DevLive Level Up MySQL Summit

MySQL Summit Day

Introduction to MySQL Shell for VS Code

- Kenny Gryp
- MySQL Product Management Director
- March 23, 2023

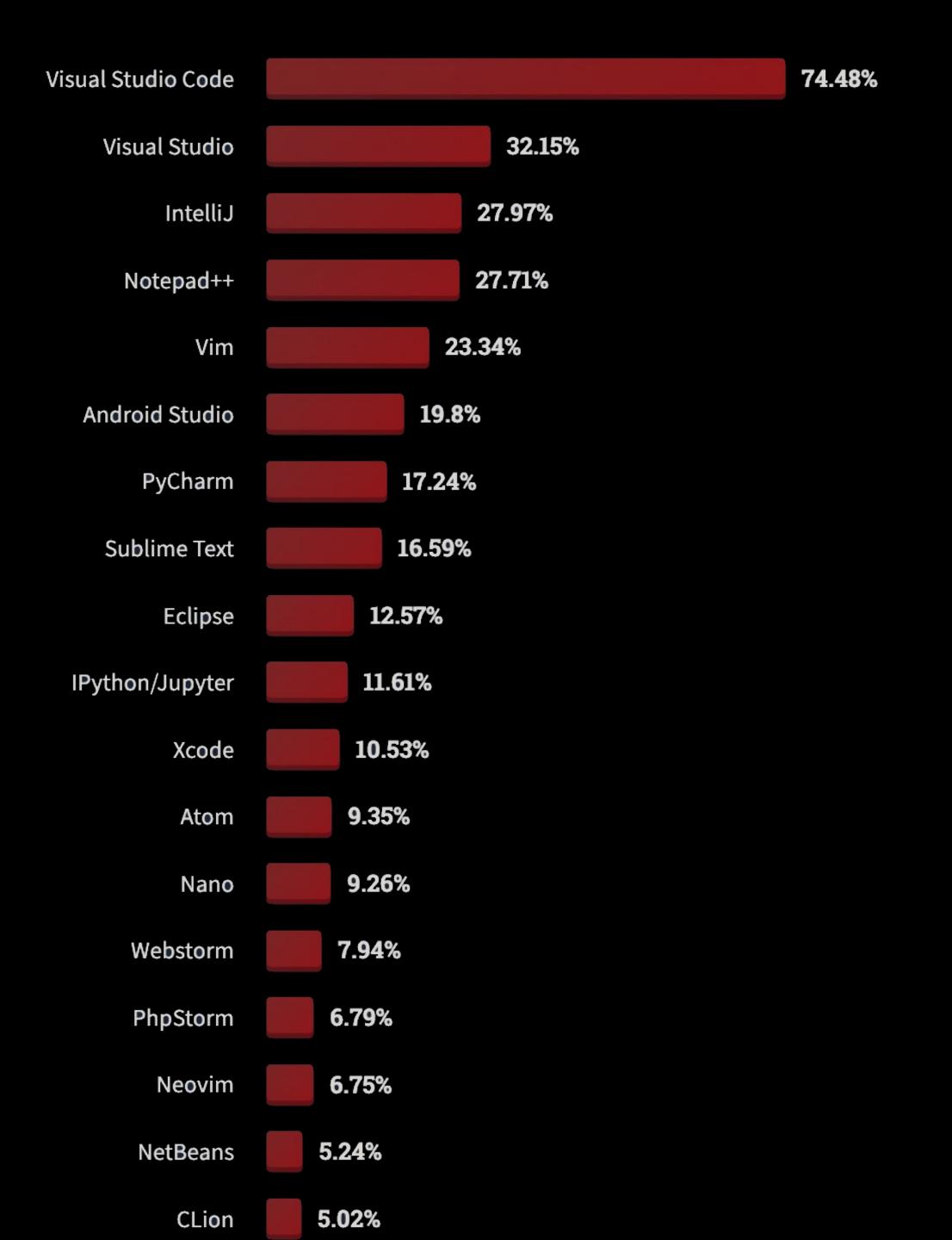




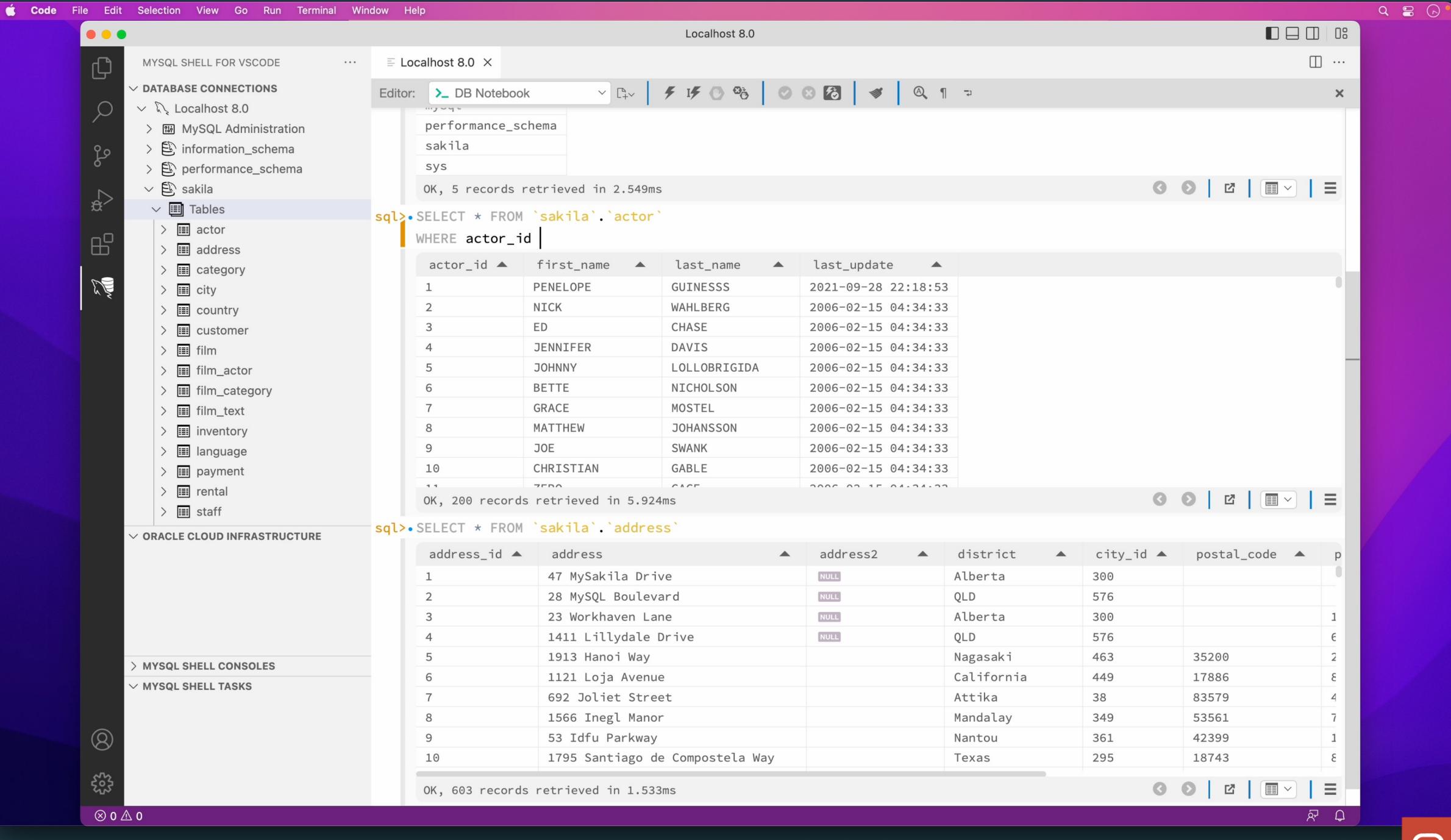
Kenny Gryp

MySQL Product Manager Oracle



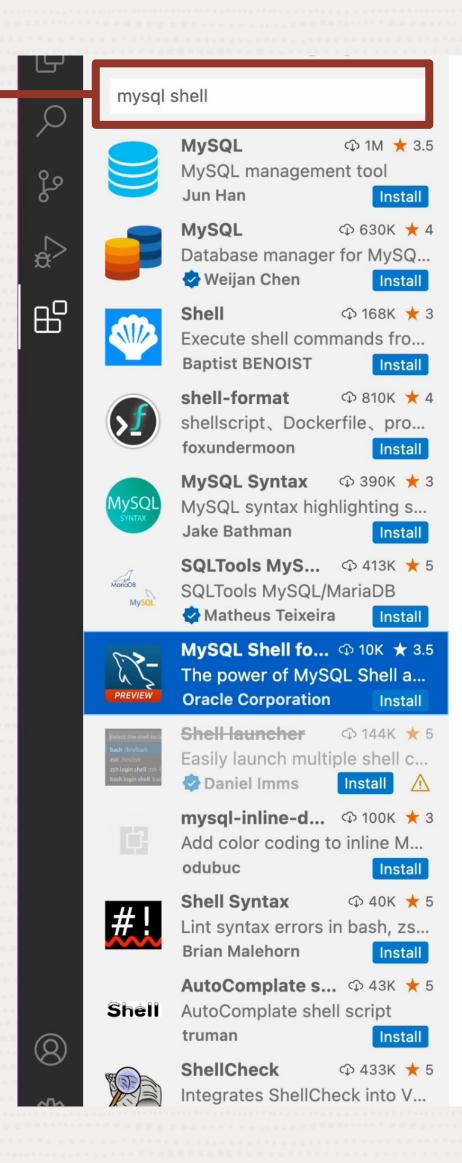


"In the Stack Overflow 2022 Developer Survey, Visual Studio Code was ranked the most popular developer environment tool, with 74% of 71,000 respondents reporting that they use it."



Extension Installation

Install - MySQL Shell for VSCode directly in Marketplace

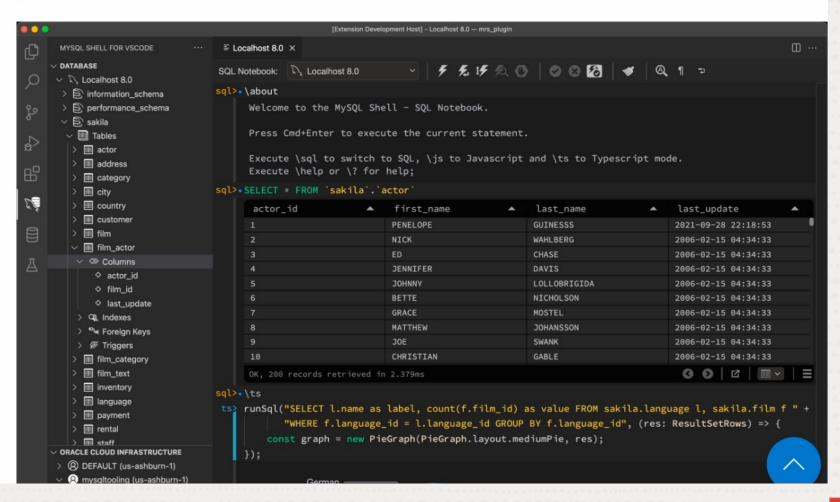




MySQL Shell for VS Code 1.4.1+8.0.30 Preview

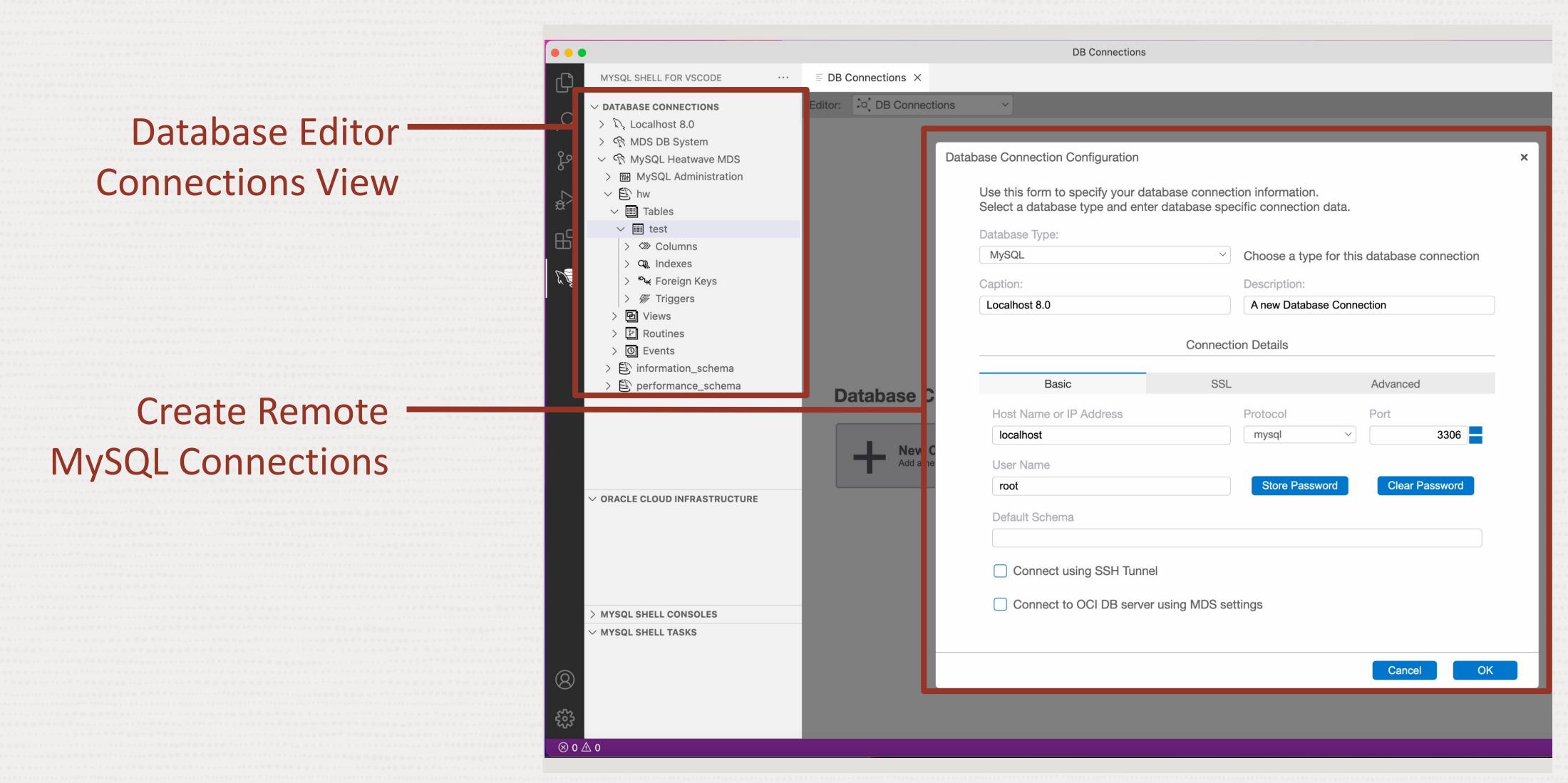
This extension enables interactive editing and execution of SQL for MySQL Databases and the MySQL Database Service. It integrates the MySQL Shell directly into VS Code development workflows.

IMPORTANT: Please note that this is a PREVIEW release which is not meant to be used in production.





Adding DB Connections





SQL Notebook Interface

□ Localhost 8.0 ×

Write, Execute, Edit, Execute within Notebook

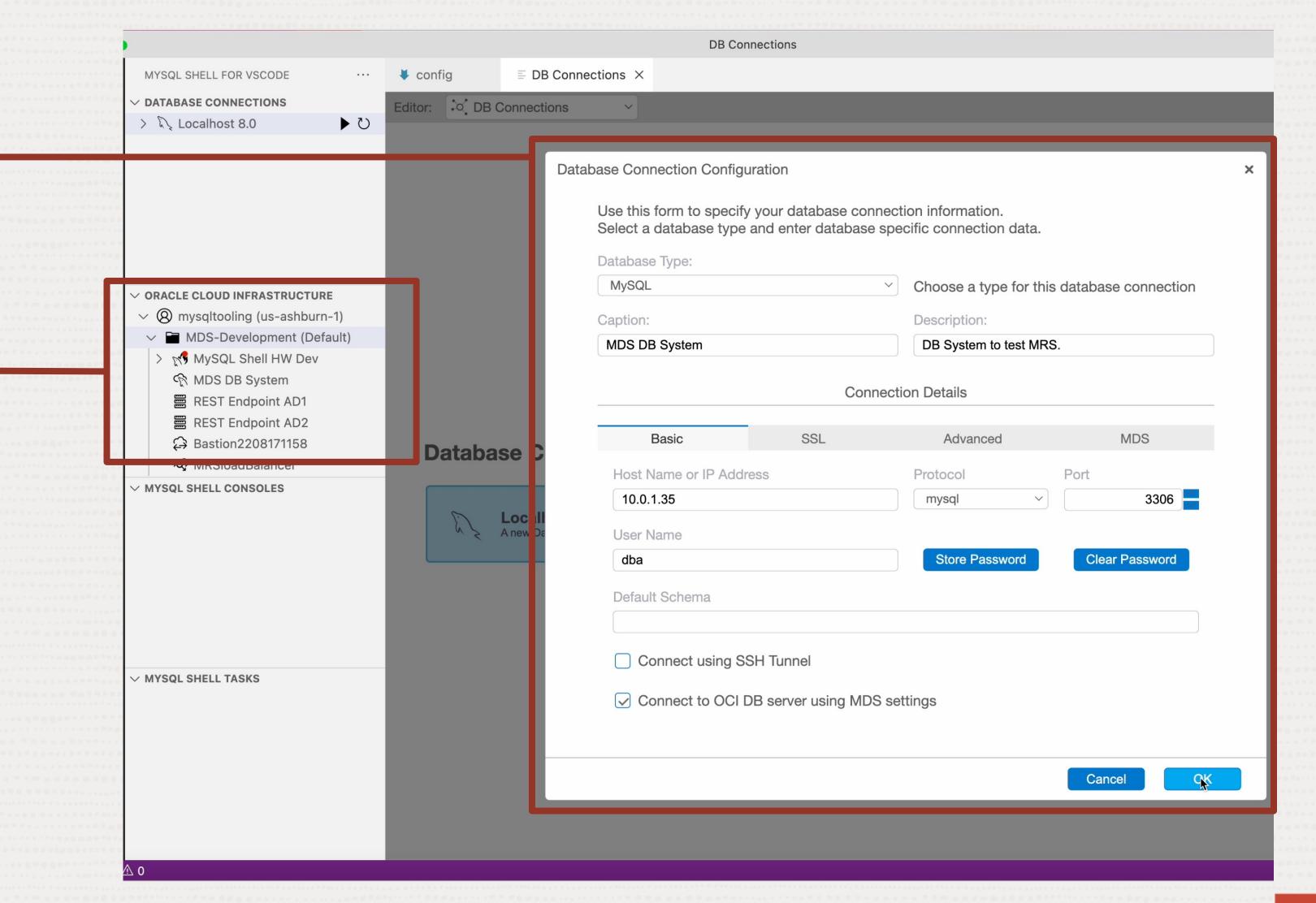
∅ ¶ ¬ Editor: > DB Notebook OK, 5 records retrieved in 2,549 sql>•SELECT * FROM `sakila`.`actor` WHERE actor_id > 35 actor_id ▲ last_name first_name 🔺 last_update DUKAKIS 2006-02-15 04:34:33 **BOLGER** 2006-02-15 04:34:33 MCKELLEN 2006-02-15 04:34:33 39 BRODY GOLDIE 2006-02-15 04:34:33 JOHNNY CAGE 2006-02-15 04:34:33 JODIE **DEGENERES** 2006-02-15 04:34:33 2006-02-15 04:34:33 MIRANDA 43 KIRK JOVOVICH 2006-02-15 04:34:33 NICK STALLONE 2006-02-15 04:34:33 REESE KILMER 2006-02-15 04:34:33 COLDDEDO 2000 02 15 04.24.22 **3 2 2** OK, 165 records retrieved in 1.179ms sql>•SELECT * FROM `sakila`.`address` ▲ city_id ▲ address_id ▲ address ▲ address2 ▲ district postal_code 🔺 Alberta 47 MySakila Drive NULL 300 576 28 MySQL Boulevard 23 Workhaven Lane NULL Alberta 300 1 1411 Lillydale Drive QLD NULL 576 1913 Hanoi Way 35200 2 Nagasaki 3 California 449 17886 1121 Loja Avenue 692 Joliet Street Attika 38 83579 4 1566 Inegl Manor Mandalay 349 53561 42399 53 Idfu Parkway 361 1 Nantou 10 1795 Santiago de Compostela Way 295 18743 Texas OK, 603 records retrieved in 1.533ms sql>• \ts Switched to TypeScript mode r", (res) => {|}) runSql("SELECT * FROM sakila.act

TypeScript (JS & py Support)

OCI MySQL HeatWave

Connect Directly to
DBSystem via
OCI Bastion Service

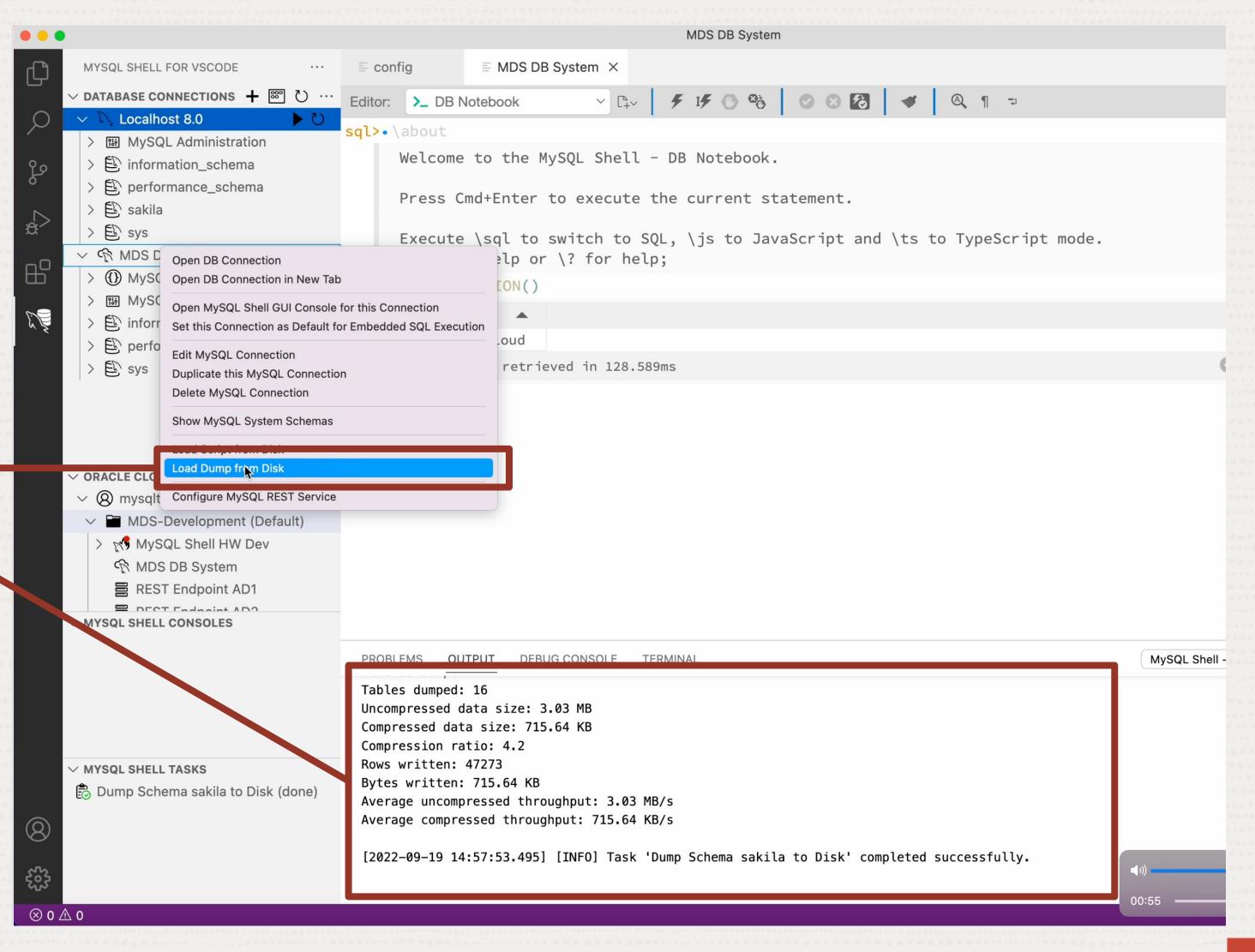
Access OCI MySQL Infrastructure





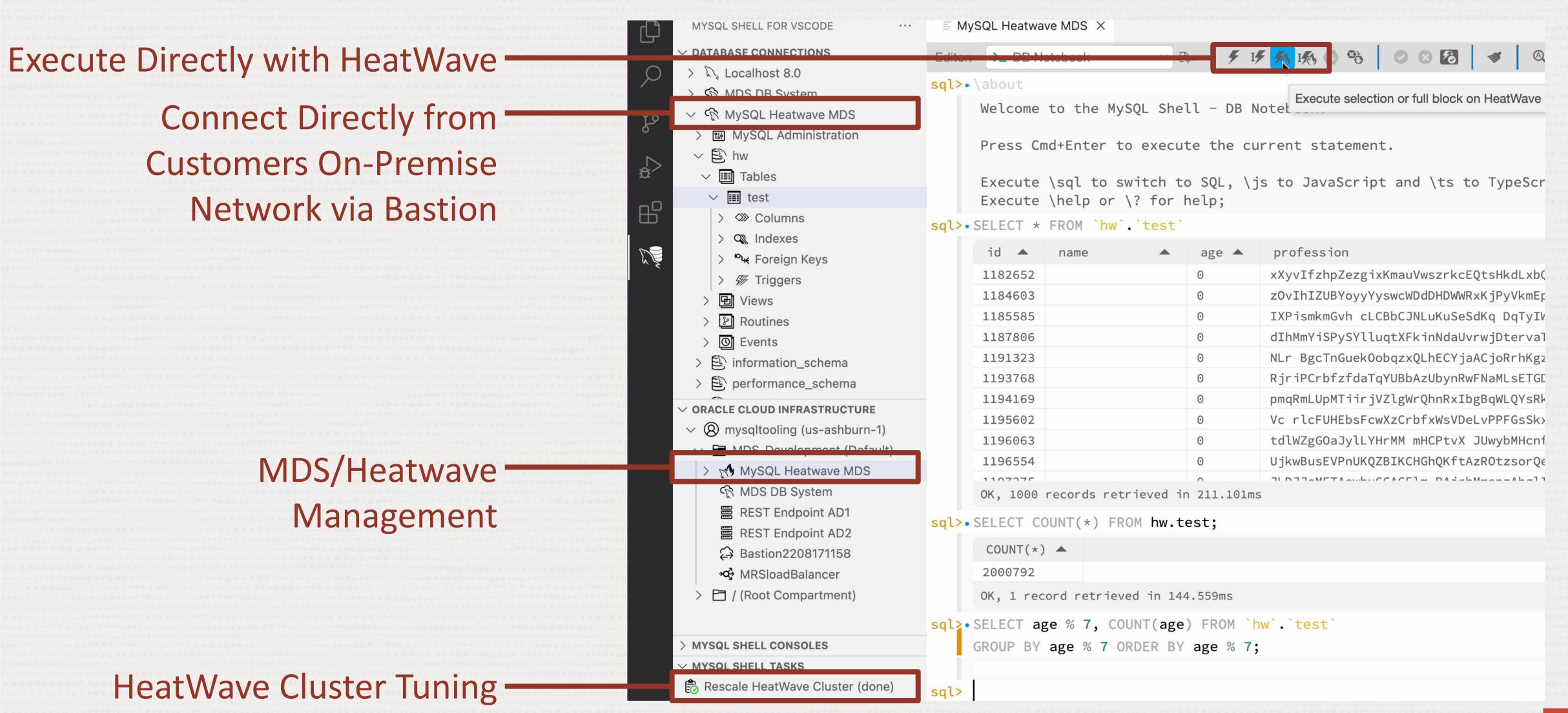
Lift and Shift

MySQL Shell Dump & Load Within VS Code T

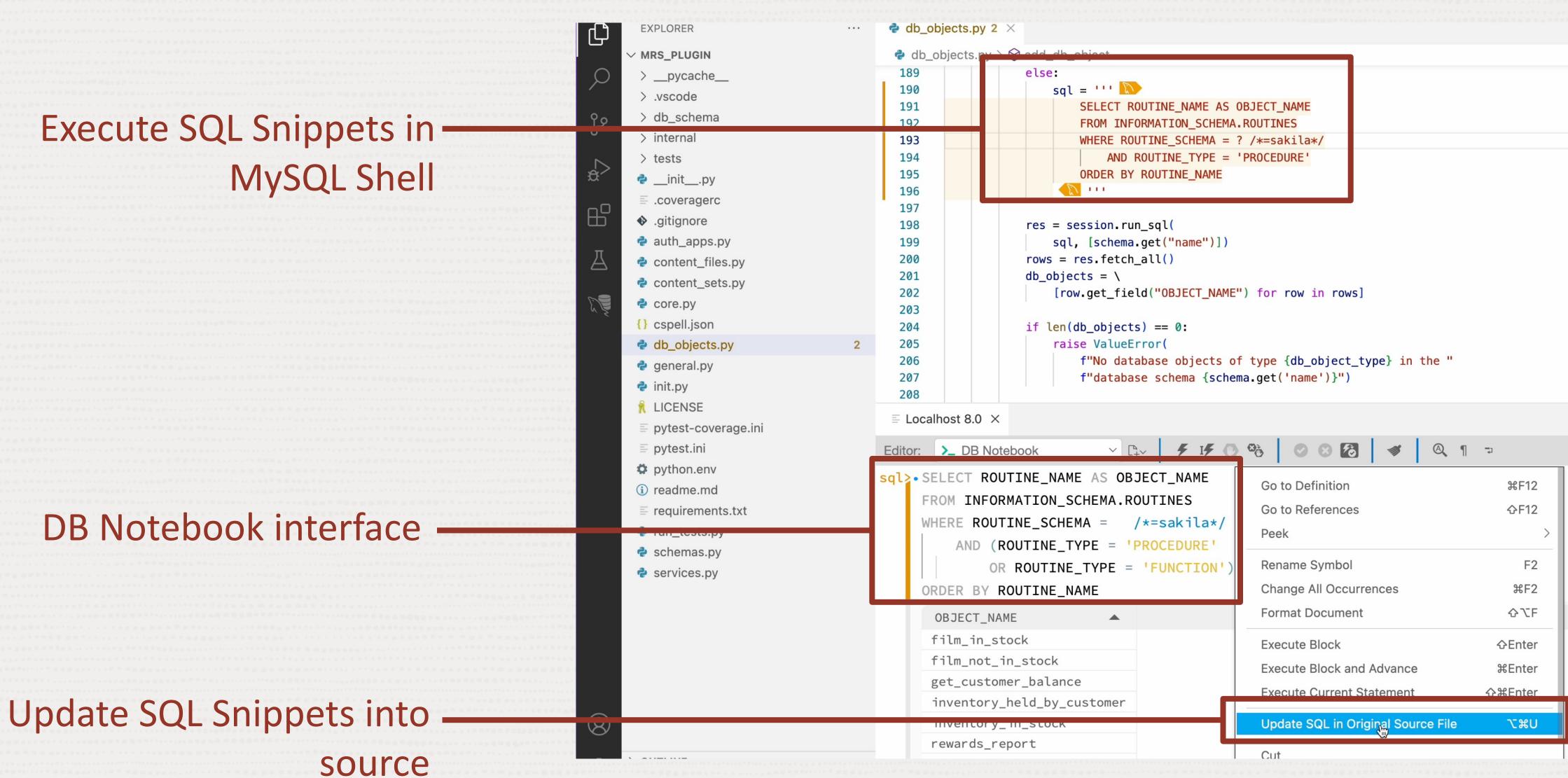




Integration MySQL HeatWave for OLAP



Executing Embedded SQL

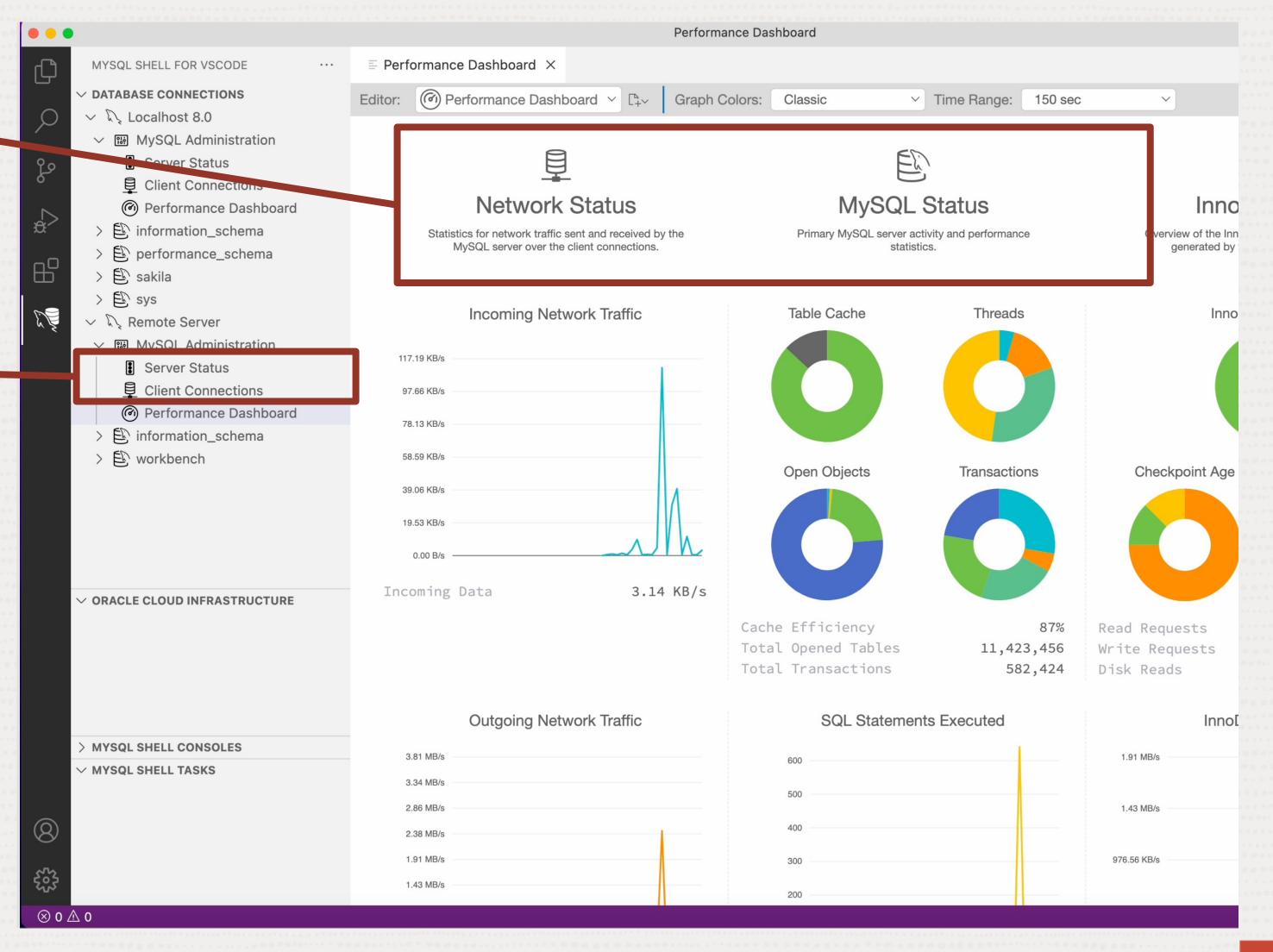




MySQL Administration

MySQL Performance Metrics -

Quick overview of Server Status





MySQL REST Service

Fast, Secure HTTPS Access for your MySQL Data

RESTful Web Services

- Auto REST for tables, views and procedures
- {JSON} responses
- Paged results
- Developer support (GUI, CLI, API)

MySQL Shell for VS Code

- GUI frontend for MRS management
- RESTful Web Service creation
- Interactive documentation
- CLI & scripting support

Built in User Management

- Support for popular OAuth2 services
- Use Role, Group & Hierarchy Management
- User management GUI
- CLI & scripting support



MySQL REST Service

Manage REST Service \

Create REST Objects by mapping them to database objects

