Abstract

In the present information age, Conventional data masking solutions perform Static Data Masking, where the obfuscated values are physically stored in the database. For obvious reasons, Data Masking has been limited to Development and QA environments. Now, for the first time, organizations/enterprises production environments can be dynamically masked without enhancing existing applications and building new security layers. By enhancing the existing application security with Dynamic Data Masking security layer, which enables the application of various security actions, includes masking, hiding or blocking incoming requests. Dynamic Data masking is an effective strategy in reducing the risk of data exposure to insiders and outsiders in organizations and is a best practice for securing production databases. Dynamic data masking is the process of masking specific data elements, Ascend without touching applications or physical production databases. This paper will help data security developers and analysts in securing production data effectively.
A Study on Dynamic Data Masking with its Trends and Implications

Index Terms

Computer Science  
Information Sciences

Keywords

Data masking  ETL  Mapping  Replacement technique.