

SQL – IMS (Info, URT, GSD, SLA & Backup)

It is not a matter of predicting the future, but of being prepared for it.

Pericles

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■ APPLICATIONS & REFERENCES

SQL-IMS (currently Version3.x) was designed to provide internal security of IT system, because external attacks are difficult to control due to their variability. **Based on STRIDE**

- Spoofing (Takeover identity)
- Tampering (harming data)
- Repudiation (I didn't buy this!)
- Info disclosure (confidential)
- Denial of service (service „blocked“)
- Elevation of privilege (Authorisation)

use of tools to secure the

- data in files, contents of databases
- IIS, Tomcat-Apache Systems
- access authorization for systems

is a must for every responsibly thinking IT persons in charge and enterprisers, because the effects (such as Sony in May 2011) on company's reputation, as well as costs (such as compensations) may be very serious.

SQL-IMS is used in IBM Switzerland and Austria for more than 400 systems used in Banks & Insurance companies.

■ INFO & MONITORING MODULE

Historical data acquired by monitoring (we use PRTG by Paessler®)



Info module collects the data (e.g. databases, AD, LDAP) and displays them on web interface for further analysis.

■ URT & GSD MODULE

User Registration Tool (URT) allows to create a summary providing information, which user has authorization for specific systems, checks changes in relation to forerun, active users,... In case of security analysis (GSD), the up-to-datedness of software is checked; it is also possible to realize targeted integration and evaluation of queries focused on weaknesses (Example: MS SQL, sa-User with empty password). Results are provided in form of web based report.

■ SLA & BACKUP MODULE

Based on monitoring, the SQL-IMS knows all values relevant for SLA Evaluation. Web based configuration enables to generate an evaluation in defined time intervals (ca. 1 min -> 15 sec).

The backup system uses the possibilities of OS, or DB. It combines the options with a configurable logic to provide Backup & Recovery plans (when, how often & completed?).

■ LINKAGE TO TICKET SYSTEMS

Integration of various interfaces allows use of SQL-IMS to operate a ticket system (such as TIVOLI, ARS)

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