# Blockchain Platform Assessment

PwC Emerging Technology January 2022



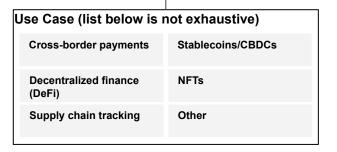
### Plan for Platform Assessment

### Goal will be to do the following:

- Develop a high-level framework to filter which blockchain platforms are worth analyzing in greater detail
- Select the top protocols in each use case category by using the filtering mechanisms
- Evaluate each of the selected blockchain protocols in greater detail using detailed analysis (specifics are TBD)
- Then provide a Q&A filter to direct interested parties to the best blockchain for their use case

# Platform Filtering

We should consider a variety of characteristics to filter the protocols for evaluation. Below, in descending order, are some of the factors which should help to discern which protocols are most appropriate for further evaluation.

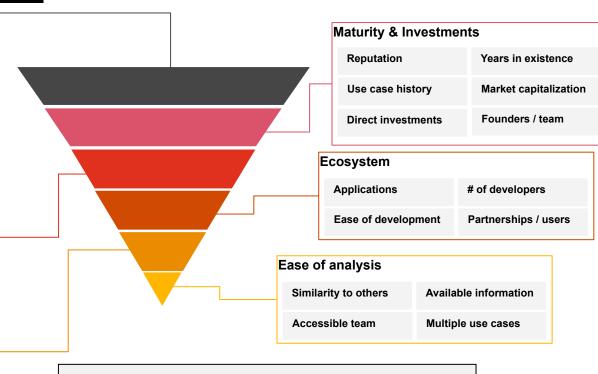


Performance	
Speed	Cost
Scalability	Security
Decentralization	Composability

## Unique Characteristics

Public/private offering

Blockchain vs. database vs DLT



#### Other considerations:

- Which use cases should be weighted most heavily?
- Should we separate them at the end based on characteristics?
- How many should we select within each use case?

### Detailed Analysis Components

### **Scoring Overview**

Our analysis is intended to be holistic, and compares each protocol against several metrics. Note that a rating of one (1) or two (2) indicates a weak capability for the metric, three (3) indicates an average capability, four (4) indicates a strong capability, and five (5) indicates that the protocol is a leader in that metric. The protocols that rank the highest using these metrics will be evaluated in further detail. The metrics are shown below:

#### 1. Investments:

- Number of unique investors and the caliber of investors
- Total dollar value of investments
- Number and size of funding rounds

#### 2. Ecosystem:

- Number of applications built on the blockchain protocol and number of developers working on the protocol
- Usefulness, robustness, and level of application adoption
- Community outreach initiatives
- Number and type of available coding languages
- Number and caliber of partnerships with the platform

### 3. Composability:

- Smart contract programmability or turing complete capabilities, and ease of application development
- Interoperability with other blockchains and layer 2 solutions (if applicable)
- 4. Performance: speed, cost, scalability, security, and decentralization
- **5. Maturity**: number of years the company has been in existence, when the protocol was launched and how long its use cases have been active, market capitalization, number of employees
  - (this definition does **not** include how far along the platform is in reaching its stated goals, the maturity of its investors or how long it has held its investors, or the amount of subjective "work" that has gone into maturing the company through governance, security checks, third party reviews, etc.)



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