**How is the verifiability of blockchain has been attained?**

**Ans:-**

To guarantee trust, testers must ensure that all the components of a blockchain are working perfectly and that all applications are interacting with it in a trusted manner. Some of the core tests that should be run include [functional](https://www.scnsoft.com/services/software-testing/functional), [performance](https://www.scnsoft.com/services/software-testing/performance), API, node testing, and other specialized tests. So here is what they entail in a nutshell:

* **Functional testing:** This is a holistic process that evaluates the work of various functional parts of the blockchain (e.g. smart contracts).
* **API testing**: Application Programming Interface tests address the interaction between applications in the blockchain ecosystem. It checks to ensure that API requests and replies are formatted and handled properly.
* **Performance testing**: It identifies performance bottlenecks, suggests the methods of fine-tuning the system and reviews if the application is ready for launching.
* **Node testing**: All heterogeneous nodes on the network must be tested independently to ensure smooth cooperation.