Efficient Data Handling Techniques in Python for Oracle Database

Christopher Jones
christopher.jones@oracle.com
@ghrd
blogs.oracle.com/opal

Data Access Development
Oracle Database
## Language Support for Oracle Database

### Oracle Open Source Drivers
- Python - cx_Oracle
- Node.js - node-oracledb
- Go - godror
- Julia - Oracle.jl
- Rust - rust-oracle
- Erlang - oranif
- Python - cx_Oracle

### Oracle Proprietary Drivers
- PHP - OCI8
- Ruby - rOracle
- Perl - DBD::Oracle

### Third Party Open Source Drivers
- JDBC Thin
- Managed ODP.NET
- Unmanaged ODP.NET
- Oracle Call Interface (OCI) C Language API
  - Typically from Oracle Instant Client ZIPs or RPMs
  - Unmanaged ODP.NET
  - Managed ODP.NET

Oracle maintains key driver APIs and works closely with driver communities.

---

Copyright © 2021 Oracle and/or its affiliates / christopher.jones@oracle.com / @ghrd
**cx_Oracle**
Python Database API compliant* interface

---

Copyright © 2021 Oracle and/or its affiliates / christopher.jones@oracle.com / @ghrd
Demo
Mail: christopher.jones@oracle.com
Twitter: @ghrd
Blog: blogs.oracle.com/opal
cx_Oracle: oracle.github.io/python-cx_Oracle