

DIGITAL TRANSFORMATION



Introduction

Digital transformation is inevitable and the need for it has been accelerated by COVID-19. The pandemic has wrought extensive economic damage, forcing businesses, organisations and government agencies to embark on a digital transformation fast-track in order to not become obsolete.

Many new technology trends are emerging and driving digital transformation. Although some of these technologies are still in its infancy, now more than ever is the time to get a solid understanding of these trends, exploring their potential, benefits and drawbacks.

The 1-day Digital Transformation course will answer questions such as what these trends are, how these can be applied and what the possible implications are for your organization.

Audience

This course is perfect for companies that want to work better with digital technologies and need a bit of direction to focus their energy. Your organisation may be:

- A business, organisation or government agency that feels like it has fallen behind in the use of technology and wants to set a (new) strategy.
- An organisation that is looking to modernise internal processes and systems, to make them more efficient and/or future-proof.
- A consumer-focused company who wants to use technology to better support customers' experiences, build long lasting customer loyalty and revenue streams.
- A digital agency, solution developer/provider, IT consultancy, that wants learn more about new technologies in order to be able to better support clients and win more business.

You may be:

- Management and senior management who contribute to the organisation's strategy, and/or department's direction.
- Someone who wants to learn new skills and ways of thinking about digital, to apply to your work environment and boost your career.

Course Benefits

After completion of the course the participant will be able to:

- Explain digital transformation and its impact on the future of your business and industry
- Identify the current state of your organisation's IT strategy and add valuable contribution to the digital transformation strategy of your department and the organisation
- Discuss these technologies confidently with vendors and make well-informed decisions for your organisation on the strategy, which includes selection of technology/solutions to implement at the right time and for the right purpose in this fast paced digital landscape to ensure the business remains relevant, competitive and sustainable

The course will also provide valuable insight in various technologies which are critical to Digital Transformation for your organization. You will also be able to:

- Gain solid understanding of Blockchain, Big Data and Artificial Intelligence (AI)
- Identify the different types of Blockchain, Big Data and AI; their applications, their benefits and drawbacks
- Understand Cloud Computing and the different models, criteria and considerations for selection and implementation, including financials, legal, security and migration
- Understand IoT and the different categories, their applications, the criteria for implementation including costs, security and privacy aspects.

Prerequisites

None. Just a willingness to look critically at current situations, to be able to imagine what could be better, and to have the drive to make it happen.

- **IT Strategy**
 - The old-fashioned way
 - The traditional way
 - The modern way
- **Digital Transformation**
 - What is digital transformation
 - Digital transformation frameworks
 - Potential benefits
 - Where are we standing
- **Technology Trends**
 - Technology trends
 - High-level strategy
 - Research and Development
- **Blockchain**
 - What is blockchain
 - How it works
 - Example of application
 - When to consider blockchain
 - Types of blockchain
 - Benefits and drawbacks
- **Big Data**
 - What is Big Data
 - What is Data Science and Data Analytics
 - Data Science lifecycle
 - Possible applications
 - Benefits and drawbacks
- **Artificial Intelligence**
 - What is Artificial Intelligence (AI)
 - History of AI
 - AI Technologies
 - Benefits and drawbacks
- **Cloud Computing**
 - Cloud computing guidelines
 - Characteristics of cloud computing
 - Service models
 - Deployment models
 - Strategy
 - Financial considerations
 - Legal and compliance
 - Security
 - Business Continuity
 - Migration strategy
- **Internet of Things (IoT)**
 - What is the Internet of Things (IoT)
 - Glossary
 - Standards / protocols / communication
 - Categories
 - Challenges
 - Ecosystem
 - Strategy
 - Cost considerations
 - Risk
 - Security

Delivery Structure and Methods

This course is lectured by an EPI Certified Instructor using a combination of lectures and question-and-answer sessions to discuss participants' specific needs and issues experienced in their own environment. Participants are able to tap into the trainer's extensive experience to enable them to solve practical problems in their current environment, thus gaining tremendous value.

The Digital Transformation course is available in the following delivery methods:

- ILT – Instructor Led Training
- VILT – Virtual ILT
- TOD – Training On Demand

Examination

The Digital Transformation exam is optional. The exam is a 45-minute exam, with 25 multiple-choice question and available online. The passing rate is a minimum of 15 correct answers and the results are known immediately.

Certification

Candidates who successfully pass the exam will receive an EPI Certificate of Achievement upon passing the exam. The certification is valid for three years after which the student needs to re-certify.

Course Schedule

The course is available 24x7x365 worldwide through TOD. ILT training is available through our extensive training network which is present in over 60 countries. Additionally, classes can be arranged through our VILT delivery for organisations who want to train their staff who are based in different geographies without incurring high cost of travel. Visit EPI website or contact your local authorised reseller/partner.



EPI IT Training Framework[®]

Governance / Operations

CITD[®]

Certified IT Director

CITM[®]

Certified IT Manager

CITO[®]

Certified IT Operator

The EPI IT Training Framework[®] is the first and only vendor-neutral, competency-based, IT Training Framework in the world for IT professionals to keep up-to-date and remain relevant in this fast-paced and increasingly complex industry. It is also aligned to the European e-Competence Framework (e-CF), which is also a standard for the digital economy, the EN 16234-1.

The Company

EPI is a data centre specialist company of European origin operating world-wide in over 60 countries through direct operations and a large partner network. EPI offers an extensive range of data centre services on auditing, certification and training. EPI's focus is on mission-critical, high-availability environments. Established in 1987, EPI has developed an international reputation for delivering high quality technical expertise, with flexible and innovative services, techniques and methodologies.

All our services are aimed at helping our customers to:

- Increase **Availability** of their mission-critical infrastructure
- Improve **Efficiency, Effectiveness** and **Manageability**
- **Minimise risk** of business interruption

Our Clients share a common need to protect their valuable data, run their mission-critical infrastructure efficiently and to be protected on a 24 x 7 basis. By protecting the interests of our customers, EPI is committed to an intensive program of comprehensive services development backed by engineering and support excellence.

Quality Systems and Procedures have always been at the heart of every stage of our service delivery to ensure consistent and high quality services. We are known for our thoroughness, flexibility and responsiveness. We focus on providing services that fit each organisation and each project with a drive to deliver quality on time, every time.

Let us put our expertise to work for you!



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