

# Planning and Architecture of Information Systems

Seminar of 3 days - 21h

Ref.: RBA - Price 2025: 2 950 (excl. taxes)

The evolution of information technology and the rapid development of Web-based services have given rise to new approaches that allow for the introduction of architecture that is more adaptable, upgradable and likely to satisfy a company's need for flexibility. What are the efficient approaches to software architecture? How can we manage the complexity of the existing software assets? How can we take advantage of what the new concepts in service-architecture have to offer? These are the stakes of IS architecture.

## TEACHING METHODS

Numerous discussions, exercises (role-playing, awareness-raising), examples, videos.

Several close looks will be given to sensitive issues like budget, communication, risk management, and change management. The presentation is accompanied by a set of standard plans for deliverables and examples to go with them.

## THE PROGRAMME

last updated: 02/2024

### 1) Enterprise Architecture Issues

- The need to master increasingly complex information systems; the company as part of an ecosystem.
- The stakes of Enterprise Architecture: managing the complexity; knowledge management; communicating; combining efforts;
- A new definition of Enterprise architecture: from theoretical vision to on-the-ground reality; the benefits of service a

### 2) General presentation of generic models and general approaches

- Organizing IS layers; a general understanding of the classical EA model and the relationships among IS layers; examples.
  - Determining a new frontier between information system and computer system.
  - The IS Enterprise-Architecture process: the classical approaches, critical analysis, and emergence of a "third way."
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- Enterprise architect, architect, and specialist: their roles, hierarchical positions, skills, respective contributions

### 3) Modeling and mapping

- The role of mapping in the Enterprise Architecture Process: the steps of IS transformation; producing a global graphical
- The City Planning Metaphor: the metaphor's origin and stakes; applying Comprehensive Development Area Map and building-p
- Enterprise-architecture rules: instructions for relevant implementation.
- A suggested blended-method.

### 4) Modeling tools

- Synthesis and examples of products (i.e., tools) on the market.
- Tool stakes, benefits and limits.

## PARTICIPANTS

This seminar is for all information-systems managers who are seeking to concretely understand information-systems architecture.

## PREREQUISITES

Basic knowledge of the IS Components.

## TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

## ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more. Participants also complete a placement test before and after the course to measure the skills they've developed.

## TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

## TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training.

## ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@ORSYS.fr to review your request and its feasibility.

- How to organize ourselves to use these tools: contributions, roles and responsibilities of each player.

#### 5) The Enterprise-Architecture Project

- How to organize the project.
- Objectives, deliverables, organizing the teams, role distribution, steps.
- Risk management and key success factors.

## DATES

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### REMOTE CLASS

2025 : 23 sept., 16 déc.