A PRESENTATION ON

IDENTIFYING NON-COMPLIANT QUERIES USING D.A.M. TOOLS

By
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Databases are everywhere
Their **Security** is a **Prime Concern**
Current Enterprise databases like Oracle 11g and IBM DB2 have inbuilt security features.
But a protective layer around and outside the database is always important.
DAM Tools provide this type of security.
INTRODUCTION

- What inbuilt Security features do Enterprise databases have?
- So, why the outer layer of security?
- What are the Database Activity Monitoring tools in the Market?
WHY GREENSQL?

- It's an open source tool (Express edition)
- Very easy to install & configure.
- It was designed for MySQL. (Also supports MS SQL Server and PostgreSQL)
- Simple & Clean GUI for control
- Super light-weight on the database
- Has advanced features to perform masking, auditing and caching
THE REGULAR DATABASE INFRASTRUCTURE
THE GREENSQL DATABASE INFRASTRUCTURE
THE WHOLE IDEA

- Users connect to databases using various applications.
- Instead of allowing users to directly connect to the DB, make them connect to a REVERSE PROXY DB.
- A Reverse Proxy DB essentially looks like a database to a user but is not what it appears to be.
THE PROJECT

- Using MySQL as the database.
- An arbitrary number of users exist classified as developers, testers and Support.
- Each of them must have different privileges on the database and the tables and schemas in them.
- This is enforced externally and securely without affecting the database.
WHAT MORE CAN GREENSQL DO?

- Preventing SQL injection attacks.
- Provide real time alerts.
- As it is rule based, it can develop intelligence on its own using the Learning and IPS modes.
- Facilitate in compliance of SOX and PCIDSS standards.
- Reduce intranet bandwidth consumption. (How?? By Caching)
- Masking data in real time and thus providing data integrity and Separation of Duties.
A Difference of 2% to 7% depending on the number of requests.
THANK YOU!!