



WHY SIRIUS FOR BLOCKCHAIN SOLUTIONS?

Sirius helps organizations define and develop their blockchain strategy. Our expert consultants and architects will first guide you through our repeatable methodology to establish an understanding of blockchain concepts. We will identify and select the most appropriate use cases for pursuit, establish consensus for workshops and proofs of concept, and explore next steps as appropriate.

To learn more about Sirius blockchain solutions, contact your Sirius representative.

ENTERPRISE BLOCKCHAIN

IMPROVE TRANSPARENCY, TRACEABILITY & TRUST

Do your business units or vendors require a clear line of sight into their products and assets for exchange? Are you able to increase accountability or deliver end-to-end transparency?

Organizations across industries and around the globe are implementing blockchain technologies to help them streamline, automate and guarantee the validity of transaction processes. With blockchain, assets or records are tracked in a shared distributed ledger, practically eliminating any chance of error, misinterpretation or corruption. Everyone who is assigned access to the chain has a clear line-of-sight to the same information, which ultimately improves trust so you can quickly move to the next phase of the transaction.

- Do you have requirements for data to be shared between multiple parties?
- Is there a low level of trust between parties in your extended business network?
- Is there significant back-and-forth interaction between parties in the course of a transaction?
- Do the parties in your business network expend significant effort to reconcile data and information?
- Do contractual/rules ambiguity within your business network result in a high incidence of dispute?
- Do you experience duplication of logical processes on each side of a business transaction?

Depending on your answers, blockchain and distributed ledger solutions may be ideal for your business. Sirius' expert consultants and architects can guide you through these common challenges, confirm the viability of your specific use-case, and take steps to deliver intended business value outcomes.

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KEY CONCEPTS OF BLOCKCHAIN TECHNOLOGY



Shared Ledger

Append-only distributed system of record shared across business network



Smart Contract

Business terms embedded in transaction database & executed with transactions



Privacy

Ensuring appropriate visibility; transactions are secure, authenticated & verifiable



Trust

Transactions are endorsed by relevant participants

BENEFITS OF BLOCKCHAIN

- Focused business process redesign
- Business rule enforcement with smart contracts
- Transaction validation through consensus
- Visibility into otherwise siloed information
- Data lineage and traceability for operational analytics
- Near costless verification
- Opportunity to enable AI and IoT technologies

GETTING STARTED: SIRIUS BLOCKCHAIN ENGAGEMENT

Sirius Blockchain services are uniquely positioned to bring an agnostic approach to your unique business challenges across both Hyperledger and Ethereum running on IBM Cloud, AWS, Azure, or in on-premises environments. The Sirius Blockchain Methodology positions your initiatives accurately across many solution objectives. Whether your requirements dictate a full development project, a product- or vendor-centric initiative, pursuit to join an existing blockchain or need for integration with legacy systems of records, Sirius can help you structure and deliver the appropriate outcomes to your business requirements. Before a proof of concept, we walk clients through the following engagements:

| Briefing | Envision Workshop | Create Proof-of-Value | Create Production/ Operate |
|--|---|--|--|
| <ul style="list-style-type: none">• Business value proposition and technology overview• Discipline required• Ecosystem and stakeholders• Sample and client's target use cases | <ul style="list-style-type: none">• Formal use case definition• Current state process mapping• Storyboard future state• Proof-of-value scope• Architectural options | <ul style="list-style-type: none">• Detailed requirements• Design, development and testing• Waterfall or agile methodology | <ul style="list-style-type: none">• Detailed production requirements• Design, development and testing• Infrastructure scale• Security• Resiliency• Support services |