Course : The company faced with the challenges of Cloud, BYOD and Big Data

Synthesis course - 2d - 14h00 - Ref. MBD
Price : 1720 € E.T.

★★★★★ **5 / 5**

To cope with the explosion in data volumes and the growing number of personal mobile devices, new technologies such as Cloud and Big Data, as well as new concepts such as BYOD - connecting personal computer equipment to the corporate network - have emerged. This seminar will help you understand the structural impacts and contributions of the major advances represented by Cloud, BYOD and Big Data, as well as the need to adapt IS governance to this new reality.

Teaching objectives

At the end of the training, the participant will be able to:

- Define the fundamental principles of Cloud, BYOD and Big Data
- Identify the structural impacts of Cloud, BYOD and Big Data
- Assessing the benefits of the Cloud, BYOD and Big Data
- Integrate managerial, organizational and technical issues into IS governance

Intended audience

Company directors, financial directors, business managers, project managers, controllers, IT managers, consultants, auditors, IT specialists.

Prerequisites

No special knowledge required.

Course schedule

PARTICIPANTS

Company directors, financial directors, business managers, project managers, controllers, IT managers, consultants, auditors, IT specialists.

PREREQUISITES

No special knowledge required.

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.

1. Revolutionizing today's IS

- Why companies need to face up to the 3rd IT revolution.
- Investments in these technologies are already worth tens of billions of dollars.
- More than half of IT spending will be outside the control of CIOs.
- A real strategic challenge for CIOs!
- Risk of marginalizing the majority of current governance, operating and project management practices.
- The impact of the Cloud, BYOD and Big Data on corporate information systems.

2. The Cloud Revolution

- New cloud tools based on the SPI model (SaaS, PaaS, IaaS).
- New emerging players are marginalizing the traditional players in the IT sector.
- This new market is currently dominated by a bookseller, an advertising agency and a publisher...
- A 360° review of the contributions of the Cloud revolution to all aspects of the business.
- Strategic issues, outsourcing, impact of changes on business processes.
- Impacts on management, organizations and people, issues, partners...
- The state of the art of Cloud Computing best practices in terms of deploying tools, technologies...
- New tools: SaaS, PaaS, IaaS. The different Cloud Computing models, HaaS (Hardware as a Service).
- BPaas, XaaS... how do you define the other variations of the Cloud?
- What benefits can you expect? Which technical architectures to choose?
- ERP in the cloud? What's the impact? What's at stake?
- What are the new organizational and governance models? How should the IT Department position itself?

3. The BYOD revolution

- These new hybrid uses "pro-perso" can no longer be ignored.
- How can we integrate them into a global approach to anticipate tomorrow's innovative solutions?
- Generation Y is arriving in our companies with a host of new equipment.
- New tools: mobility, the mobile revolution (NFC, RFID...), the tablet, DaaS, the virtual office/workstation...
- What questions should you ask yourself before opting for BYOD?
- What's the fundamental difference with traditional tools?
- What benefits can we expect? What fundamental changes can we expect over time?
- What are the safety and legal issues at stake?
- Who are the customers? Where do their needs come from? How can we satisfy them?
- How should the IT Department position itself?
- Why do we need to be prepared?

4   The Big Data revolution

- The new tools of Big Data.
- Repositories, Master Data Management, Business Intelligence, Data Warehouse, Data Mining, Open Data...
- Take a more scientific approach to decision making, using evidence-based decision making.
- Detailed knowledge of customers, their habits and the competition has become a major competitive lever.
- New professions are emerging, such as data scientists and information managers.
- Understand business needs in the area of decision-making.
- What are the guidelines for moving forward?
- What's the fundamental difference with traditional tools?
- How do you combine structured and unstructured data?
- What benefits can we expect? What fundamental changes can we expect over time?
- What is the initial feedback? In what areas are Big Data solutions or projects being developed?
- How should the IT Department position itself?

5   Managerial issues

- Strategic: why does the company need to review its tools and practices?
- Management: how are these new concepts changing management methods?
- Organization: how do these tools significantly change current organizational structures?
- Technique: tools literally transform traditional architecture.
- Finance: the economic challenges bring solutions where investment costs are much lower.
- Legal: new partnerships and contracts need to be signed.
- Security: confidentiality and operational risk issues are explained.

6   Tips for making the most of the 3rd IT revolution

- How do you approach these new concepts?
- What are the opportunities, benefits, challenges and potential risks?
- How and where to start?
- How do you carry out your first experiments?
- Which internal and external players need to be identified?