

The Core Fundamentals of Blockchain Technology

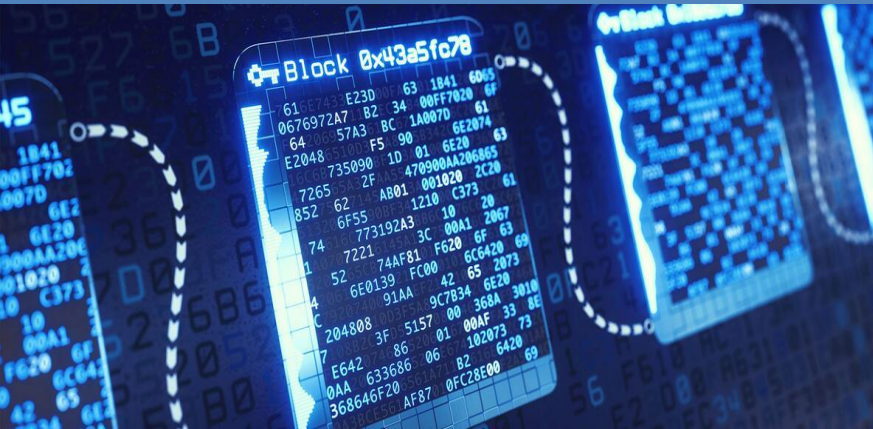
Skills and expertise to help you increase your knowledge in the field of digital technologies

About this workshop

This two day online workshop is designed to familiarize you and your team with the fundamental knowledge on Blockchain technology. Nevertheless, overall trust in individual relationships with Blockchain has become an increasingly prominent issue. Blockchain Technology unfolds its full potential together with other technologies and applied in real-world applications. Understand how the use of Blockchain technologies can provide transparency, integrity as well as traceability and will be hardly visible to the users in the future.

Highlights

- Analyzes how privacy and security concerns about Blockchains have an impact on the user's attitude and behavior.
- A Blockchain user model by integrating security and privacy as primary influencing factors of trust and behavioral intent.
- Cognitive role in embedding privacy and security in Blockchain.



By the end of this course, you'll be able to:

- Describe the underlying economics of innovations based on Blockchain as an emerging technology.
- Blockchain industry Use Cases.
- The role of cryptography to secure Blockchain.

Prerequisites:

Participants attending this course should be familiar with basic Information Technology (IT) concepts, business challenges and the role of general system wide infrastructure technologies and their applications.

Target Audience:

This workshop is equally ideal for end-user customers, IT and business managers and planners, database and application developers, architects and analysts, technology managers and presales professionals including security, audit and legal teams who want to equipped themselves with the foundational knowledge of Blockchain technologies.

Unit 1 – Blockchain Fundamentals

- Blockchain behind the hype and the Problem Era.
- What is a Blockchain and How does Blockchain work?
- Understanding Ledgers, Transaction and Contract in general.
- Components of a Blockchain solution.
- Actors in a Blockchain solution.
- Four fundamental components of a Blockchain for business.
- Why Blockchain is relevant for business – Benefits.
- Understanding System of Records, System of Engagement, and System of Interaction.
- Understanding Public vs Private Blockchains.
- Public and Private Blockchain Application Platforms providers.
- Benefits of using Blockchain technology.
- Blockchain Technology Stack.
- Understanding Smart Contracts.
- Are you ready for Blockchain?
- How can Blockchain impact an entire industry? Use Case.
- Industries powered by Blockchain.
- A logistics business developed a joint global trade digitalization platform.
- A comparison between Blockchain and Database – Summary.
- Glossary of Blockchain.

Unit 2 – Understanding Cryptography's Role in Blockchain

- Understand the fundamental concepts of security models.
 - Generalized Security Framework, Traditional Approach to Security, and Enterprise Security.
- Describe the role of confidentiality, integrity & availability.
- Understand Cryptography and Cryptography methods – Symmetric, Asymmetric, Public Key Infrastructure.
- PKI Certificate Authority and PKI Key Management Practices.
- Describe Digital Signatures and Nonrepudiation.
- Understand the role that confidentiality, integrity, and nonrepudiation play in cryptosystems.
- Understand Hashing algorithms and SHA-256.
- Understand Transparent Layer Security.
- Assess and mitigate vulnerabilities in mobile systems.

Unit 3 - Blockchain Project Phases and Framework

- Recommended way to start projects based on Blockchain.
- When to consider a Blockchain solution.
- Recommended Blockchain engagement model overview.
- Design Thinking – An Overview.
- Seven high-level phases of a project management.
- Using Blockchain as a project management device.
- Enterprise Blockchain Framework.
- How to best choose the appropriate Enterprise Blockchain Framework.
- Blockchain best practices enterprises need to know.

Detail Information

Course Code	: TN314
Course Duration	: 2 Day Online Workshop
Course Location	: TLC and Customer On-site.
Terms & Conditions	:100% payment in advance.
Course Deliverable:	Comprehensive Student Guide and Course Certificate

For additional information,

please write to us at:
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Opportunities are made,
not found