Reliability vs Availability

Reliability is a measure of how well a system functions, while availability is a measure of how often it's available for use.

A system with high-reliability experiences extended downtime due to maintenance or repairs, resulting in lower availability. On the other hand, a system with low-reliability experiences frequent failures, but its availability is relatively high if it's quickly repaired each time it fails.

Reliability aims to minimize system failures and downtime, while availability aims to maximize operational time.