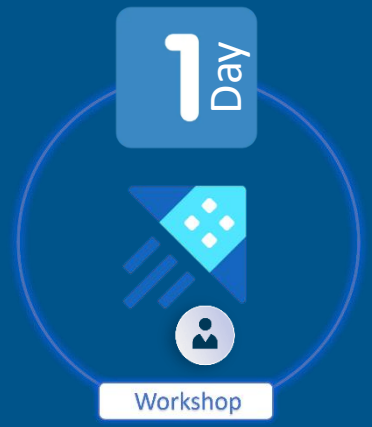
Executive Leadership Series

Blockchain Technology for Business and Technology Leaders

TLC Education & Training Services



This workshop will be delivered by Certified Blockchain Expert – Blockchain Council

- Board of Directors
- CXO's
- Business Executives
- Technology Executives
- Entrepreneurs
- Strategic Planners
- Project Managers
- Enterprise Architects

Blockchain Technology for Business & Technology Leaders

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

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About this workshop

We are on a mission to transform the senior business executives and technology leadership teams on the potential knowledge on enterprise digital emerging technologies with a one point agenda that you nothing to lose but everything to gain.

In this session, audience will understand Blockchain Consensus Algorithms, Smart Contracts, a core idea and computational model of Blockchain that enables automation, autonomy, scalability and transparency. How to think of innovative application models, leveraging the blockchain technology using one of the top six frameworks.

With a thorough and well-structured course material, this course helps executives build a strong foundation in Blockchain technologies related concepts and then advance their practical skills and knowledge in the subject through real-world examples and use-cases.

You will learn the proven ways of approaching different business problems by following Blockchain frameworks targeting phase-wise project management approach and an implementation methodology following Blockchain best practices and business use cases.

Financial compliance is now a international concern. The global cost of compliance in the financial sector alone is estimated to be around **$180.9 billion** per year. Research estimates online fraud losses will exceed **$48 billion** per year by 2023.

45% of banks say their investigations take too long to complete, and **40%** say the investigations result in a high number of false positives, which occur when legitimate transactions that have been mistakenly flagged as fraudulent.

Target Audience for this course

- BODs, CXOs, Executive Management Team, Director IT, GM IT, Business and Technology Leaders, Digital Leaders, Data Analytics and Data Science professionals, Enterprise Architects, Senior Project Managers, and Business Analysts.

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. The course assumes that learners have zero knowledge of Blockchain technology.

What's the Future of Blockchain in the Business World and related challenges?

- As per a PwC report, **77%** of the financial institutions are anticipated to embrace blockchain technology as a core part of their in-production system or process by the end of 2020.
- Gartner forecasts that blockchain technology will generate an annual business value of around **USD 3 Trillion** by **2030**.
- Financial crime is becoming a greater threat for banks, business institutions, and individuals to handle and control.
- Regulators and financial authorities are challenged to introduce new strategies to **detect** and **prevent** financial crime using **Digital Technologies** and draw a distinction between **fraud** and **financial crime**.
- Review why applications following generalized security framework, traditional approach to security and enterprise security are struggling hard to protect data and why Blockchain is the only solution stands out as a most secure platform today.

Unit 1 – Blockchain – A Disruptive Technology

- Challenges Traditional Business Model is Facing.
- Blockchain behind the hype and the Problem Era.
- What is a Blockchain and How does Blockchain work?
- Understanding Ledgers, Transaction and Contract in general.
- No Third-Party Intermediaries – What does it mean?
- Understanding Distributed Peer-to-Peer Network in Blockchain.
- Who are Miners and their tasks and types.
- The Role of Consensus and their Algorithms – Proof-of-Work.
- Explaining Blockchain Ecosystem Components.
- Key fundamental components of a Blockchain for business.
- Understanding Public vs Private Vs Federated Blockchain.
- Blockchain Application Platforms and Technology Stack.
- Understanding Smart Contacts and their types.
- How can Blockchain impact an entire industry? Use Cases.
- Blockchain for Traceability and Key Traceability Concepts.

Unit 2 – Blockchain Project Phases & Framework

- Recommendations for starting a Blockchain project?
- Business criteria to consider a Blockchain solution.
- Blockchain delivers business value in three primary areas.
- Implementation challenges in Blockchain Technology.
- Recommended Blockchain engagement model overview.
- Design Thinking – A brief overview.
- Solution Design – A methodology to follow.
- Criteria for developing a Blockchain project roadmap.
- Seven high-level phases of a project management.
- Why most project fails?
- The adoption of Blockchain technology – Key Prerequisites.
- Using Blockchain as a project management device.
- Seven Phases of Blockchain Implementation.
- Enterprise Blockchain Framework.
- Leading enterprise frameworks for implementing Blockchain solutions
- How to best choose the appropriate Enterprise Blockchain Framework.
- Generic Layered Architectural model for Blockchain application.
- Blockchain Research Landscape.
- Blockchain best practices enterprises need to know.
- Key Steps in Block Adoption – Blockchain in Banking industry.
- Steps to Create your Blockchain Solution.
- Tutorials – Resources for using different Hyperledger projects.

The course features a detailed overview of the blockchain ecosystem, covering the various challenges and blockchain platforms in a broader prospect. You will also acquire in-depth knowledge of other decentralization models and different types of Blockchain frameworks.

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Certified Blockchain Expert – Blockchain Council

Detail Information

Course Code	: TN415
Course Duration	: 1 Day Workshop
Course Location	: TLC, Online 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: info@tlcpak.com

Opportunities are made, not found

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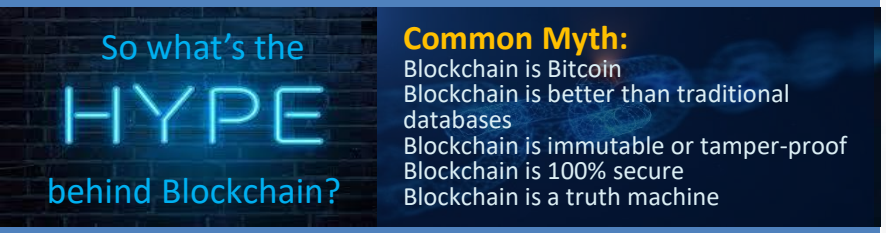
Why this workshop is targeted for Senior Business Executives and Technology Leadership Teams?

The role of senior business executives and technology leaders in considering blockchain technology is an important and relevant topic for today's organizations. Blockchain technology is a distributed ledger system that enables secure and transparent transactions among multiple parties, without the need for intermediaries or central authorities.



Common Myth:
Blockchain is Bitcoin
Blockchain is better than traditional databases
Blockchain is immutable or tamper-proof
Blockchain is 100% secure
Blockchain is a truth machine

Blockchain technology can offer many benefits for businesses, such as:

Increased trust and efficiency: Blockchain technology can help businesses create a shared and immutable record of transactions, events, and data, that can be verified by all participants in the network. This can reduce the need for costly and time-consuming reconciliations, audits, and intermediaries, and increase the speed and accuracy of transactions.

Enhanced innovation and collaboration: Blockchain technology can enable businesses to create new business models, products, and services, that leverage the power of distributed networks and smart contracts. Smart contracts are self-executing agreements that can enforce the rules and terms of a transaction, without human intervention. Blockchain technology can also foster collaboration and cooperation among different stakeholders, such as customers, suppliers, partners, regulators, and competitors.

Improved security and compliance: Blockchain technology can provide a high level of security and privacy for businesses, by using cryptography and consensus mechanisms to protect the data and transactions on the network. Blockchain technology can also help businesses comply with regulatory and legal requirements, by providing a transparent and auditable trail of transactions and data, that can be accessed by authorized parties.

The importance of Blockchain Technology for C-Level Business Executives and Technology professionals

Blockchain technology is essential for **CXOs** due to its potential to transform various aspects of financial management and decision-making. Here are some key reasons why CXOs should pay attention to blockchain:

1. Enhanced Transparency and Trust:
- Blockchain provides an immutable and transparent ledger for recording transactions. It ensures that financial data is accurate, secure, and tamper-proof.
- CXOs can benefit from increased transparency in financial reporting, audit trails, and compliance with regulations.

2. Efficient and Secure Transactions:
- Blockchain simplifies transaction validation between parties, eliminating the need for intermediaries and reducing reconciliation efforts.
- CXOs can leverage blockchain to settle transactions faster, reduce capital requirements, and enhance operational efficiency.

3. Single Source of Truth for Accounting Data:
- Blockchain creates a single, shared source of truth for financial data. All participants in the network have access to the same information, reducing discrepancies and errors.
- CXOs can rely on accurate and consistent data for financial analysis, planning, and decision-making.

4. Cost Reduction and Process Optimization:
- By streamlining processes and automating workflows, **blockchain** can reduce costs associated with manual reconciliation, auditing, and compliance.
- CXOs can allocate resources more efficiently and focus on strategic initiatives.

5. Risk Management and Fraud Prevention:
- Blockchain enhances security by using encryption and consensus mechanisms. It reduces the risk of fraud, unauthorized changes, and data breaches.
- CXOs can mitigate financial risks and ensure the integrity of financial data.

In summary, **blockchain technology** empowers business executives and senior technology leadership teams to make informed decisions, improve financial processes, and drive organizational efficiency. By understanding its implications, CXOs can position their organization for success in the digital age.

Blockchain technology has a significant impact on modern businesses, and its influence is only growing. Here are some key points about the role of blockchain for business and technology executives:

1.Enhanced Transparency and Trust:
- Blockchain automatically tracks transactions from start to finish without relying on a central authority. It eliminates the need for intermediaries and ensures transparency.
- Each transaction is securely recorded in an immutable digital ledger, making it tamper-proof and trustworthy.

2.Data Security and Privacy:
- Blockchain ensures the immutability of transactions and uses encryption to secure data. It provides a secure and transparent record of transactions, reducing the risk of fraud or unauthorized changes.
- By eliminating intermediaries, blockchain bolsters data security and privacy.

3.Cost Reduction and Efficiency:
- Blockchain can reduce overhead costs and streamline processes by replacing traditional intermediaries with mathematical algorithms.
- Executives can benefit from understanding cryptocurrency and non-fungible token (NFT) assets created, transferred, stored, and verified on the blockchain.

4.Business Transformation Opportunities:
- Blockchain disrupts traditional organizational processes and offers innovative ways to manage assets and transactions.
- Executives should explore how blockchain can transform their industry and business operations.

In summary, blockchain technology has the potential to revolutionize various aspects of business, from accounting to supply chain management. Executives who grasp its implications can harness its power to drive innovation and efficiency in their organizations.