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Introduction

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Course Objectives

After completing this course, you should be able to:

- Install, create, and administer Oracle Database 11*g* Release 2
- Configure the database for an application
- Employ basic monitoring procedures
- Implement a backup and recovery strategy
- Move data between databases and files

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Suggested Schedule

Day	Lessons	Day	Lessons
1	1. Exploring the Oracle Database Architecture 2. Preparing the Database Environment 3. Creating an Oracle Database 4. Managing Database Instances	3	9. Managing Data Concurrency 10. Managing Undo Data 11. Implementing Oracle Database Auditing
2	5. Managing ASM Instances 6. Configuring the Oracle Network Environment 7. Managing Database Storage Structures 8. Administering User Security	4	12. Database Maintenance 13. Performance Management 14. Backup and Recovery Concepts
		5	15. Performing Database Backups 16. Performing Database Recovery 17. Moving Data 18. Working with Support

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Oracle Products and Services

- **Oracle Database**
- Oracle WebLogic Application Server
- Oracle Applications
- Oracle Collaboration Suite
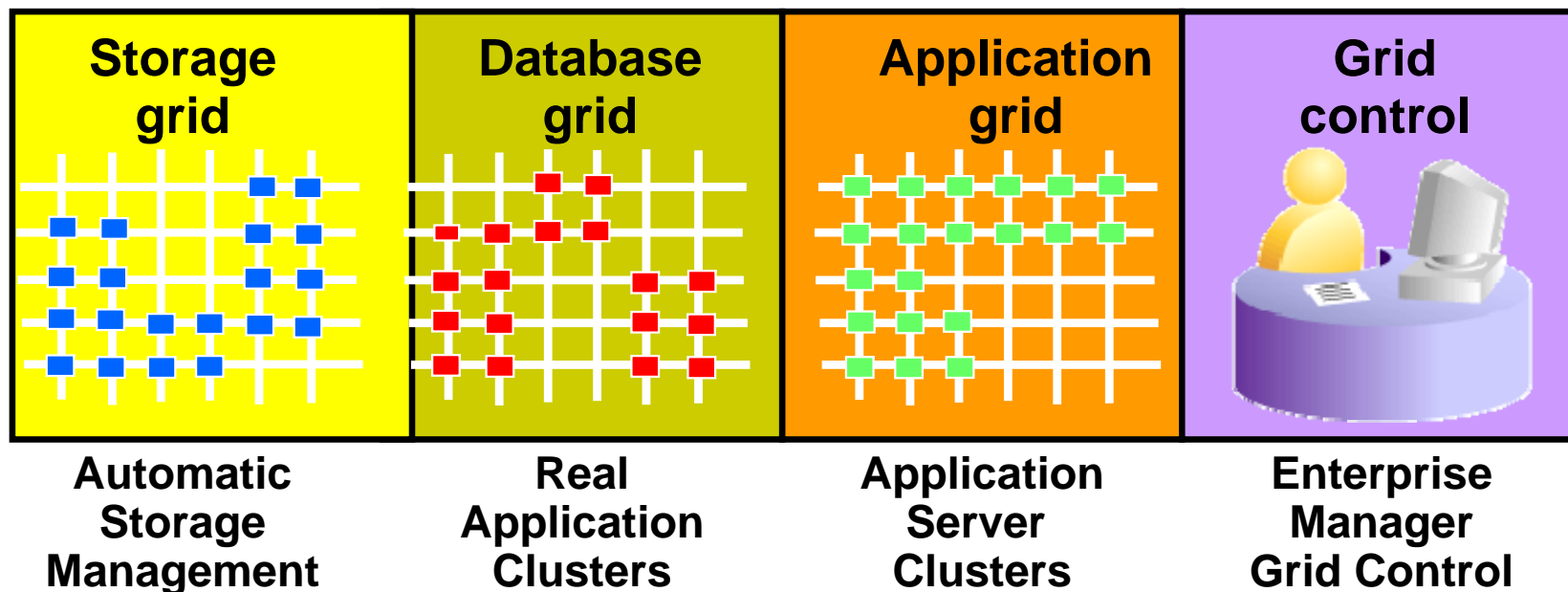- Oracle Developer Suite
- Oracle Services

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Oracle Database 11*g*: "*g*" Stands for Grid

- Open Grid Forum (OGF)
- Oracle's grid infrastructure:
  - Low cost
  - High quality of service
  - Easy to manage

Storage grid	Database grid	Application grid	Grid control
Automatic Storage Management	Real Application Clusters	Application Server Clusters	Enterprise Manager Grid Control

Grid Infrastructure for Single-Instance

Grid Infrastructure for Single-Instance is introduced with Oracle Database 11*g* Release 2.

- Is installed from the clusterware media, separate from Oracle database software

- Contains Oracle Automatic Storage Management (ASM)

- Contains Oracle Restart – a high availability solution for non-clustered databases

  - Can monitor and restart the following components:

    - Database Instances
    - Oracle Net Listener
    - Database Services
    - Automatic Storage Management (ASM) Instance
    - ASM Disk Groups
    - Oracle Notification Services (ONS/eONS) for Data Guard

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