· When and how these modufications need to be carried out , determines be cential out on all copies, to ensure consistency. different from the rest. Consequently, modifications have to e If a copy (i.e. a replication) is modified, this copy becomes moldury profisional Catency of fetching the resource again. · One approach to this is <u>caching</u>: we brouses stone locally a copy of a previously fetched web page to avoid the achieve scalability. the time to access the data decreases. This is also wiful to · by placeng a copy of the data closeby the process wing them. Performance mean fine between finding + mean fine to sepair failure leavon 2: P(replice x has failed) = (no or boms " · P (replica 3 has fooled) · P (replice 2 has failed) I-(P(replice I has failed) = (Jashiowo zi sinos) 9 (haling man have failed) 9 - I mark, other recovery xtilidaliono to xtilidadon Fo send extra nformation of redundant components. again and again, still be used. Thus, failures one tobrated by the war Time on other If one server crasher, then there is a replica that can I paru kno Redundancy is a key technique to increase availability. Ex USC 3 englisses Definition Reason I: Redundancy Losisyd Replication and Redundance