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## **Database Weekly**

Issue 184 — December 15, 2017

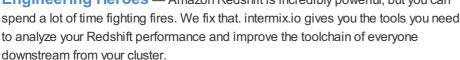
The Case for Learned Index Structures — Get your academic brain in gear with this exploratory research paper from MIT and Google that posits all existing index structures can be replaced with better performing learned indexes that can be built using deep-learning models. This is one of those "lots of databases might be doing this in 10 years" moments.

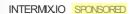
KRASKA BEUTEL ET AL.

The Three-Valued Logic (3VL) of SQL — Besides true and false, the result of logical expressions in SQL can also be *unknown*.

MARKUS WINAND

## Performance Analytics for Amazon Redshift. For Data Engineering Heroes — Amazon Redshift is incredibly powerful, but you can spend a lot of time fighting fires. We fix that. intermix io gives you the tools you need







**10 Key Big Data Trends That Drove 2017** — Al, Spark, and graph databases continue to grow, Hadoop's star has faded slightly, and more.

ALEXWOODIE

**RedFI:** A Fault-Injection Redis Proxy — A tool for testing the resiliency of your app against faults in connecting to Redis (e.g. delays, dropped connections).

KHALID LAFI TOOLS

## PostgreSQL 10 Generally Available on Heroku

HEROKU

As Data Quality Declines, Costs Soar — Cleaning up and filtering 'bad data' is a growing area.

DATANAM

**Database Performance Monitoring Buyer's Guide** — This guide is designed to aid when evaluating database monitoring solutions for your unique environment.

VMDCORTEX SPONSORED

Running a Distributed Database on Kubernetes on Azure

LENA HALL

**Using PopSQL for Collaborative SQL Editing** — A commercial tool that's free for one or two users.

NAOMI SLATER

**Constructing a Data Model for a Parking Lot Management System** 

**VERTABELO** 

A Case Study of How Redis Handles Concurrency

**ELI BENDERSKY** 

**Continuous Delivery: GoCD VS Spinnaker** — An overview of GoCD & Spinnaker, why they are different from each other and which problems you should use them to solve.

GOCD SPONSORED

Advanced Design Patterns for Amazon DynamoDB — A deep dive into design patterns for DynamoDB covering strategies for GSI sharding, index overloading, scalable graph processing and more.

RICK HOULIHAN VDEO

**Best Practices for Building Serverless Big Data Applications** 

BEN SNIVELY VIDEO

mssql-cli: A New Interactive CLI for SQL Server

MICROSOFT TOOLS

xls2db: Export Table Data From Excel to MySQL

GITHUB.COM TOOLS

memcached-operator: A Kubernetes Operator for 'memcached'

IAN LEWIS CODE

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