

Criteria to Consider When Deciding on a Blockchain Use Case

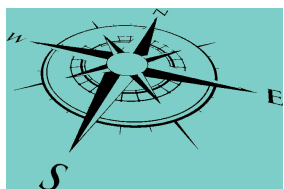
This model asks a series of strategic questions to help an organization determine if a blockchain solution is appropriate for it.

This document was developed by a voluntary committee of subject experts. Upon completion, the draft document was reviewed and vetted with a group of peer reviewers and the Standards Board, an oversight committee for the Standards Program. For approval, the document obtained more than a simple majority vote favoring the publication and release of the document. All objections and comments received on the draft were discussed by the committee prior to approving the document. This document will be reviewed upon its 3-year publication anniversary and revised as necessary.

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3D PDF Consortium (3DPDFC)

Description:

The 3D PDF Consortium is a community of end user companies, software developers, and system integrators who are passionately dedicated to 3D ubiquity and are working together to make that a reality.

Stakeholder(s):

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This report was drafted and approved by the ECM Standards Blockchain Committee. At the time this report was drafted and approved, the ECM Standards Blockchain Committee had the following members.

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3D PDF Consortium

Mission

To facilitate deciding whether to use blockchain

Values

Data

Trust

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Use Cases

Identify use cases for blockchain

Step 1. Databases

Determine whether the potential use case involves a database

Performance Indicators

Database Required

Description	Type	Yes/No	Start Date	End Date
If not, don't use blockchain	Target			
	Actual			

Step 2. Users

Determine whether there will be numerous users updating the database

Performance Indicators

Numerous Users

Description	Type	Yes/No	Start Date	End Date
If not, use a centralized database	Target			
	Actual			

Step 3. Trust

Determine whether the users need to trust each other

Performance Indicators

Mutual Trust

Description	Type	Yes/No	Start Date	End Date
If not, use multiple copies of a centralized database	Target			
	Actual			

Step 4. Other Entities

Determine whether there would be problems associated with using a central/third-party entity

Stakeholder(s):

Intermediary Service Providers

Performance Indicators**Third-Party Problems**

Description	Type	Yes/No	Start Date	End Date
If not, use a third party/ intermediary	Target			
	Actual			

Step 5. Dependencies & Interactions

Determine whether the transactions depend upon or interact with each other

Performance Indicators**Dependencies/Interaction**

Description	Type	Yes/No	Start Date	End Date
If not, use a master/slave database	Target			
	Actual			

Step 6. Usage

Use a blockchain

Stakeholder(s):

Blockchain Service Providers

Performance Indicators**Usage**

Description	Type	Yes/No	Start Date	End Date
If you have answered each of these questions in the affirmative, the next step would be to conduct a risk analysis.	Target			
	Actual			

Relationships

Risk Assessment - <http://stratml.us/forms/walt5.pl?url=https://stratml.us/carmel/iso/part2/BSRACwStyle.xml>: Click on the link to open the template for editing with the content applicable to your business case.

Administrative Information

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