

سلوكية قواعد البيانات في الحفاظ على امنية البيانات المخزنة

Abstract

Obviously, For control and protect Database, security and confidential its an important procedures in the new century life whenever there is more hackers media for entering on the data in the network .

And the security increase when important data increase , and there are more methods and security medias helps to keep confidential Data and coding it in an method that verify Database security confidential .

As we Know for each company there is an special policy to protect it from destroying it associated with type and size the data .

Adding to the hand that its work on that data and the information state associated with Database building .

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[1]

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:database Administrator

"Database administrator" (DBA)

[2]

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. Data Definition language (DDL)

Storage structure &access-method definition

Schema and physical-organization modification :

:granting of authorization for data access :

(consult)

:Routine maintenance

-:

periodically backing up the database

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[3]

(Oracle)

[4] 'REMOTE_OS_AUTHENT'

(Commerce

Bank)

(Scarborough &

Tweed)

(Website

defacement)

[9]

(server)

Mysql Oracle

Injections

Mysql

[5]

Select user WHERE name = '(name)' AND password = '(pass hashed)';
abcd xxxx

SELECT user WHERE name = 'abcd' AND password = '900163f7d28e17f72';

:

:

" or 1=1" password
SELECT user WHERE name = 'xxxx' AND password = '' OR 1=1 --
= xxxxx

=

=

--

SELECT user WHERE name = 'xxxx' AND password = '' OR 1=1 --

SELECT user WHERE name = 'xxxx' AND password = '' OR 1=1

:
(=)

[10].

()

-:

:(data Integrity)

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:(data Availability):

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(ICMP)

Ping

-

-

Shift.

"Access "

:

:

() .

(Fire wall)

:(Availability)

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