

The relation reliability with safety and security

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Reliability of a system is the chance that it works properly success at a predetermined period time under a specific condition (a time can be uninterrupted or separated), reliability research in hardware began with the issues of machine conservation in overdue 1930s while research of software reliability appear in 1970s .

Reliability is interested with whether a regulation can be work property successfully , In the course of the possibilities, it can be taken as a quantitative gauge.

Safety can be defined as the avoidance of conditions that can causes injury sever damage loss of life equipment and possibly the surrounding environment, which is interested with a characteristic type of fail in another meaning safety ticklish fail it perhaps reason damage conclusions, safety maybe considered as a section of reliability strict safety ticklish requests commonly advocate earnest confrontations to how to a chive and how to subscribe issues. Then it probably considered as a separate part of unsuccessful system which means the technological zone including whole failure guided or failure lead sides. Then it can be comprise reliability, safety and security.

Security is related with whether system can resist external attack. So in actuality is like to the interest of sensitivity issue in computer connection networks, so it perhaps be a powerful correlation between reliability and safety and security. While if we confirm the exterior (outside) lead to a system washout, therefore it may be consider security as break up a portion of unsuccessful system.

[1] Kai-Yuan Cai. "Introduction to Fuzzy Reliability" Springer Nature, 1996.

[2] Farhad Ahamed, Farhad Ahamed and Athula Ginige " Cloud Computing Security and Reliability

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in another meaning