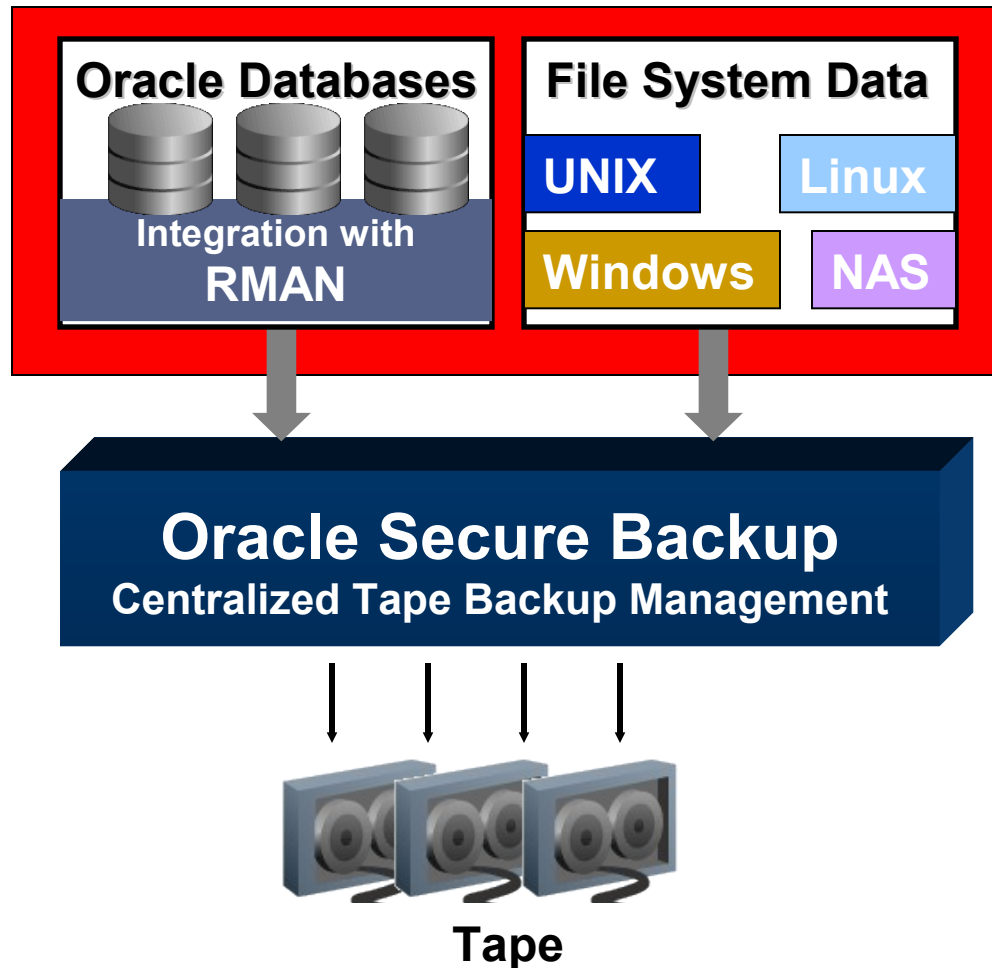


**ORACLE®**

# Oracle mentési stratégiája: Secure Backup és RMAN

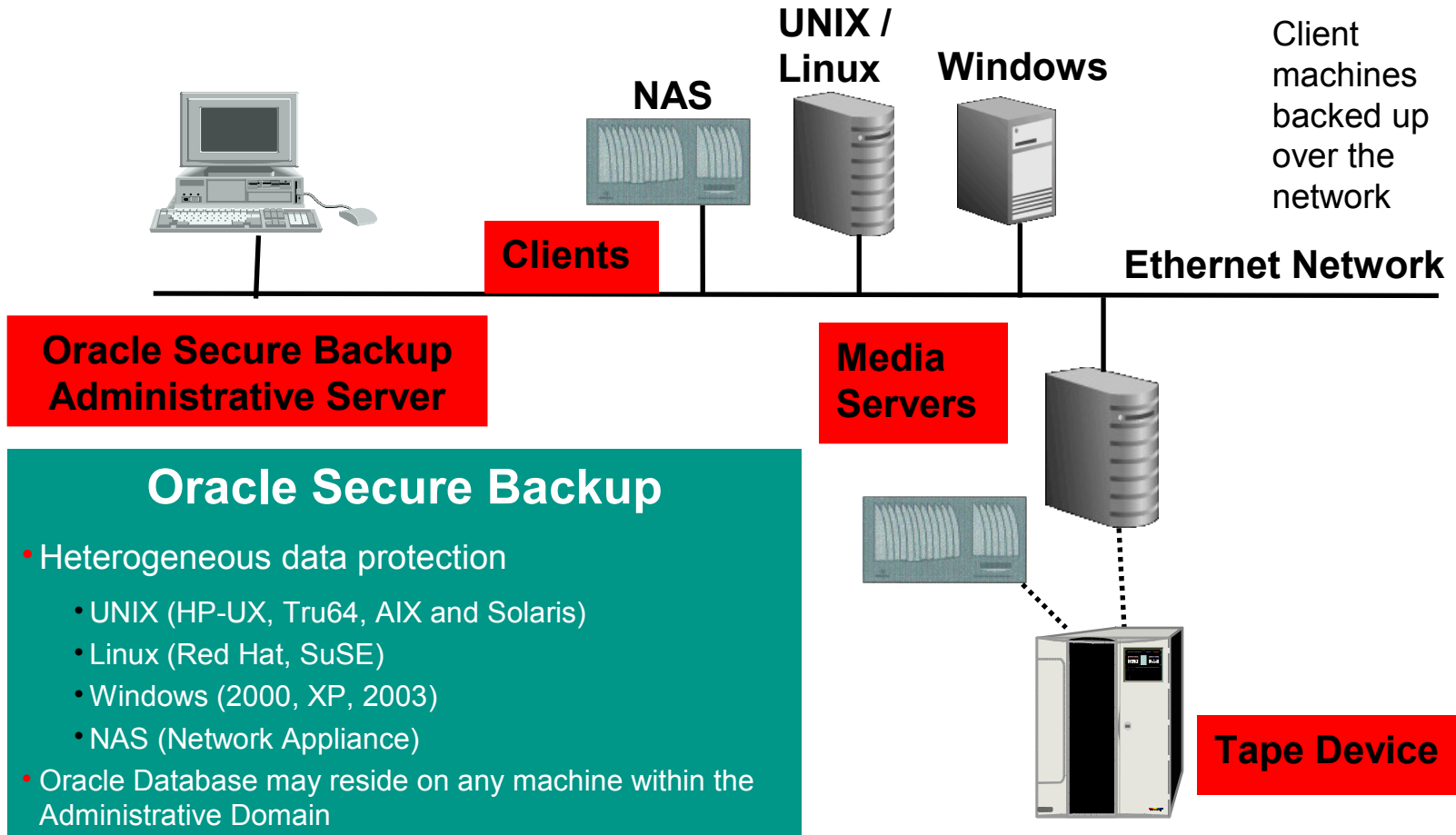
Mosolygó Ferenc  
vezető technológiai tanácsadó  
Oracle Hungary Kft.

# Oracle Secure Backup: Szalagos mentés menedzsment

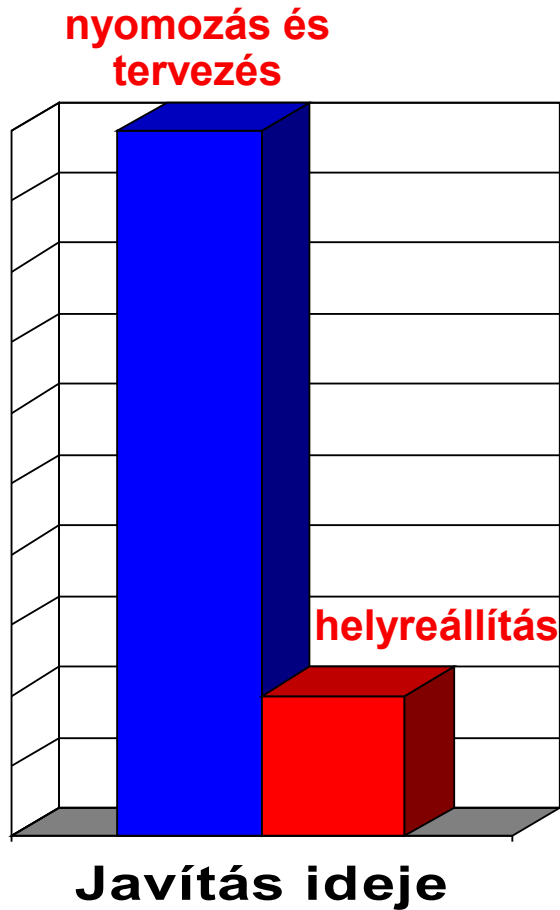


- ☒ Legmagasabb szintű szalagos védelem **legalacsonyabb költségen!**
- ☒ Leggyorsabb és legjobban integrált szalagos mentés Oracle adatbázisok számára
  - Recovery Manager (RMAN) integráció
  - Enterprise Manager (EM) integráció
- ☒ Maximális biztonsági lehetőségek
- ☒ Ingyenes változat (korlátozott képességekkel) Secure Backup Express

# Központosított Mentés:



# Data Recovery Advisor



- Oracle adathelyreállítási eszközök:
  - ✓ RMAN – fizikai média elveszése  
korrupciója
  - ✓ Flashback – logikai hibák
  - ✓ Data Guard – fizikai és logikai hibák
- A probléma azonosítása és a legjobb megoldás kiválasztása időigényes és nagy a tévedés esélye

# RMAN gyorstalpaló

1/3

```
$ rman TARGET / CATALOG rman/rman@//host_name/service_name
```

```
RMAN> REGISTER DATABASE;
```

```
database registered in recovery catalog
```

```
starting full resync of recovery catalog
```

```
full resync complete
```

```
RMAN> configure DEFAULT DEVICE TYPE TO SBT;
```

new RMAN configuration parameters:

# RMAN gyorstalpaló

## 2/3

Mentés példányok száma: 3

```
RMAN> CONFIGURE RETENTION POLICY TO REDUNDANCY 3;
```

, vagy

Legalább mennyi ideig őrizze meg: 1 hét

```
RMAN> CONFIGURE RETENTION POLICY TO RECOVERY WINDOW OF 7 DAYS;
```

Ha nem változott ne mentse a file-t:

```
RMAN> CONFIGURE BACKUP OPTIMIZATION ON;
```

Mindig mentse a control file-t is:

```
RMAN> CONFIGURE CONTROLFILE AUTOBACKUP ON;
```

# RMAN gyorstalpaló

## 3/3

Archiv log-okat szalagra mentse:

```
RMAN> CONFIGURE RETENTION POLICY TO REDUNDANCY 3;
```

Secure Backup kliems konfiguráció:

```
$mkhost --access ob --role client --ip 10.172.212.111 ovm111
```

```
$mkuser ovm111_sb --class oracle --password "ovm111_sb" --unixname
```

```
oracle --unixgroup 'oinstall' --preauth ovm111:oracle+rman+cmdline
```

```
--email admin@mail.com
```

Start backup:

# Recovery Advisor 11g

## 1/4

```
$rm demo.dbf
```

```
RMAN> LIST FAILURE;
```

```
List of Database Failures
```

```
=====
```

```
Failure ID Priority Status Time Detected Summary
```

```
-----
```

```
3502 HIGH OPEN 19-MAR-08 One or more non-system
```

```
datafiles are missing
```

# Recovery Advisor 11g

## 2/4

```
RMAN> ADVISE FAILURE 3502;
```

```
List of Database Failures
```

```
=====
```

| Failure ID | Priority | Status | Time Detected | Summary                |
|------------|----------|--------|---------------|------------------------|
| 3502       | HIGH     | OPEN   | 19-MAR-08     | One or more non-system |

```
datafiles are missing
```

```
analyzing automatic repair options; this may take some time
```

```
using channel ORA_DISK_1
```

# Recovery Advisor 11g

## 3/4

### Mandatory Manual Actions

=====

no manual actions available

### Optional Manual Actions

=====

1. If file /home/oracle/db/dbs/demo.dbf was unintentionally renamed or moved, restore it

### Automated Repair Options

=====

Option Repair Description

# Recovery Advisor 11g

## 4/4

```
$cat reco_512577361.hm file
```

```
# restore and recover datafile
```

```
sql 'alter database datafile 5 offline';
```

```
restore datafile 5;
```

```
recover datafile 5;
```

```
sql 'alter database datafile 5 online';
```

# Administrative Management Enterprise Manager

- Device and Media Home Page
- Drill-down for Details

ORACLE Enterprise Manager 10g Database Control

Administrative Server: tdsybi01.oracleleads.com

## Oracle Secure Backup Device and Media

Oracle Secure Backup provides device and media management capabilities. Server home page to view information about managed resources and

### General

Status In Service  
 Host [tdsybi01.oracleleads.com](http://tdsybi01.oracleleads.com)  
 Settings [Edit](#)

### Devices

View [All Devices](#) Problem Devices: 0 Active Devices: 0 Total Devices: 4

[Expand All](#) | [Collapse All](#)

| Name      | Type              | Slot Number | Status | State | Maintenance   | Media Server | Vendor      | Firmware |
|-----------|-------------------|-------------|--------|-------|---------------|--------------|-------------|----------|
| ▼ Devices |                   |             |        |       |               |              |             |          |
| ▼ vlibobk | library (virtual) |             |        | idle  |               | tdsybi01     | Oracle VL-1 | 2.0      |
| vtobk1    | tape (virtual)    | 1           |        | idle  | none required | tdsybi01     | Oracle VT-1 | 1.0      |
| vtobk2    | tape (virtual)    | 2           |        | idle  | none required | tdsybi01     | Oracle VT-1 | 1.0      |
| vtobk3    | tape (virtual)    | 3           |        | idle  | none required | tdsybi01     | Oracle VT-1 | 1.0      |

ORACLE Enterprise Manager 10g Database Control

Administrative Server: tdsybi01.oracleleads.com > Volumes

## Volumes

A volume is a single unit of media, such as an SDLT tape. Choose a filter and value, then press Go. You may select individual volumes and view the backup sections they contain. Page Refreshed Aug 24, 2005 5:34:30 PM

Search

Filter By: [All](#) Go

Select a filter and enter text to search for.

### Results

| Select                           | Volume ID           | Sequence Number | Attribute | Media Family | Volume Set Creation Time | Closes | Expires                      | Space Remaining | Barcode                         |
|----------------------------------|---------------------|-----------------|-----------|--------------|--------------------------|--------|------------------------------|-----------------|---------------------------------|
| <input checked="" type="radio"/> | RMAN-DEFAULT-000001 | 1               | open      | RMAN-DEFAULT | 2005/08/18.19:54         | never  | never; content manages reuse | 12.7 GB         | c82fe66ced77102936b00065b8c96fe |
| <input type="radio"/>            | RMAN-DEFAULT-000002 | 1               | open      | RMAN-DEFAULT | 2005/08/18.23:30         | never  | never; content manages reuse | 12.8 GB         | c82b4058ed77102936b00065b8c96fe |
| <input type="radio"/>            | RMAN-DEFAULT-000003 | 1               | open      | RMAN-DEFAULT | 2005/08/18.23:30         | never  | never; content manages reuse | 12.8 GB         | c81b73bced77102936b00065b8c96fe |

TIP 'Expires' represents the time until the volume recycles.  
 TIP 'Closes' represents the time until no data may be written to the volume.

Media Servers 1  
 Media Families 1  
 Volumes [Details](#)  
 Devices [Manage](#)

# Pillanatok a Secure Backup é

**K** & **V**

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