Oracle Training at CERN

DB Workshop for
LHC online/offline developers

Montse Collados – IT/DES   January 2005

Outline

- Oracle tutorials
- Oracle web based courses
- Oracle on-site courses
- Oracle external courses

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- **Oracle tutorials**
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- Oracle on-site courses
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Workshops & Tutorials

- **Organised by IT-ADC and IT-DES groups**
  - ADC would be happy to setup similar events focused to the physics environment
- **Either as workshop or individual seminars**
  - Sessions of 1h/1h30 per topic
  - Theory & Demos
- **Access to tutorial materials use in this physics database workshop**
  - http://agenda.cern.ch/fullAgenda.php?ida=a044825

- **Generic Oracle training**
  - http://cern.ch/db/training/tutorial.html

Existing Tutorials

- General introduction
- Database Design and basic SQL
- SQL (1/3)
- Advanced SQL I (2/3)
- Advanced SQL II (3/3)
- Database Architecture

- Tuning
- Oracle Tools
- PL/SQL
- PL/SQL and the Web
- Java Relational (1/2)
- Java and the Web (2/2)
- OO database, C++, Java
- UML and Oracle

- Many of which have been presented this week

Tutorials material

Outline

- Oracle tutorials
- **Oracle web based courses**
- Oracle on-site courses
- Oracle external courses

Oracle Web Based Courses

- **Organized by Technical Training**
- **Variable duration (around 1 day)**
- **Subscription valid for 3 months**
- **Low cost (around 50chf/course)**
- **Just in Time**
  - **http://cern.ch/humanresources/external/training/tech/WBTechT/**

Oracle Web Based Courses

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Web Based Courses Subjects

- **39 courses on Oracle**
  - SQL
  - PL/SQL
  - Oracle Forms
  - Reports
  - Administration
  - Backup
  - Tuning

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Outline

- Oracle tutorials
- Oracle web based courses
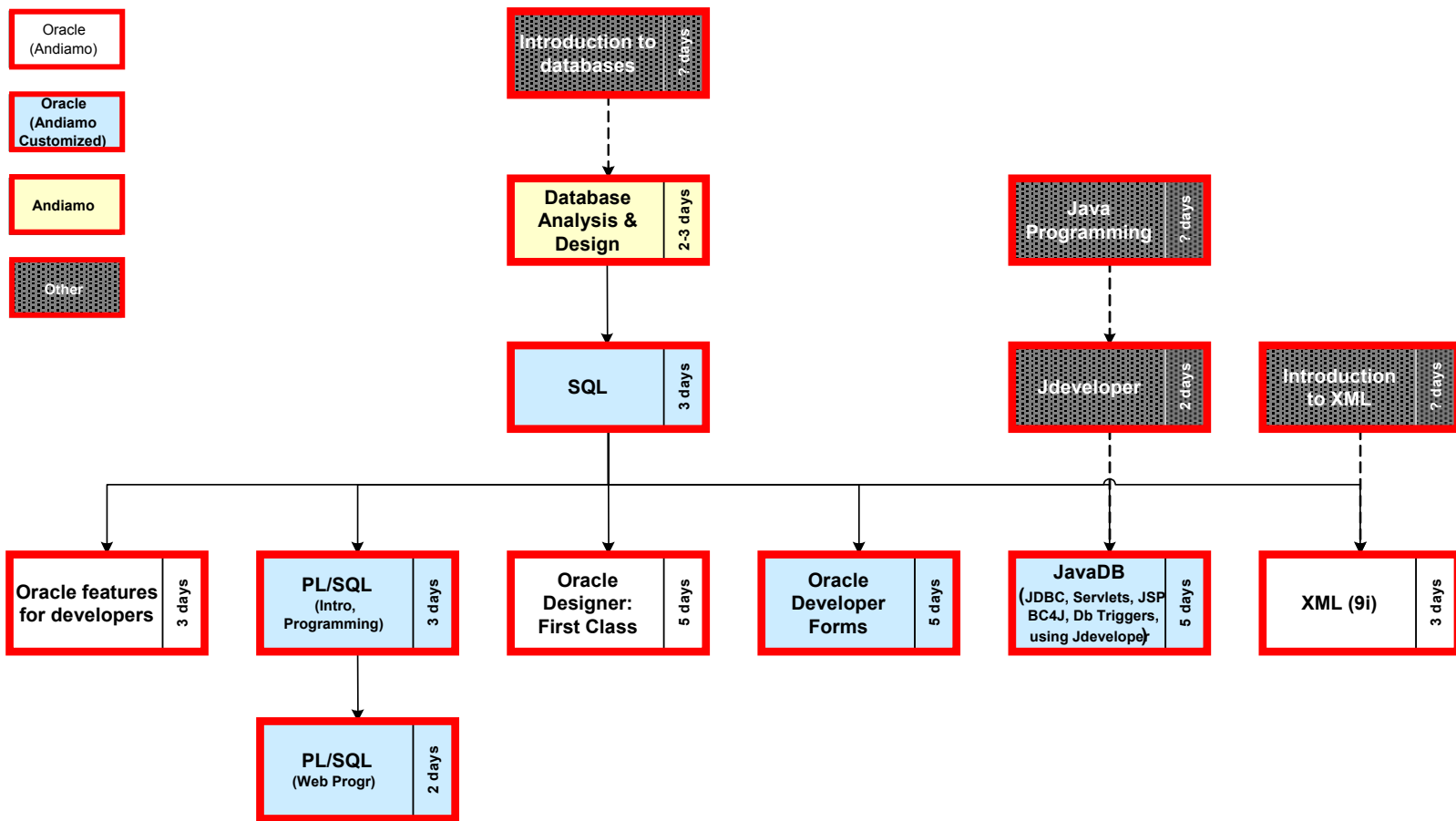- **Oracle on-site courses**
- Oracle external courses

Oracle On-Site Courses

- Organised by IT/DES & Technical Training Service
- Provided by an external company
- Variable duration (2-5 days)
- 500-1300chf
- Needs registration
- In TT Premises
- **http://cern.ch/hr-web/external/training/tech/software/te_softw.asp**

Oracle Curriculum at CERN

Legend:
- Oracle (Andiamo)
- **Oracle (Andiamo Customized)**
- **Andiamo**
- Other

```
Introduction to databases          ? days
            |
            v
Database Analysis & Design          2-3 days
            |
            v
SQL                                 3 days
```

```
Java Programming                    ? days
            |
            v
Jdeveloper                          2 days
```

```
Introduction to XML                 ? days
```

From SQL branching to:

Oracle features for developers	PL/SQL (Intro, Programming)	Oracle Designer: First Class	Oracle Developer Forms	JavaDB (JDBC, Servlets, JSP BC4J, Db Triggers, using Jdeveloper)	XML (9i)
3 days	3 days	5 days	5 days	5 days	3 days

PL/SQL (Intro, Programming) → PL/SQL (Web Progr) — 2 days

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- Oracle tutorials
- Oracle web based courses
- Oracle on-site courses
- **Oracle external courses**

Oracle External Courses

- **More expensive**
  - Travel + hotel + course registration
- **IT/DES can help if needed**
- **Recommended only if:**
  - Very specific course (not offered at CERN)
  - Urgent courses

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Conclusion

	Duration	Cost	Response	Location	Type
Oracle tutorials	short	free		CERN Desk	Overview Introduction
Oracle web based courses	1 day	~ 50chf	Flexible	Desk / Home	Pre / Post Reference
Oracle on-site courses	1-3 days	~ 1000chf	Registration	CERN	
Oracle external courses		Expensive	Can be fast	Off site	Urgent Specific

To Stay Informed

- **IT-ADC Physics Database Service**
  - For physics database workshops
    http://wwwdb.web.cern.ch/wwwdb/phydb
- **LCG 3D Project**
  - For distributed database deployment in LCG
  - http://lcg3d.cern.ch
- **IT-DES Training Web Page:**
  http://cern.ch/db/training/
- **News Group:**
  news://cern.oracle
  news://cern.computing
- **Contact:**
  IT/DES or IT/ADC: technical choice
  Technical Training Services: organization