

NFX305 : How Netflix autopilots migration from Amazon RDS to Aurora at scale



Wednesday, December 04, 02:30 PM PST, 60 min

Location

Wynn | Convention Promenade | La Tache 1

every Rn had its own AV team, w/ wifi access points!

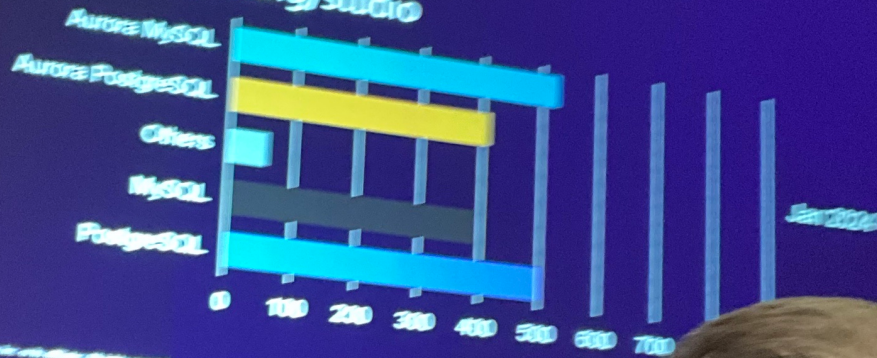
Netflix using postgres RDS

online data stack team

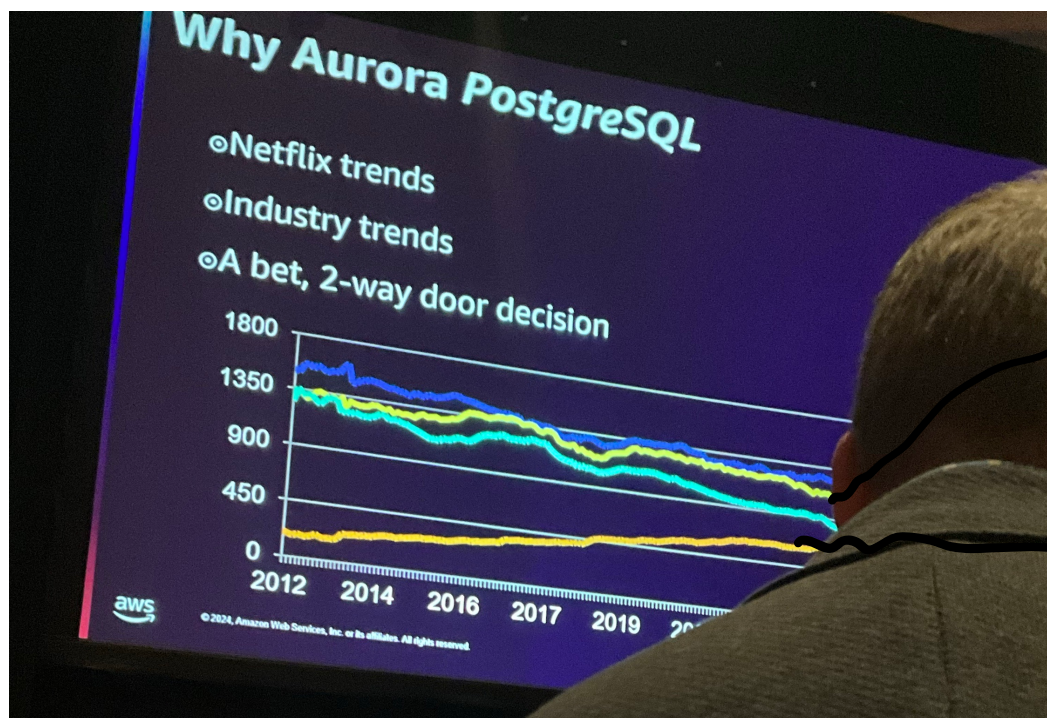
2k clusters

Introduction

- Netflix infrastructure engineering - online data stores
- ~2,000 clusters/instances
- Content/platform/billing/studio



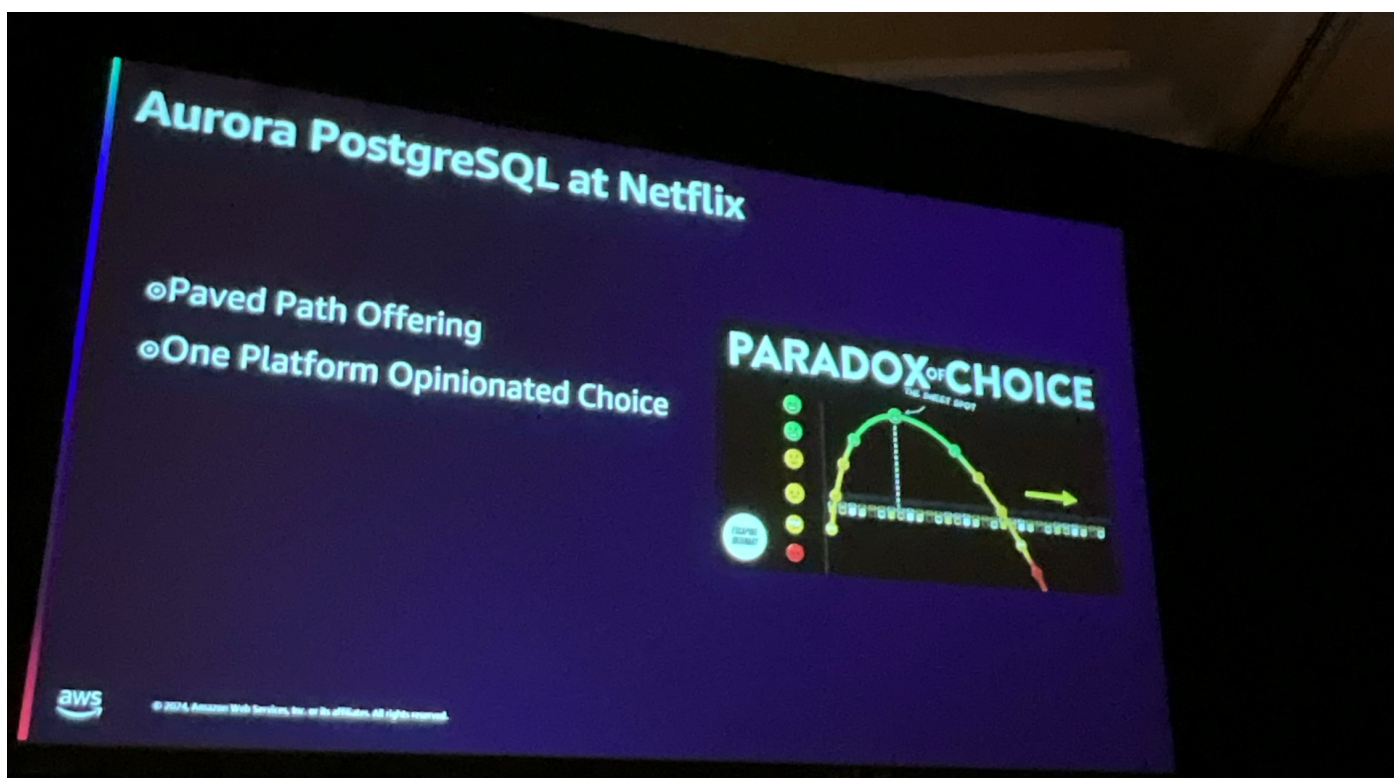
Why Aurora PostgreSQL
Piles of Multi-region



Blue/Yellow
available

MySQL
Aurora

PostgreSQL



"Can go ~~off~~ but your on your own" ^{paved path}

Aurora Postgres is Netflix
Paved Path for now

No Access to creds?

All automation

No Control over application

Netflix
Values

No DBA at Netflix

data platform can +
only runs on /y

Postgres to Postgres only

Many accounts two a few

https://spinnaker.io/docs/setup/other_config/ci/

"Spinnaker" CI/CD tool?

No telnet GNet/A

No CloudFormation

Change groups to stop traffic

Backup
change

Reboot

oldest
Replication
Start

"wal file" how many
on new

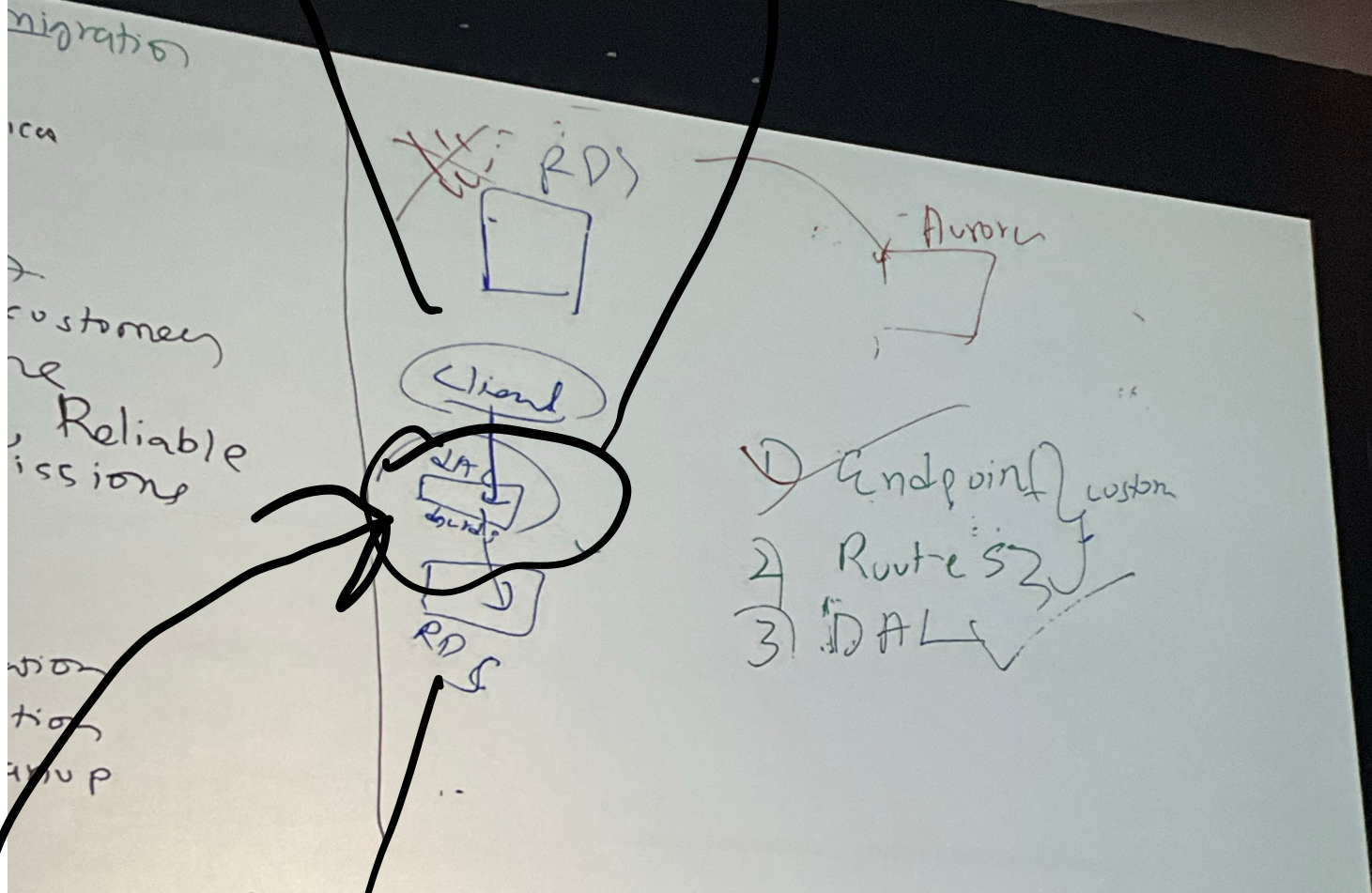
Relational^{DB} not used by Streaming
directly so they can get
away with downtime

Custom Hard coded values
Managed

RTS PVS

* Data abstraction layer

Custom / automated changer
↓
DAC



~~RDS L4 For SEC Regim~~

~~AL SECRET SAUCE~~

https://spinnaker.io/docs/setup/other_config/ci/