okta 101 (5 mins)
  - Q&A (10 mins)

## Common Side Effects of Designing Beautiful Java SDKs





Les Hazlewood

# History



# Design Principles



## **Interfaces**

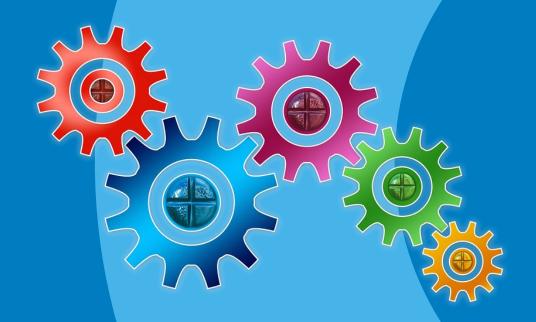


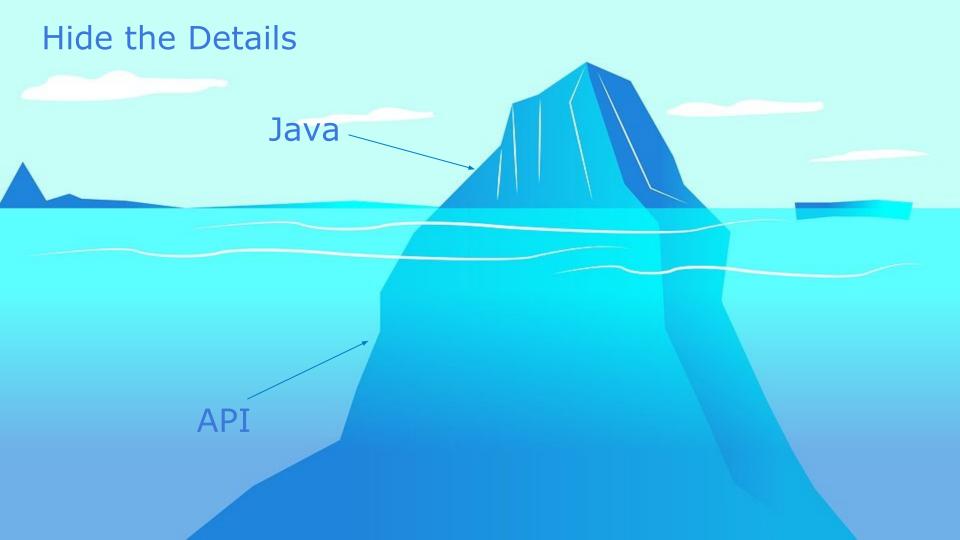
## Implementations



VS

# Flexible Configuration





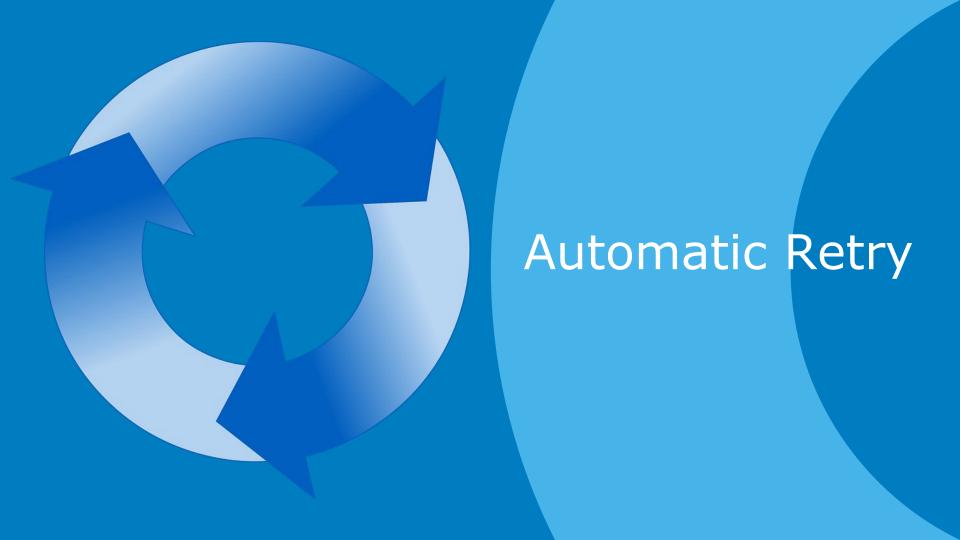
# Cache Objects



#### **API Focused**

#### Java Focused

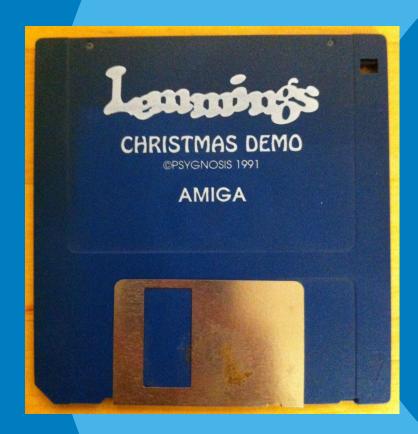
```
1 final ListObjectsV2Request request =
2    new ListObjectsV2Request().withBucketName(bucketName);
3 ListObjectsV2Result result = s3client.listObjectsV2(request);
4 for (S3ObjectSummary objectSummary : result.getObjectSummaries()) {
5    ...
6 }
```



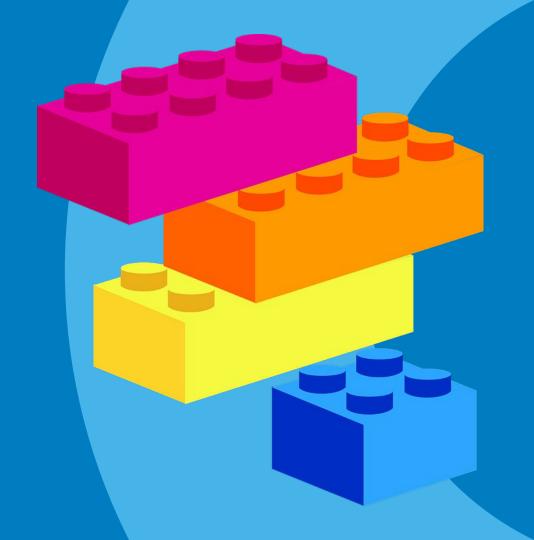
what doesn't kill you will likely try again.

## **Automatic Retry**

## **Demo Time!**



Key Building Blocks





Challenges: API Deep Dive

## Okta Enables Companies to Do Both IT & API



Employees, Contractors



#### Identity & Mobility Service:

Identity Management Mobility Management Strong Authentication





Partners, Customers



Identity API Products:
Identity API for Any App
Developer Tools
and Community





### Resources

- Digital Ocean API
  - https://developers.digitalocean.com/documentation/v2
- HTTPie
  - https://github.com/jkbrzt/httpie
- Free Okta Org for Developers
  - https://developer.okta.com
- Okta Java SDK
  - https://github.com/okta/okta-sdk-java
- Okta Training
  - https://www.okta.com/services/training/
- @afitnerd @OktaDev





