

What is Availability in System Design?

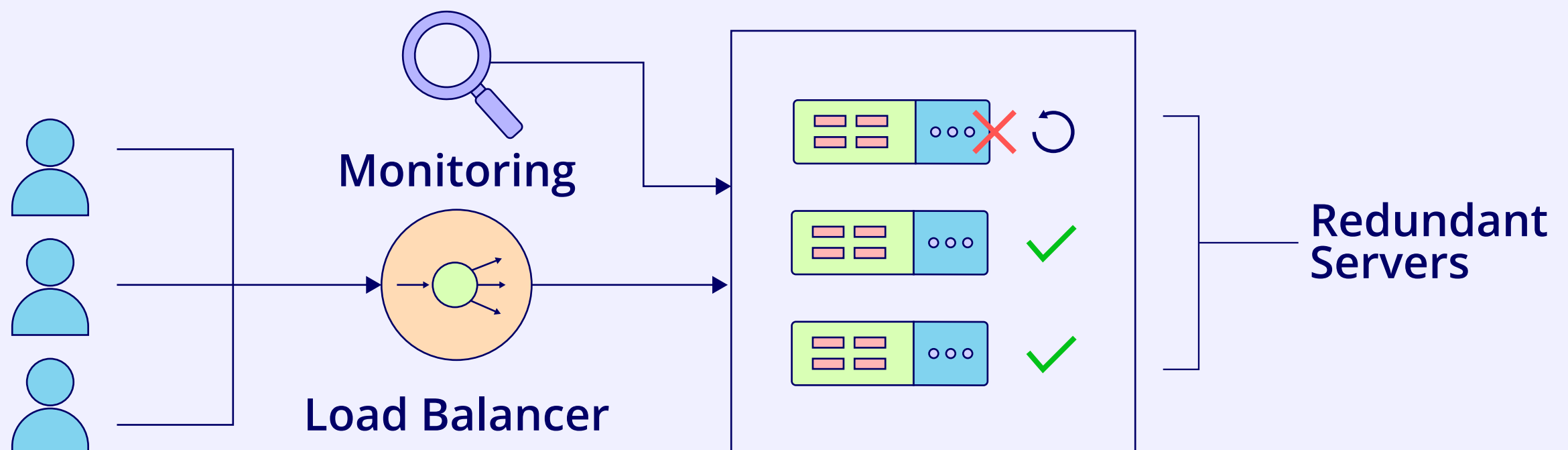
Availability

The percentage of time that a system is accessible to clients

How to Measure It

$$A \text{ (in percent)} = \frac{(Total \ Time - Down \ Time)}{Total \ Time} * 100$$

What Does It Look Like?



How to Achieve It

Redundancy

Stress Testing

Monitoring

Fault Tolerance

Rate Limiting

What to Avoid

Single Point of Failure

Poor Scalability

Poor Security