Modularity (glossary)

From SEBoK
modularity

(1) Degree to which a system or computer program is composed of discrete components such that a change to one component has minimal impact on other components. (ISO/IEC 2011)

(2) Software attributes that provide a structure of highly independent components. (ISO/IEC/IEEE 2010)

(3) In a resilience context modularity is a system resilience principle that states that the functionality of a system should be distributed through various nodes of that system so that if a single node is damaged or destroyed, the remaining nodes will continue to function. Jackson (2016)Modularity is a component principle in the tolerance attribute grouping. Jackson (2016)

Sources


Discussion

also called localized capacity

SEBoK v. 2.1, released 31 October 2019


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