Abstract

Today, the internet has become a 4th necessity for human after air, water and food. The internet is widely used for business. Now-a-days, billions of transactions are done online with the use of different applications. In today’s world threats to security is becoming more and more sensitive issue, lots of attacks have taken place in recent years. It is observed that there are many leakages in the security of web applications. Five attacks out of top ten attacks are done using Structured Query Language (SQL). Database attacks mostly affect on Data Theft, Data manipulation and by Pass user authentication. Our study focus is to prevent sensitive data exposure. The authors have proposed dynamic database security policy to prevent sensitive data exposure using Oracle database.

References

- Lianzhong Liu and Jingfen Gai, &quot;A New Lightweight Database Encryption Scheme Transparent to Applications&quot;, 6th IEEE International Conference on Industrial Informatics, 13-16 July 2008, pp. 135-140.
Index Terms

Computer Science

Security

Keywords

SQL  SQL Injection  Database theft  Sensitive Data exposure  Security policy