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## Exadata & Oracle Secure Backup (OSB) Working Together for Azkar

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**12.000.000**  
**shipments / year**

**+ 3.000**  
**Employees**

A circular inset image showing a female employee in a blue uniform working at a workstation in a warehouse or office setting.

**1.500.000**  
**transactions / day**

**91**  
**Facilities**

A circular inset image showing the interior of a large warehouse with high ceilings, industrial shelving, and a yellow forklift.

**400 MM €**

**24 h company**  
**Pick-up today → Delivery**  
**tomorrow**

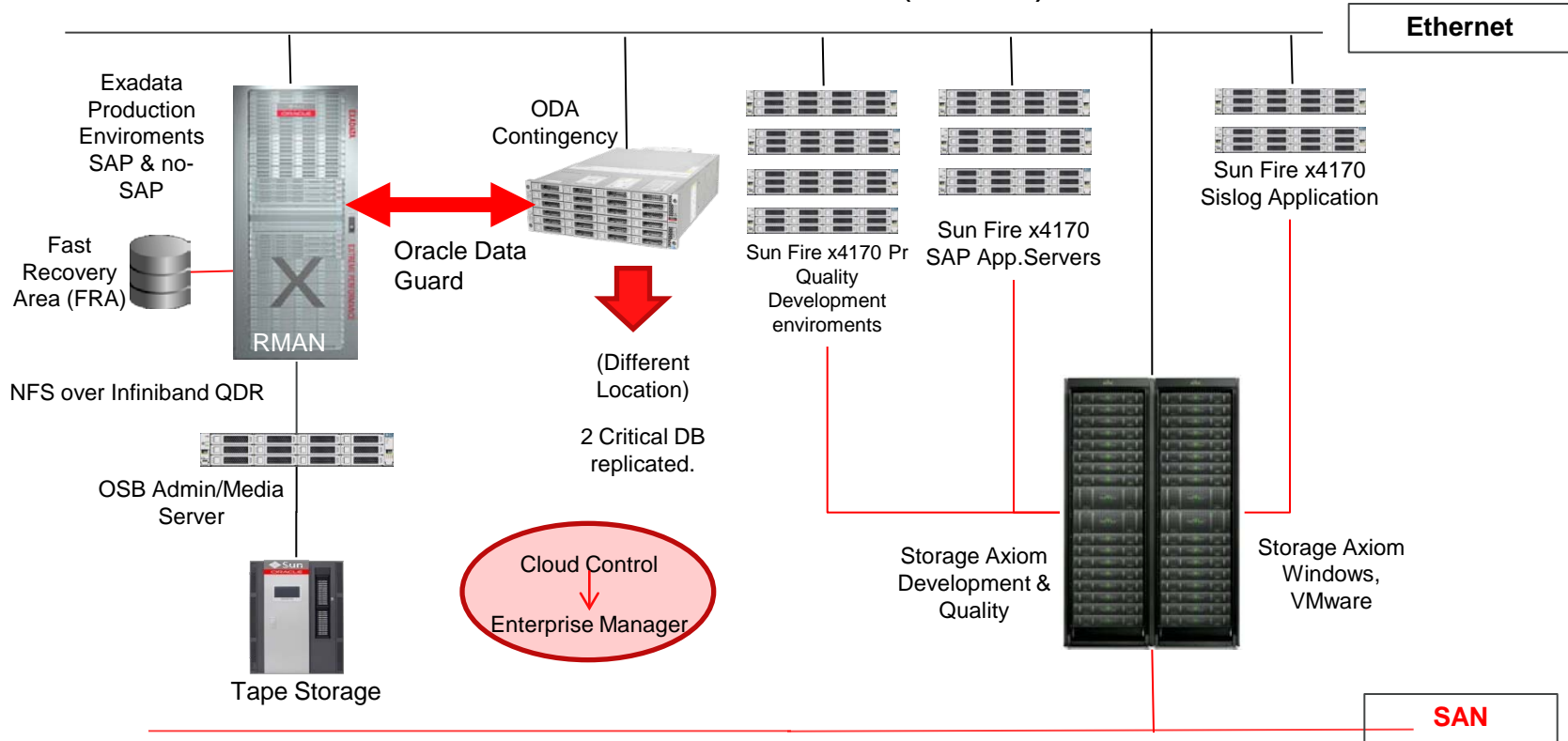
**+ 2.500**  
**Vehicles**

A circular inset image showing a blue truck with a yellow logo on its side, parked in an outdoor setting.

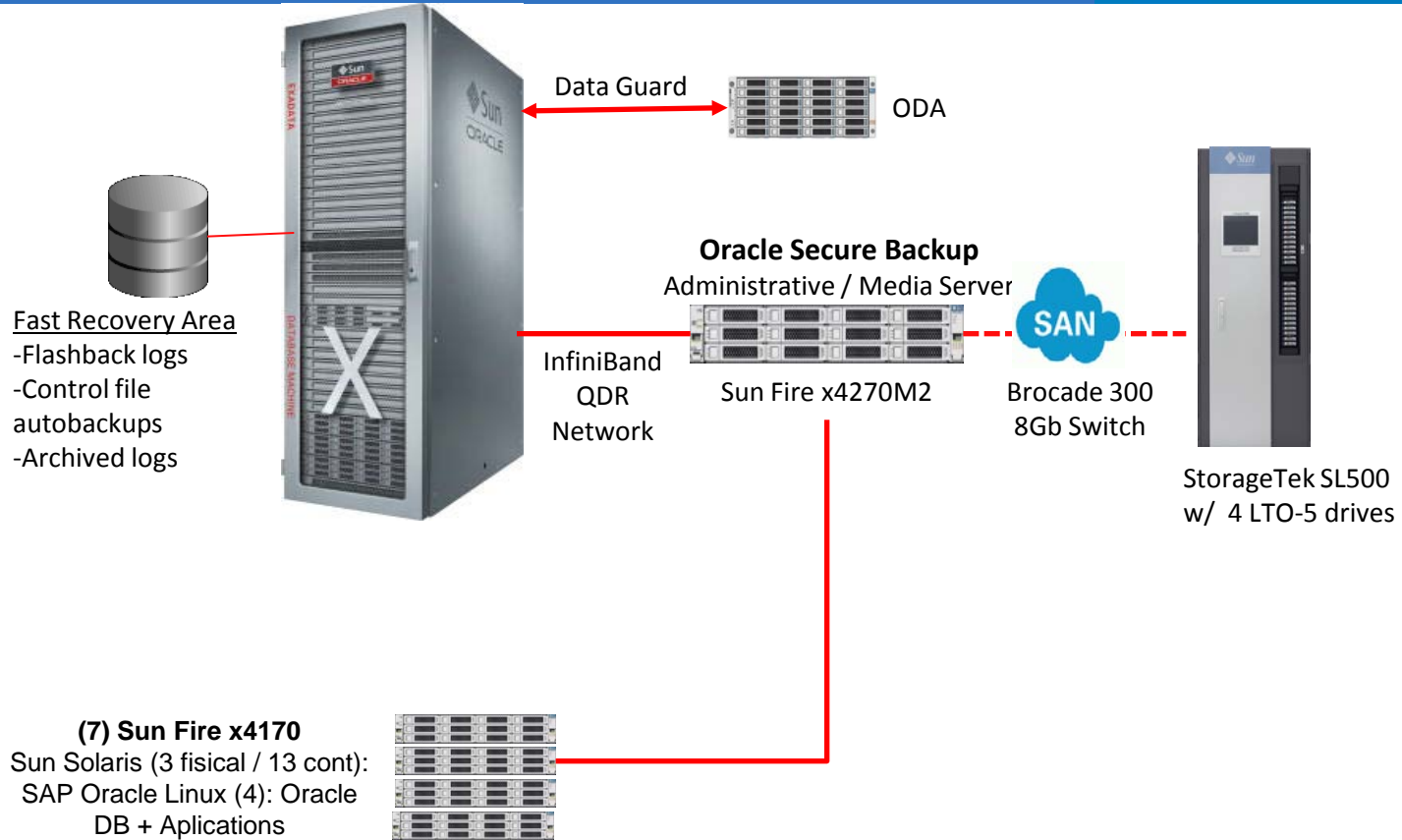
# Architecture implemented



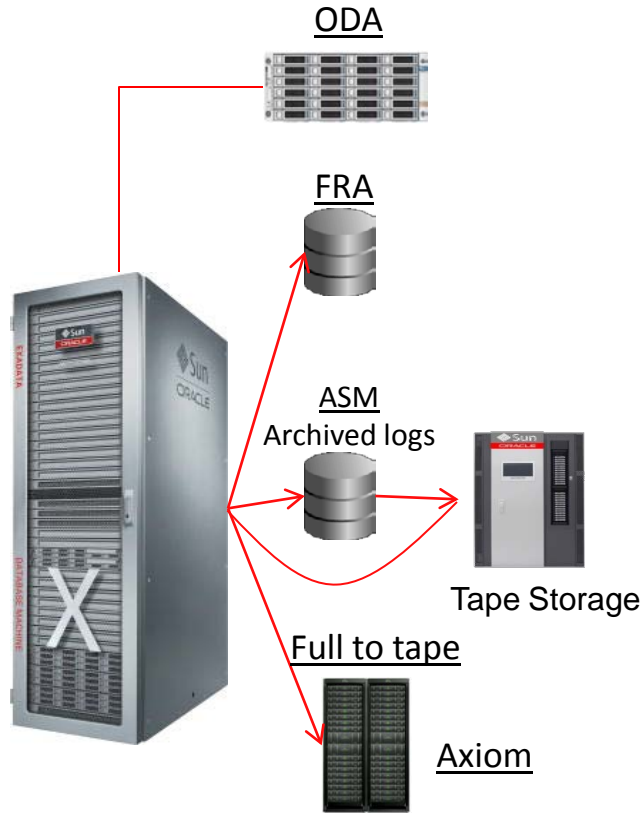
## Exadata Architecture (1 x ¼ )



# Exadata back-up enviroment



# Exadata back-up strategy



Data Guard (different location)



RTO = 1h  
RPO = "0"

Fast Recovery Area: -  
Flashback logs



RTO = 10 m  
RPO = "0"

Daily Full back-up (to tape)  
and archived logs to DB in  
ASM Exadata



RTO = 2 h  
RPO = 10 m

- 2 days in archived logs

Daily Full back-up and  
archived logs to Axiom via  
NFS1



RTO = 2 h  
RPO = 10 m

*For the rest of DB*

# DB running in Exadata → OSB



DB	Size (GB)	Time	GB / sec
PROBID	1.278,4	1h 46' 30"	0,216
PROCTX			0,012
PRODBO			0,138
PROILO			0,043
PROIMG			0,141
PROLIQ			0,009
PROMETA4			0,004
PROSMX			0,089
PROVIEW			0,157
VCDB			0,008
RMAN11			0,002
PROGEN			0,037
PROBI	160,8	19' 49"	0,135

## Example

### PROBID:

- HP Data Protector = 7h
- Back-up to disk = 5h
- **OSB** Back-up to tape = **1h 46m**