



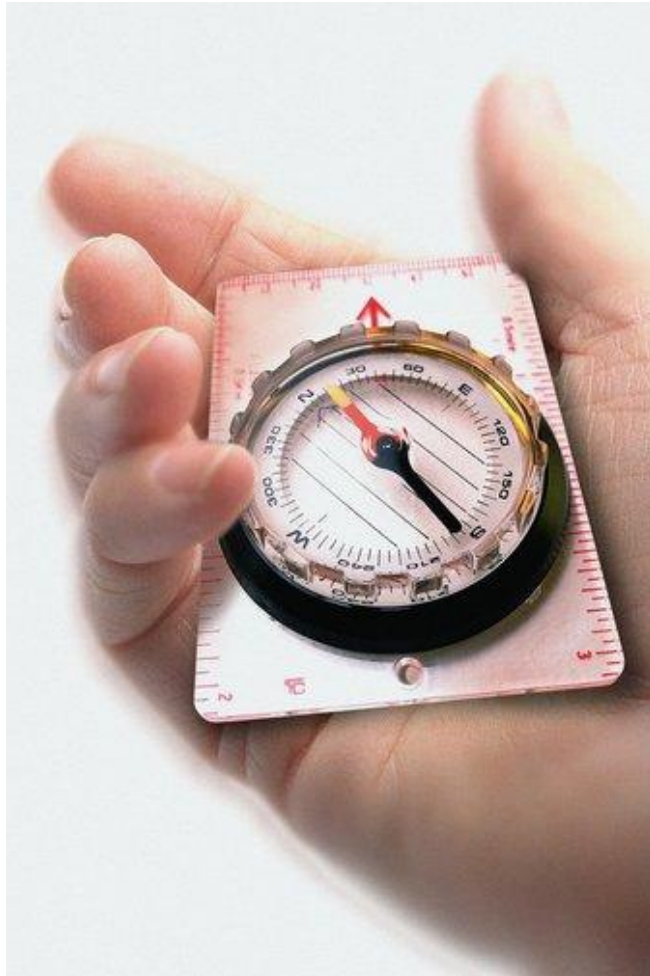
Oracle Database Administration





Course objectives

By completing this course, you will be able to:



- Understand the goals of the DBA cursus
- Use the different tools used during this cursus





Course topics

Course's plan:



- Oracle Corporation
- DBA curriculum
- The DBA in the Company
- Labs: Starting with the Virtual Machine





Oracle Corporation





Preview

These are the chapters that we will approach:

- Oracle Worldwide Headquarter
- Oracle France
- Oracle Academy
- Oracle Certifications





Oracle Corporation

Oracle Headquarter

A big company

- Created in 1977 by Larry Ellison, with his co-founders:
 - Bob Miner
 - Ed Oates
- 3rd biggest company of the World (after Microsoft and IBM)
- Starts with databases
- Exclusive mix of SQL (Dr. Edgar F. Codd) and of relational database





Oracle Corporation

Oracle Headquarter

A big company

- 84,233 employees (09/14/08)
- Corporate Headquarters in Redwood Shores, in California
- Represented in 145 countries
- Revenue: \$22.43B billion USD (05/2008)





Oracle Corporation

Oracle Headquarter

Oracle Board of Directors

- **Lawrence J. Ellison, Co-founder and CEO**
- **Jeffrey O. Henley, Chairman**
- **Safra A. Catz, President/CFO**
- **Charles Phillips, President**

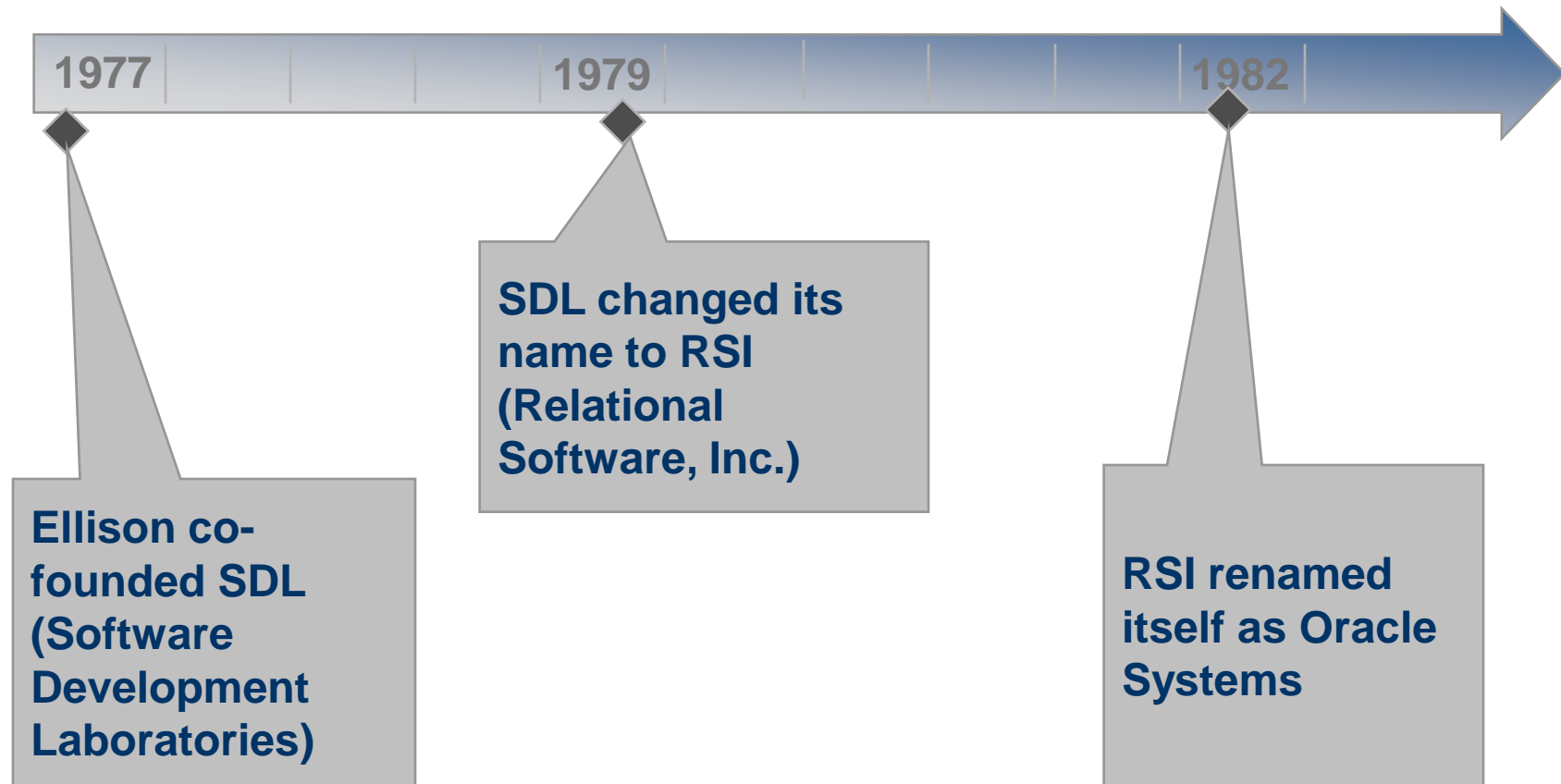




Oracle Corporation

Oracle Headquarter

Timeline





Oracle Corporation

Oracle France

- Created in 1986
- President: Loic Le Guisquet
- Corporate Headquarters: 92 – Colombes
- Geographical implantation:
 - Lyon
 - Toulouse
 - Bordeaux
 - Aix en Provence
 - Nantes
 - Strasbourg
 - Lille





Oracle Corporation

Oracle Academy

- **Different Offers:**
 - **Introduction (for High Schools)**
 - **Advanced (used by SUPINFO for SQL, PL/SQL, Data Base Administration, Datawarehouse)**
 - **778 schools and Universities and 195 952 students (06/2009)**
 - **Enterprise (used by SUPINFO for ERP Course)**
 - **30 schools and Universities and 1 939 students**
- **Different Advantages:**
 - **40% save on certifications**
 - **Access to products for development and trainings**





Oracle Certifications

- SQL Certified Expert

- Introduction to SQL (40€)

- Program with PL/SQL (55€)

- OCA (Oracle Certified Associate)

- Introduction to SQL (40€)

- Oracle Database Fundamentals I (55€)

- OCP (Oracle Certified Professional)

- Oracle Database Fundamentals II (55€)

- Oracle on-Hand Course

- OCM (Oracle Certified Master)

- Oracle Database Certified Master Exam

(12 people in France, 250 in the whole World)





Part 1 Stop-and-think

Do you have any questions ?





DBA curriculum



Preview

These are the chapters that we will approach :

- DBA course objectives
- SUPINFO cursus





PL/SQL course objectives

After completing this course, you will gain hands-on experience with:

- Installing, creating, and administering an Oracle Database 10g Enterprise Edition database
- Configuring the database for an application
- Implementing a backup and recovery strategy
- Employing basic monitoring procedures





DBA curriculum

SUPINFO Cursus

Our curriculum

B1	SQL 10g	64 h
B2	PL/SQL 10g	56 h
B3	Database Administration 10g	68 h
M1	Datawarehouse 10g	28 h





SUPINFO cursus

Your curriculum this year

Duration	68 hours
ECTS	5 credits
Evaluation	SOE : Two, 10 min, each 25% Graded exercises: One, 2 hours, 50%
Certification	1Z0-042: Oracle 10g: Administration I 1Z0-043: Oracle 10g: Administration II
Supports	Shared on SUPINFO Courses
Tools	Virtual Machine (mandatory)





Part 2 Stop-and-think

Do you have any questions ?





The DBA in the Company



Preview

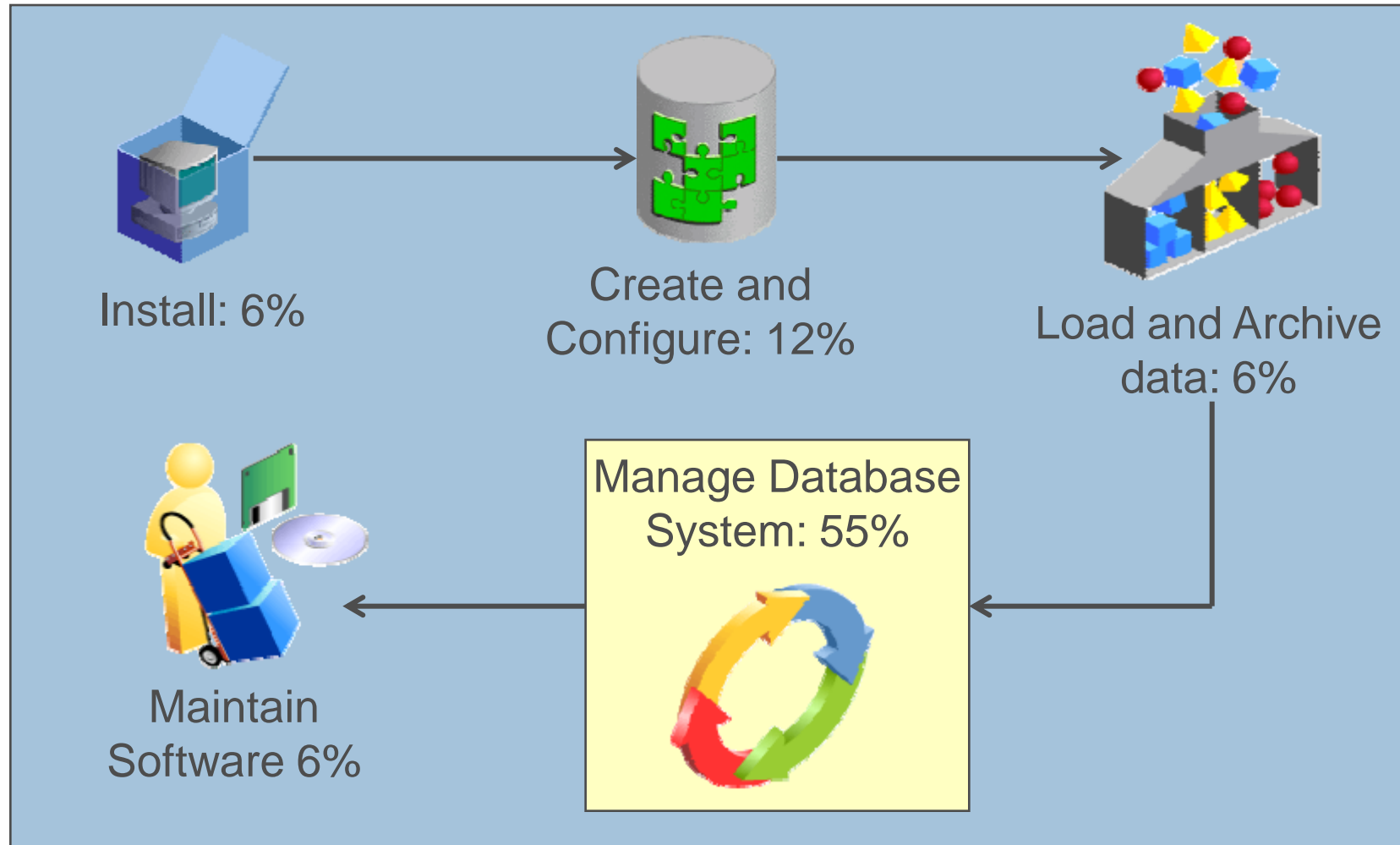
- How DBAs Spend Their Time
- Introduction to the DBA common tasks





How DBAs Spend Their Time

How DBAs Spend Their Time



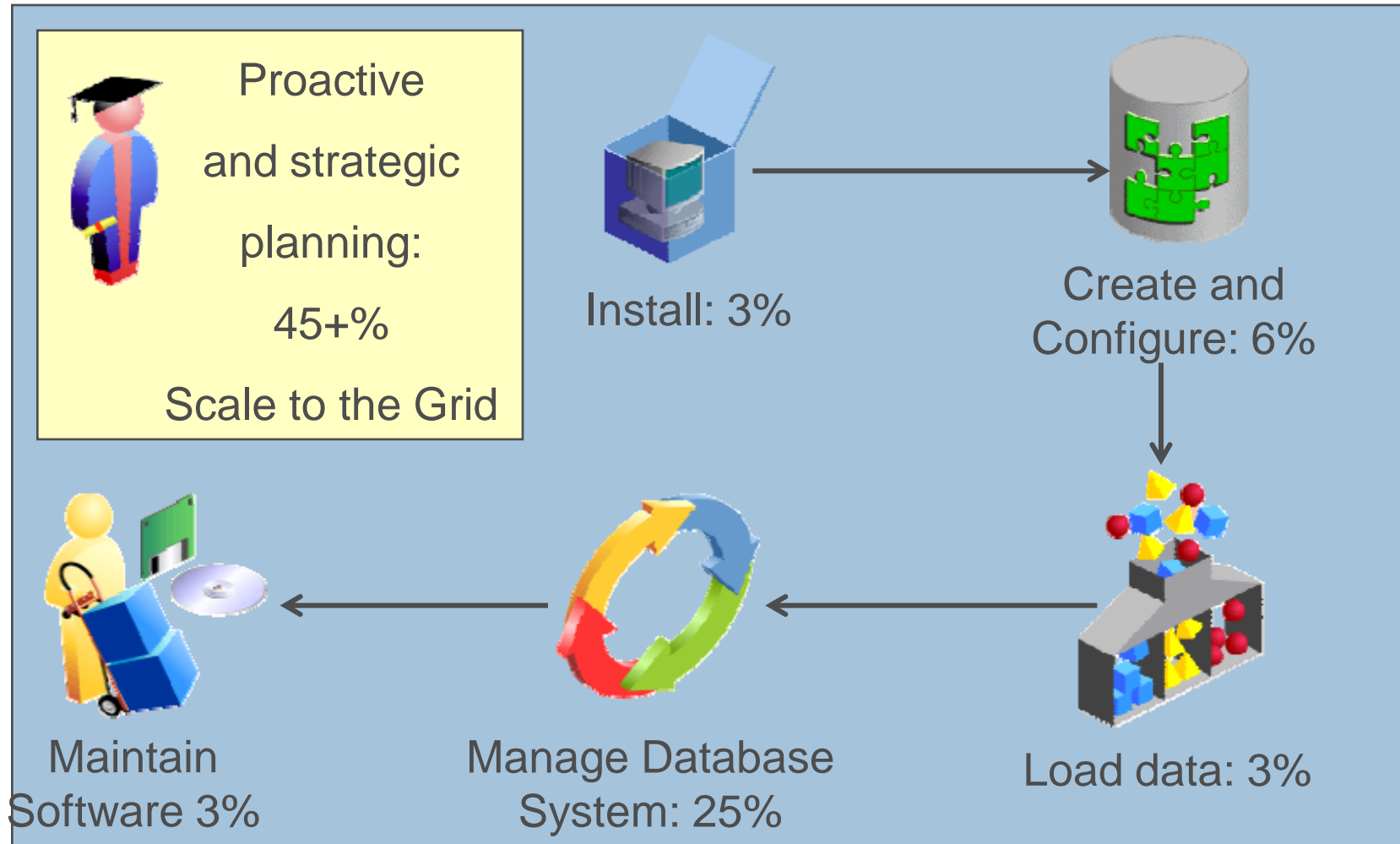
■ Source: Survey conducted at IOUG Live! 2001





How DBAs Spend Their Time

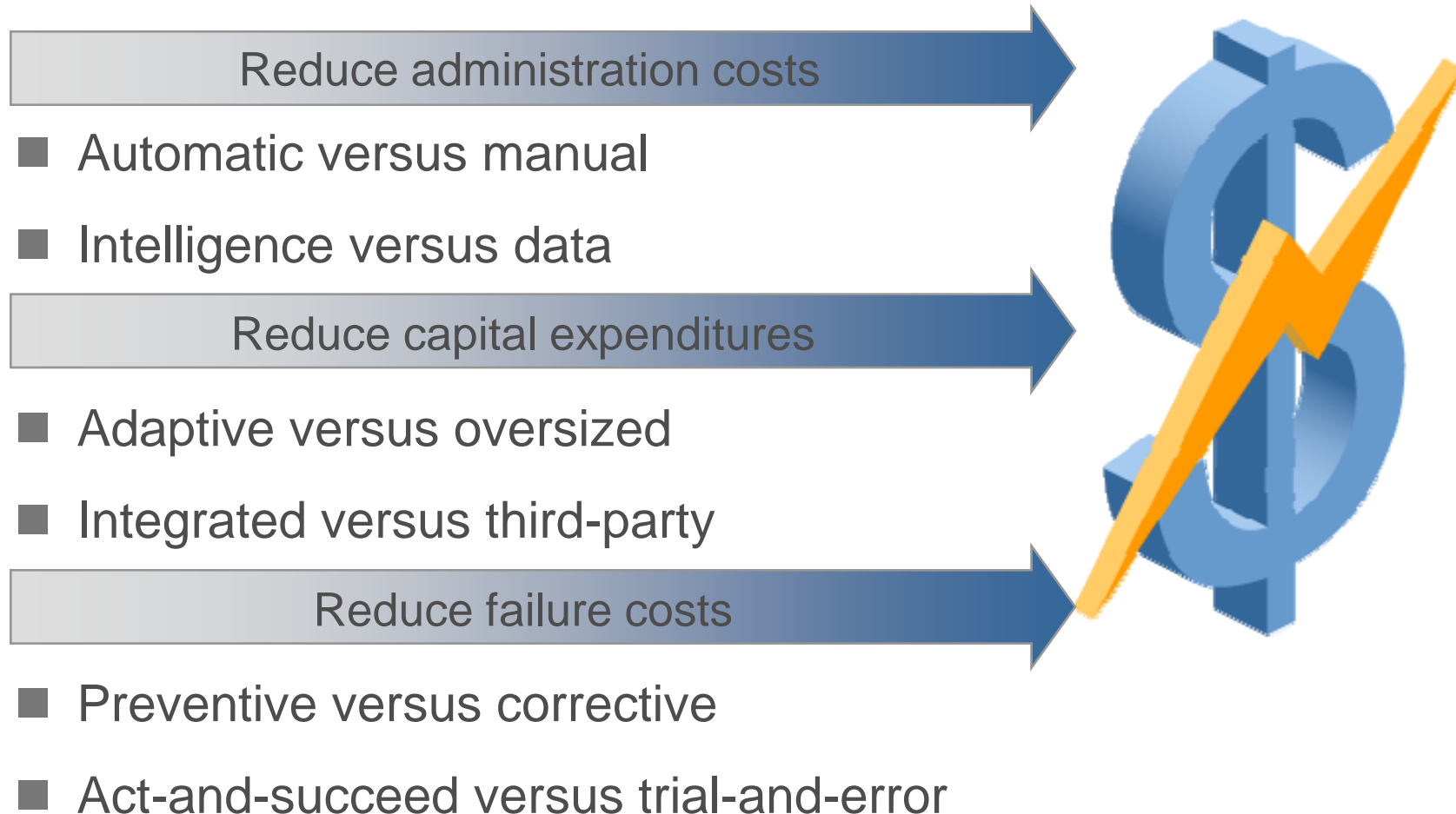
How Oracle Database 10g DBAs spend Their Time





Introduction to the DBA Common Tasks

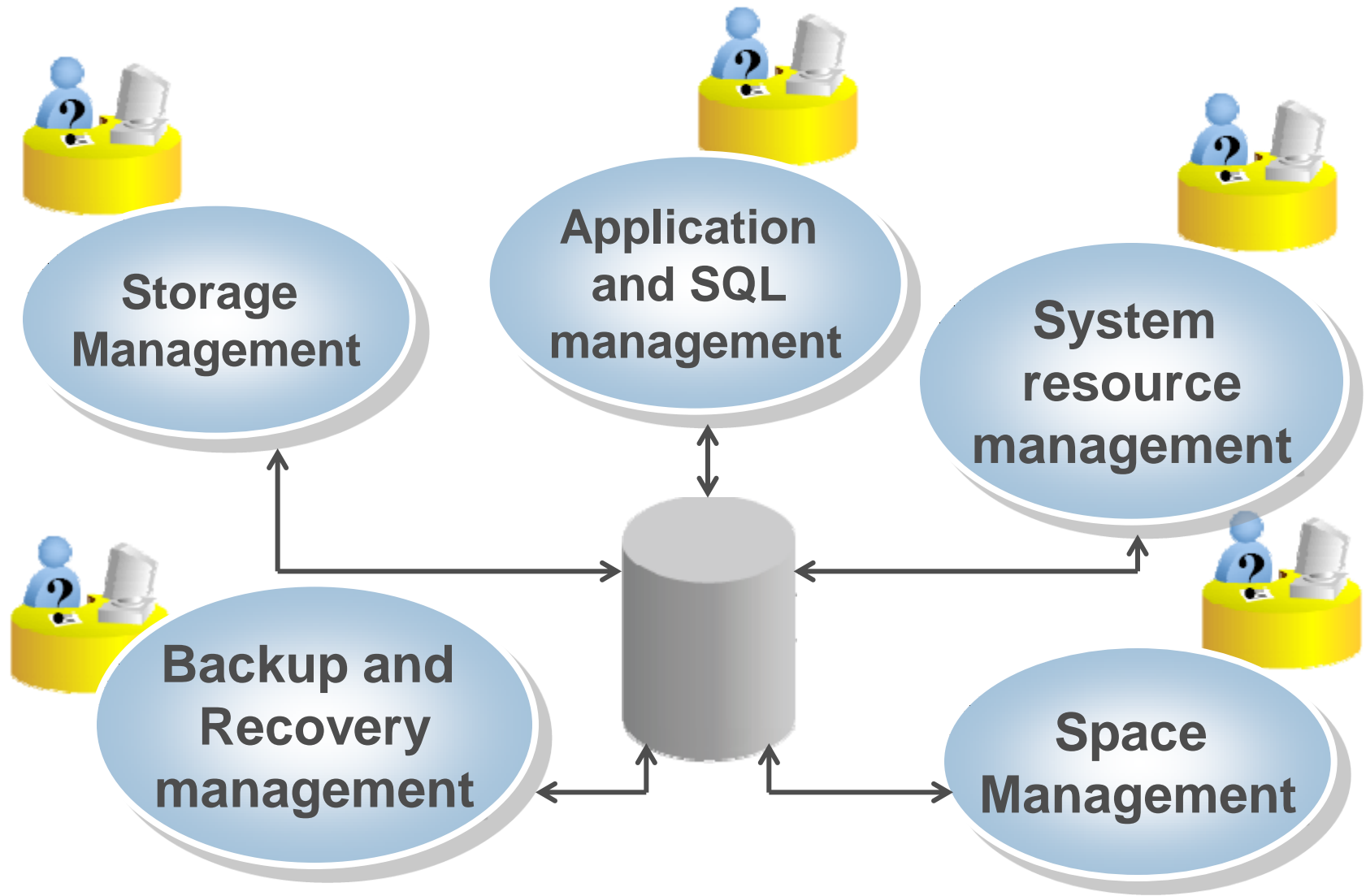
Oracle Database 10g Manageability Goals





Introduction to the DBA Common Tasks

Database Management Challenges



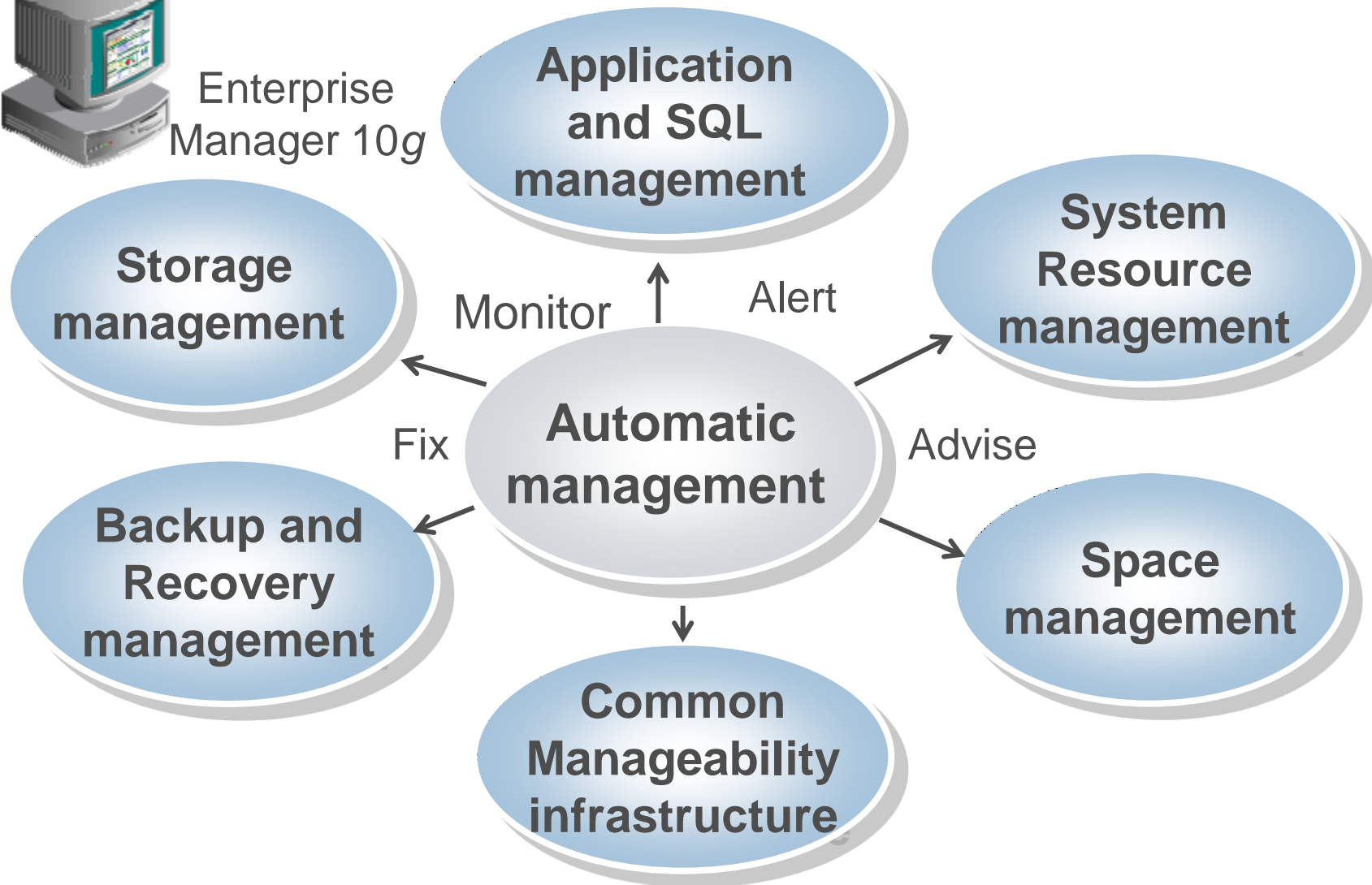


Introduction to the DBA Common Tasks

Oracle Database 10g Solution: Self-Managing Database



Enterprise
Manager 10g





Introduction to the DBA Common Tasks

Student Preface

- Even if topics might not seem to be relevant to you now, your job functions may change due to:
 - New products or methods
 - Changes in your employment
 - Changes in corporate structure
 - Enhancements in applications





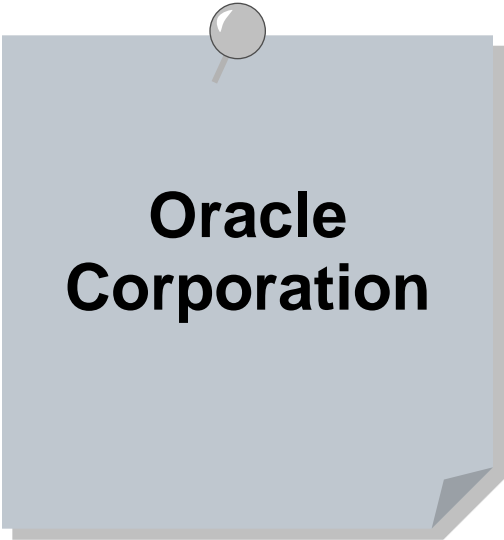
Part 3 Stop-and-think

Do you have any questions ?





Summary



**Oracle
Corporation**



**DBA
introduction**



**Our Virtual
Machine**

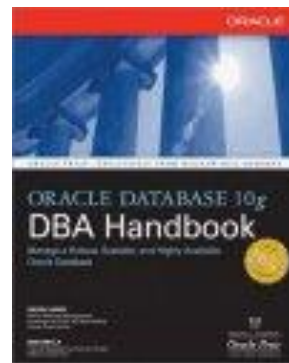
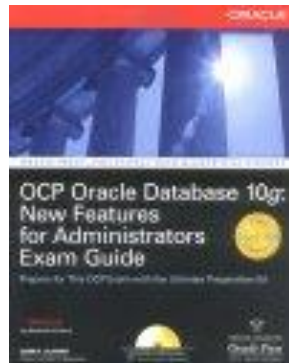




For more

If you want to go into these subjects more deeply, ...

Publications



<http://www.oracle.../bookstore/>

Web sites

<http://www.labo-oracle.com>

<http://www.oracle.com>

<http://otn.oracle.com>

Courses

Cursus: Merise & SQL

Cursus: PL/SQL

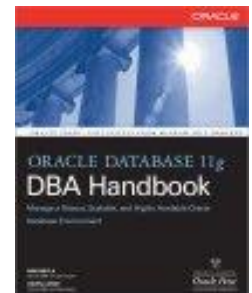
Cursus: DBA1 & DBA2

Cursus: DWH, OAS & BIS

Certifications

1Z0-042

1Z0-043





THE INTERNATIONAL INSTITUTE OF

SUPINFO

INFORMATION TECHNOLOGY

Congratulations

You have successfully completed
the SUPINFO course n°1

Oracle Technologies
Oracle Database
Administration

The end

