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Training

ANSAwise - Welcome [Peritas, to Networking '95]

Chris Mayers

Abstract

This is the 'welcome speech' to the course "Implementing Client/Server Systems in a Distributed Environment" given on 25-26 April 1995 as part of the Peritas event "Networking '95". It gives the course road-map and timetable.

The audience is expected to have a networking background, so the modules are selected with that in mind. The emphasis is on implementation issues rather than strategic ones. The course synopsis is:

"Shows how networks, object-oriented techniques, middleware, and distributed systems technology can be combined to deliver business services throughout large enterprises across a network. It will discuss how systems can grow and evolve while still preserving investment in legacy systems.

Topics covered include: the role of object technology in client-server systems; the types of middleware; OMG CORBA and OSF DCE: strengths and weaknesses; trends and standards; who is in control; building on your networking strategy."

Other (non-APM) sessions in the same track cover "Client/Server: Key Issues for Technical Management", and "Security in a Client/Server Environment", so these are not covered here.

[Note that this presentation includes the Networking '95 logo as a grey-scale bitmap. There may be difficulty printing it on some printers.]

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Approved
Briefing Note

24th April 1995

Distribution:

Supersedes:

Superseded by:



Implementing Client/Server Systems in a Distributed Environment



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About this course

- *It provides practical techniques and advice for building client/server applications, with the tools and products available today*
- *... based on open distributed systems using object technology*
- *It focuses on key standards and issues you need to appreciate*
- *... to select technology today*
- *... and to design applications that can evolve into the future*



Course Timetable - Day 1

Time	Module
9:30	<i>Welcome</i>
9:45	Introduction to Client/Server Systems
10:45	Templates for Distributed Applications
11:45	<i>Break</i>
12:00	Objects in Distributed Systems
13:00	<i>Lunch</i>
14:00	Distributed Communications Techniques
15:00	Distributed and Networked Operating Systems
16:00	<i>Break</i>
16:15	Networking in Distributed Systems
17:15	<i>Close</i>



Course Timetable - Day 2

Time	Module
9:00	<i>Review of Day 1</i>
9:15	Introduction to CORBA and DCE
10:15	The CORBA Object Management Architecture
11:15	<i>Break</i>
11:30	DCE Distributed Services
12:30	<i>Lunch</i>
13:45	Distributed Databases and Distributed Systems
14:45	Distributed Client/Server in Action
15:45	<i>Break</i>
16:00	Course Roundup
16:30	<i>Close</i>



Structure of the course -1

- ***Introduction to Client/Server Systems***
 - why client/server?
 - what are the challenges?
- ***Templates for Distributed Systems***
 - what approaches are there for partitioning client/server applications into components?
 - what are the strengths and weaknesses of each approach?



Structure of the course - 2

- ***Objects in Distributed Systems***
 - what is object technology?
 - how can object technology support client/server components?
- ***Distributed Communications Techniques***
 - what techniques are there for communication between client/server components?
 - what are the strengths and weaknesses of each technique?



Structure of the course - 3

- ***Distributed Databases and Distributed Systems***
 - is distributed database technology a complete solution for client/server systems?
 - what are the relevant standards?
- ***Distributed and Networked Operating Systems***
 - how will future operating systems support client/server systems?
 - how will application portability be achieved?
- ***Networking in Distributed Systems***
 - how does distributed systems technology relate to networking?
 - what demands does distributed systems technology place on networking?



Structure of the course - 4

- ***Introduction to CORBA and DCE***
 - how do the Object Management Group's CORBA and Open Software Foundation's DCE differ in focus and approach?
 - how do these architectures employ object technology and distributed communications techniques?
 - what is the status of vendor products?
- ***The CORBA Object Management Architecture***
 - what are the parts of the Object Management Architecture?
 - how do CORBA implementations differ?
 - how are clients and servers written using CORBA?
- ***DCE Distributed Services***
 - what services does DCE provide?
 - how are these services related?

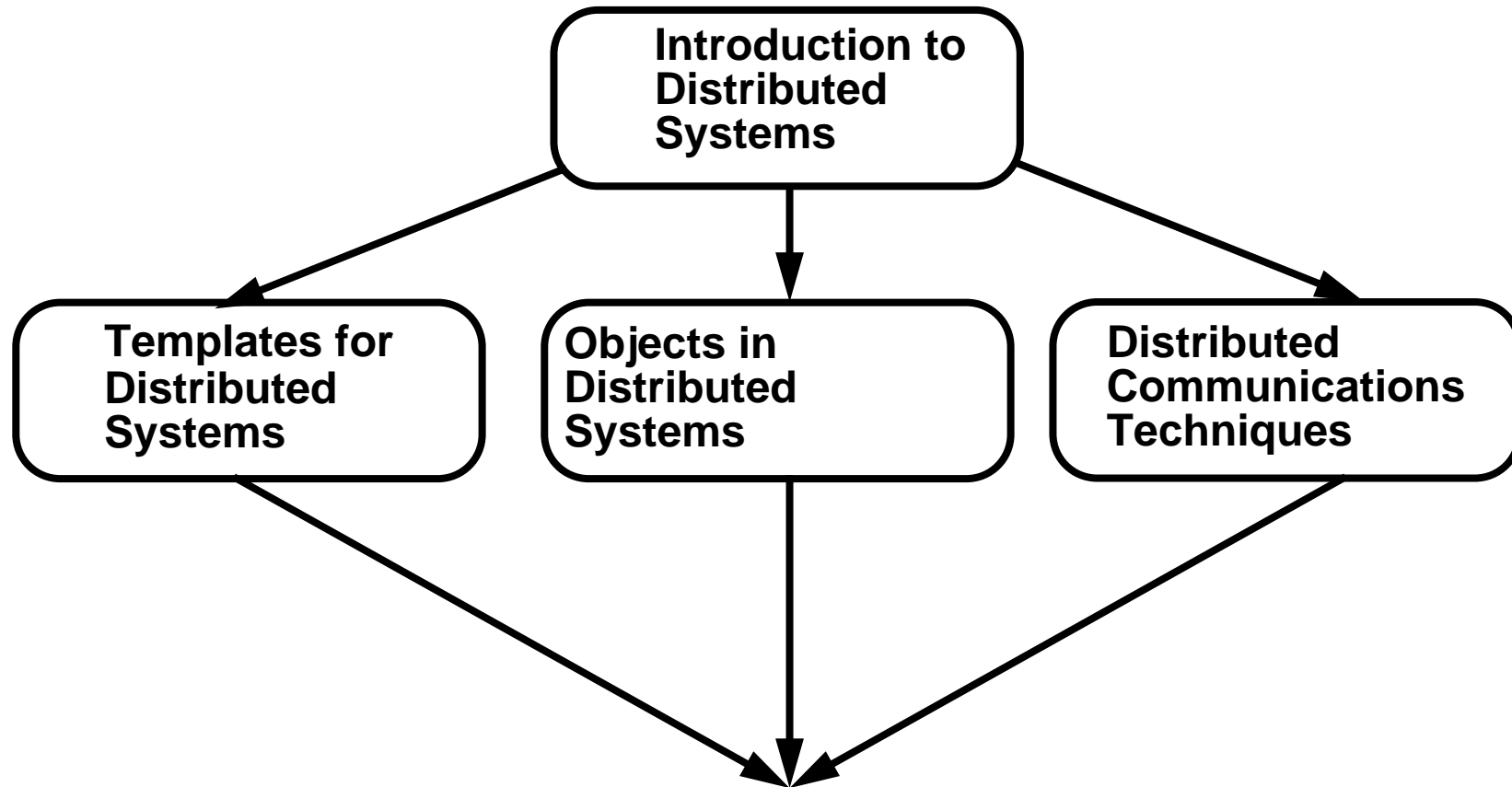


Structure of the course - 5

- ***Distributed Client/Server in Action***
 - **how have the techniques described been put into action?**
 - **how effective were they in practice?**

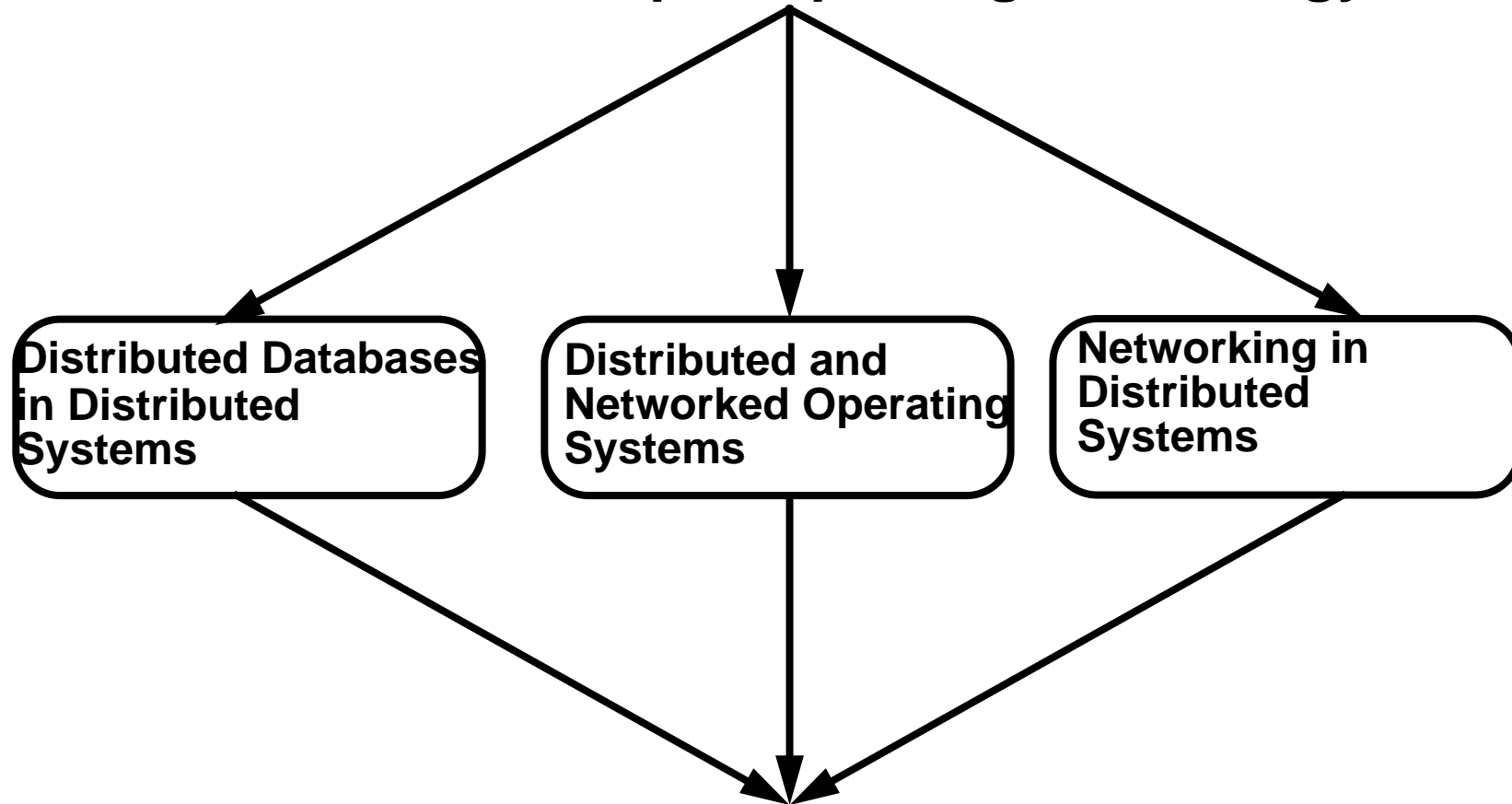


Course Roadmap - Basic Approaches

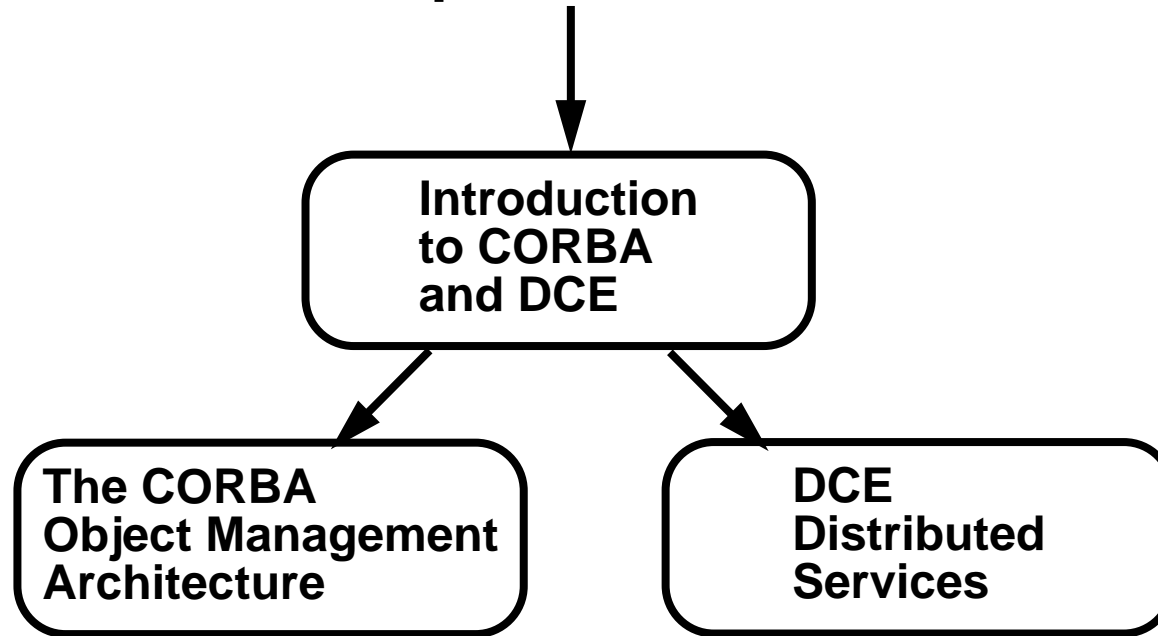




Course Roadmap - Exploiting Technology

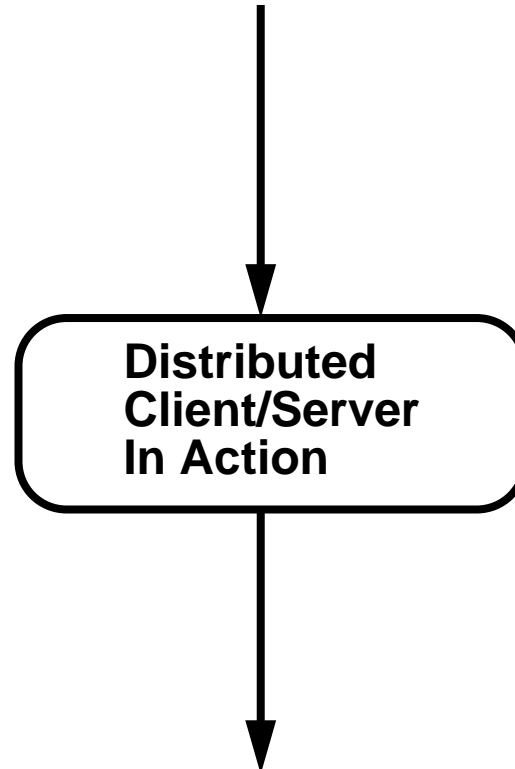


Course Roadmap - Middleware Solutions





Course Roadmap - Case Studies





Enjoy the course!

- *... and ask questions whenever you wish*

