



## Database Admission Control

### Product Overview

Oracle database admission control (dbac™) is analogous to NAC (Network Admission Control) commonly implemented at the Network Router level to identify and quarantine new hardware systems, till they are thoroughly scanned for vulnerabilities.

### Instance Admission Control

dbac™ similarly, will detect new Oracle database instances, in the domain (range of IP addresses of an enterprise), seamlessly, quarantines it, and also scans for instance, user, data, schema, and OS vulnerabilities. Then it is placed for use in the enterprise, if it passes the scanning.

This product is based on the premise that your data base, may have very critical/confidential data like SSN, Credit Card info etc, and so the schema/meta data have to be checked before allowing users access to it, to prevent malicious users accessing confidential data.

Once dbac™ detects new Oracle instances, it immediately notifies DBA/CEO/CSO by e-mail alerts, on detecting of new Oracle instances, quarantine status etc.

### Logical DB Vulnerabilities

dbac™ performs penetration testing and root kit methods for Oracle to identify the possible vulnerabilities. It checks every oracle user to find out whether they have vulnerable Oracle privileges to exploit the system. dbac™ continuously monitor on usage of default user's password and using password same as user name. It identifies the hidden oracle users who are not listed in DBA\_USERS view, identifies the hidden Oracle jobs and guards your database from retrieval of confidential information, etc.

### Physical DB Vulnerabilities

dbac™ checks Oracle home directory file permission, database file permission, control file permission and log file permission to protect your database from accidental deletion, overwriting of a part or full files by the users.

In an Oracle instance dbac™ checks whether the redo log files are multiplexed and stored in different locations by which it ensures the accidental loss and corruption of your highly valuable database and ensures adequate performance level.

### Key Features

- Automatically identifies new oracle instances
- Quarantines new instances till it are safe for use by db users.
- Scans while in Quarantine mode, Oracle instance for all vulnerabilities.
- Similar to NAC (Network Admission Control)
- Protects enterprise data and users against unprotected enterprise data
- Performs Penetration testing and other atomic checks for many critical vulnerabilities such as
  - Password Strength
  - Identifies hidden oracle users and jobs
  - Check for world writ able Oracle binary files
  - Checks the file permission of log files, controls files and dbf files
  - Checks for multiplexed redo log files and its file locations.



### Protecting Data – unique approach

dbac™ database admission control is developed considering the high risk your precious data may have, from hacking and protect it from accidental deletion or overwriting by the users.

So before the database is accessible by users, it should be checked for its security. This product tries to protect your data, and schema, before it is used, rather than protecting against vulnerabilities, after it is already exposed to risks.

### About perfSYSTEMS Inc,

Perfsystems is specialized in customized software development of Database security and performance products. Our innovative products helps all types organizations to feel more secure from database threats by which ultimately increase their confidence level. Our well-experienced Technical and Marketing team works round the clock to deliver state-of-the-art products to guard your applications and minimize the risk level to the maximum extend.

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### Summary

Database Admission Control dbac™, the most useful tool for security officers and auditors to identify the potential vulnerabilities in the system. It can be installed very easily and can be executed much faster.

### Authorized Resellers



**ASAP Solutions Pvt. Ltd.,**  
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**Ballakur Consulting and Training,**  
Andover Mass, USA