























| Introduction to Blockchain | | |
|----------------------------|---|--|
| Feature | Traditional Database | Blockchain |
| Location | One central database copy | Each node stores a complete copy of the Blockchain |
| Operations Supported | Crete, Read, Update, Delete (CRUD) | Read, Write |
| Performance | Optimized for short response time and high-throughput | Not optimized for performance |
| Integrity | Dependent on DBMS and application | Consensus and immutability provide integrity |
| Transparency | As allowed by central DBMS | Each node stores a complete copy of the Blockchain |
| Control | Centralized | Decentralized |









| Characteristic | IEO | ICO | STO |
|-------------------------|--|---|---|
| Token Sale | The exchanges are selling the tokens once listed. | The issuer is responsible for the sale. | Security token issuer taker care of the fundraising process. |
| Marketing & Advertising | Exchanges do all the marketing and advertising. | Project teams take care of all the advertising and marketing. | The team behind the project does the marketing and advertising. |
| Transactions | Investors transact directly with the token issuer. | | |
| | No trust issues; exchanges ensure due diligence before listing a token. | There are trust issues due to some token issuers providing misleading information. | High trust levels since the tokens have intrinsic value / they represent real assets. |
| Security | Highly secure since all transactions happen within the exchange website. | Highly insecure as transactions happen on ICO project website which could lack proper security measures. | Highly secure since the token falls under regulations like under the SEC In the US. |
| Fees | Exchanges charge issuers commission. | No fees. | No fees. |
| Regulation | Unregulated. | Unregulated. | Regulated. |











