

Service Oriented Architecture Courses

Made-to-measure learning programs that
address your situation



Service Oriented Architecture: now a reality

SOA, Service Oriented Architecture, is the latest trend in IT and business. Capgemini is convinced that it is one of the 'guiding principles' in developments in the field of IT. Therefore Capgemini devotes a great deal of effort to it.

In a new Forrester report on SOA competency planning and education resources, Capgemini is mentioned as an example of a services firm that offers formal SOA classes. The report is a collection of SOA competency best practices as well as an inventory of options and sample resources available in the market.

Reuse becomes essential

Organizational and technological changes are occurring at lightning speed and will continue to do so. In its efforts to keep pace, an organization cannot reinvent the wheel every time. The solution lies in a plug-and-play organization with building blocks that can be deployed in multiple locations. Take for example the introduction of a new service. The basic principle of SOA is that however innovative this new service is, the necessary processes, IT components and human skills will already be largely present. They can therefore be reused.

Technological innovation now a reality

A few years ago, SOA technology was unable to provide these plug-and-play solutions. But now it can. And that opens up attractive prospects, for you and for your organization.

SOA affects the whole organization

Many organizations are currently familiarizing themselves with SOA. Others are already actively creating the services bus that is necessary for all their applications to work together. And they use the concept of orchestration to create new business processes out of existing services. Complexity reduction, business intelligence, getting products and services faster to market - there are various reasons. But whatever the reason, one thing is certain: the implementation of SOA affects the whole organization and does not stop with the introduction of some new software or a piece of different technology. Service Oriented Architecture is the trend for

the future, for customized software and packages as well as in the field of infrastructure.

Capgemini Academy and SOA

Capgemini Academy offers trainings in SOA for clients and course participants. Based on the way in which developments take place in practice and the various phases which organizations go through. We are able to translate these developments into practice and into learning goals. We are also used to playing a part in the major change processes associated with SOA.

Customized courses with standard learning components

Training courses to support the conversion of an organization to SOA are customized courses. Each customized course consists of a number of standard learning components from Capgemini Academy itself and from major partners. Because specific technology is required in order to apply SOA effectively. Capgemini Academy is a strategic partner to all large suppliers of SOA technology, such as BEA, Cordys, IBM, Microsoft, Oracle and SAP. As a result, we can offer you training courses which combine the technological knowledge of our partners and our expertise in the field of training, didactics and best practices. Another very important feature is the LearnWork lab, in which employees learn to apply SOA concepts in their own environment with their own tools. For this we use a number of standard building blocks, combined with specially developed elements geared to your organization.

Development of the training program

“As a professional, there is an increasing need to be your own trendwatcher. What are the developments in your market? What are important new technologies? How can these affect your career and should you (re)educate yourself? SOA is definitely one of those important technologies!”

Mieke Mahakena

Coach/consultant SOA courses

Capgemini Academy has a great deal of experience of setting up and developing training programs. When composing a training course, we take into account the current maturity level of your organization and the level which is necessary for the SOA implementation in your organization. As well as the resulting demands on the employees. We use a practical step-by-step plan for this purpose.

Capgemini Academy can implement all elements of this step-by-step plan for you. Naturally, as the Benelux market leader in IT-related courses, we provide standard open-schedule courses, courses on clients' premises, customized courses and training programs. We can also assist you in formulating role profiles and training paths, conducting assessments, implementing learning/work programs, purchasing courses from partners and supervising certification.



Training program

Step 1 Definition of the training issues by induction

- What goals does the organization have for SOA?
- What is the maturity level of the organization?
- What is the training requirement?
- What is the size of the program?
- Which SOA platform is used?
- Which roles are identified in the new situation and what competences are required?
- How many people need to be trained, what is their current role and knowledge level and which role must they perform?

Step 2 Specification of the training solution

- Standard components
- Labs
- Partner trainings
- Trainings versus role
- Employee Assessment

Step 3 Construction of the training solution

- Purchasing
- Own standard components
- Customized services

Step 4 Delivery of the training solution

- Carrying out employee assessments
- Detailed planning of the trainings
- Client's premises or Capgemini Academy premises

SOA courses

There are three levels of SOA learning components offered by Capgemini Academy: Awareness, aimed at various target groups; Platform implementation courses for technical employees; and professional courses to apply the subject effectively in an SOA environment. A number of these standard learning components of customized training programs are shown below.

SOA platform implementation courses

These courses focus on the knowledge that is required in order to implement a tool from platform suppliers such as BEA, Cordys, IBM, Microsoft, Oracle or SAP. A course comprises of trainings by a platform supplier, alternating with LearnWork labs. As well as teaching students how to apply SOA in their own work environment, the LearnWork lab raises the employee's productivity rapidly and efficiently to the required level.

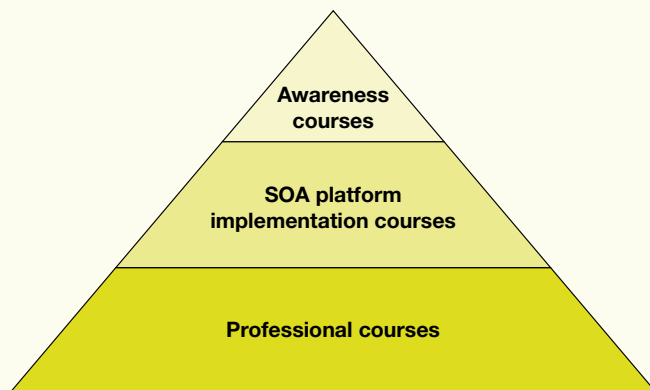
Professional courses

The professional courses teach employees to carry out their profession in a Service Oriented Architecture environment. Capgemini Academy offers, among others, the following SOA specialist courses as standard learning components:

- SOA Solutions for Integration Architecture;
- Service Oriented Architecture - Design, learn & practice lab;
- Java Web Services;
- Developing XML Web Services Using Microsoft ASP.NET;
- Core Distributed Application Development with Microsoft Visual Studio 2005;
- Advanced Distributed Application Development with Microsoft Visual Studio 2005.

Further information on these professional courses can be found on our website or can be requested from Customer Services.

SOA courses



Awareness courses

The awareness trainings cover the Service Oriented Architecture and Services concept and provide an initial guide to the possibilities offered by Service Oriented Architecture and what it entails. Capgemini Academy has three SOA Awareness courses:

- SOA Awareness for Consultants
- SOA Awareness for IT Professionals
- SOA Management Game

SOA Orientation

SOA Awareness for Consultants

Duration: 1 day

Does your company have to deal with an increasing time to market, ever faster changing legislation, or continuously growing IT costs? And is your organization looking for opportunities to achieve greater flexibility, transparency, and outsourcing? This course explains the potential of Service Oriented Architecture (SOA) and Service Oriented Enterprise (SOE) to solve such issues.

SOA Awareness for IT Professionals

Duration: 1 day classroom and ½ day e-learning

More and more companies are using the service oriented model of thought as a basis on which to make the structure of business and IT more flexible. When you, as an IT professional, have to deal with service orientation, it is important that you understand the essentials. This course teaches you not only the meaning of the concepts of Service Oriented Architecture (SOA) and web services, but also their benefits and what SOA means for your role as an IT professional.

SOA Management Game

Duration: 1 day

If you are wondering what SOA is exactly and whether SOA could add value to your organization, this management game is a highly suitable training for you. You will play the game with a number of managers and consultants from your own organization, so that after the course you will have a shared perception of the possibilities and consequences of SOA for your organization. This applies to both the internal organization and its relationships with its environment.



Capgemini Academy and SOA courses

- Courses based on SOA expertise and practical experience.
- Directly applicable to actual practice.
- Best practices geared to your situation.
- Trainers with hands-on experience.
- Learning through traditional and innovative methods. (e.g. Gaming, e-learning and LearnWork Labs).
- Flexibility to suit your (business) needs.
- Strategic Partnerships simplify a complex training program.

Capgemini Academy

Capgemini, one of the largest management and IT consulting firms in the world, offers extensive training facilities. We are a company that is globally active in the fields of management consulting, business consulting and IT services. We disseminate the practical experience gained in the field to all our offices via our worldwide intranet. And we incorporate it in our training courses. After all, actual business practice is both the starting point and the ultimate objective of our courses. With approximately 150 trainers, we provide 450 different types of courses. Some 20,000 students attend our courses every year. That makes us one of the largest IT training centers in Europe. Practical, flexible and customized are the keywords in our training programs and in the way we deliver them all over the world.

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