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Training

ANSAwise - Course Roundup [to Hands-on Design with ANSAware]

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Abstract

This is the “goodbye speech” to the course “Hands-on Design with ANSAware”. As well as a summary of the key points, it gives information for finding out more. It also gives some background on ANSAware/RT.

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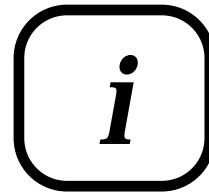
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Distribution:
Supersedes:
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Hands-on Design with ANSAware **Course Roundup**



...and Learning More...

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About this course

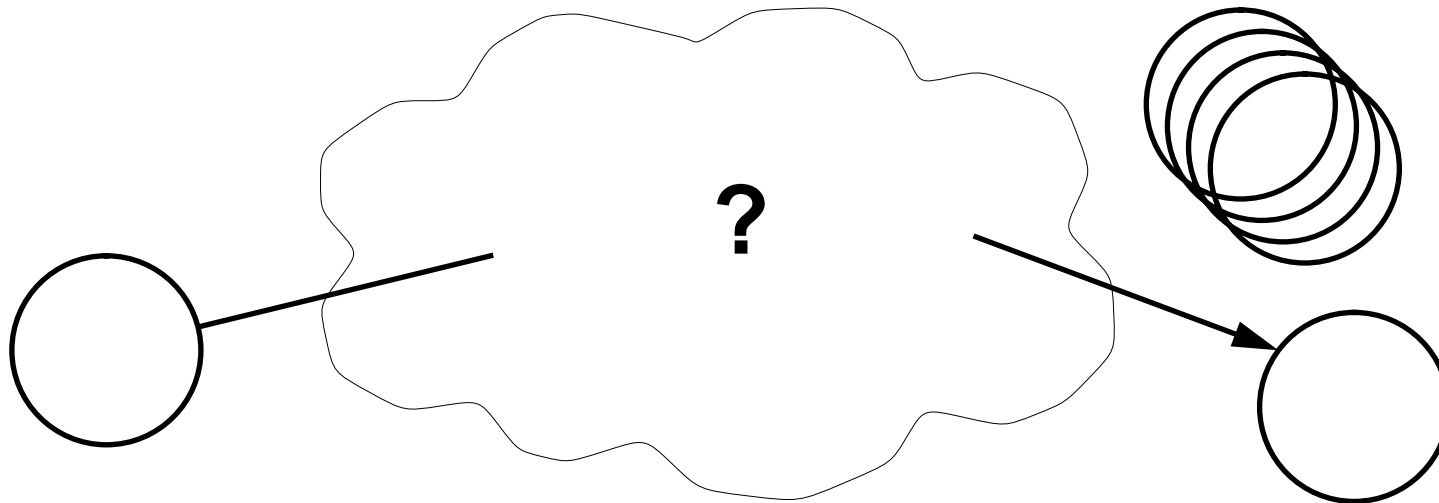
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- **This course has been a hands-on introduction to the design of distributed systems**
- **In this course you have taken a simple example and modified it to**
 - **use the Trader service**
 - **exploit concurrency**
 - **handle errors**
 - **be manageable**

Trading

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- **How can clients find servers that provide the services they need?**
 - **in the future, there will be millions of interconnected servers around the world**

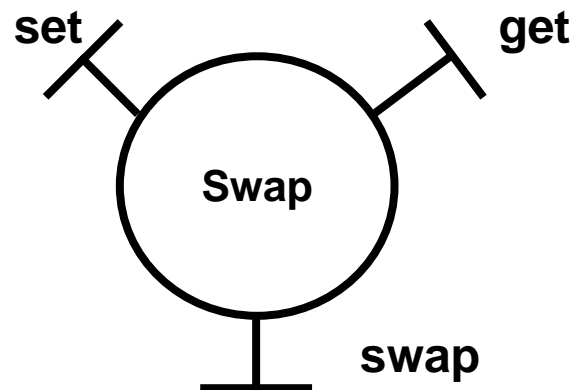


- **Clients select servers using their interface types, property constraints, and contexts**

Concurrency

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- In distributed systems, concurrency control is the responsibility of applications



- This requires careful design and implementation

Exceptions

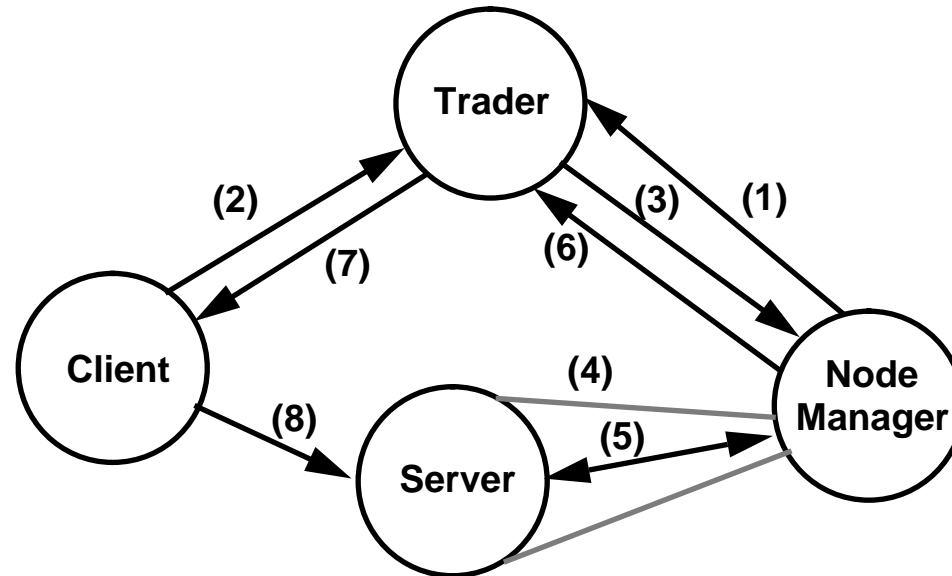
- Applications are notified of error conditions by exceptions



- Application designers choose their own policy for handling exceptions

Management

- Each of these services has interfaces that can be used independently



- These services also cooperate to provide dynamic service creation



Other key points

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- **This example will also work in a heterogeneous network**
 - **where clients and servers use different hardware and operating systems**

- **ANSAware is supplied as complete source code**
 - **enabling portability and custom modifications**



Distributed Real-Time facilities in ANSA

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- **ANSAware/RT**
 - supports application-specific resource control...
 - ... for example, control of task scheduling policies
 - and real-time communications...
 - ... with a Timed RPC

- **Distributed Interactive Multimedia Architecture (DIMMA)**
 - re-engineered distributed systems infrastructure



More about ANSAware?

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- **The Manual Set contains a lot of detail**
 - *An Overview of ANSAware 4.1 (in Volume A)*
 - *ANSAware 4.1 System Manager's Guide (in Volume A)*
 - *ANSAware 4.1 System Programming in ANSAware (in Volume A)*
 - *ANSAware 4.1 Application Programming in ANSAware (Volume B)*
- **E-mail to ansaware@ansa.co.uk**



More about ANSA?

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- **If you want a brief introduction to the Architecture:**
 - *An Overview of ANSA (AR.000.00)*
- **For more detail, see the individual Architecture Reports and Technical Reports**
 - **see leaflet in your information pack**



How we can help

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- **ANSAware**
 - **technical support**
- **ANSAworks**
 - **the ANSA conference**
- **ANSAwise**
 - **training in distributed systems**
- **ANSAweb**
 - **consultancy and advice**



Contacting APM

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- **We are online on the World Wide Web!**
 - our URL is <http://www.ansa.co.uk/>
 - ... note the final /
- **E-mail address is apm@ansa.co.uk**

Stay in touch with APM