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Howdy, I'm **Blaine Carter**

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Leveraging Open Source for Oracle Database Development

The Logger Story

An open source PL/SQL logging and debugging framework

Blaine Carter

Open source? Not in my database!



Is “open source” the actual concern?

- Outside code
 - It’s easier to trust code you can read and modify.
- License
 - Open source - code you **can** read + a license
 - Closed source - code you **can’t** read + a license
- Trust but verify

Software we'll be using

- SQL Developer
- Oracle Cloud Database or Virtual Box
- Logger - <https://github.com/OraOpenSource/Logger>
- DinoDate

Code Examples

- PL/SQL

DinoDate



Why do we need Logger?

- Debugging: It's often difficult to track down the source of an error without some form of debugging instrumentation. This is particularly true in multi-tier, stateless architectures such as Application Express.
- Error Logging: While most experts agree that it's important not to mask errors, it's also nice to have a persistent record of them.
- Timing: Logger has a very simple timing framework built-in that makes it easy to benchmark sections of code.
- Instrumentation: Because it's easy to "turn-off" logger globally with virtually no performance impact, it's easy to get in the habit of leaving debug calls in production code. Now, when something does go wrong, you simply flip the switch and logger is enabled making it much quicker to debug errors.

Install

Download - <https://github.com/OraOpenSource/Logger/tree/master/releases>

Install - <https://github.com/OraOpenSource/Logger/blob/master/docs/Installation.md>

Log Levels

Level	Actionable	Target Audience	~%Reference
Debug	No	Developers	90%
Information	No	Developers/Business	1%
Warning	Yes	Developers/Business	1%
Error	Yes	Developers/IT/DBA	5%
Permanent	No	Developers/Business	0.5%

We can make it better

- Github
 - Repo
 - Fork
 - Change
 - Pull Request
 - Not just code
- <https://github.com/OraOpenSource/Logger/blob/master/LICENSE>
- <https://github.com/OraOpenSource/Logger/issues>
- <https://github.com/OraOpenSource/Logger/pulls>

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