Managing SQL Server Database Concurrency

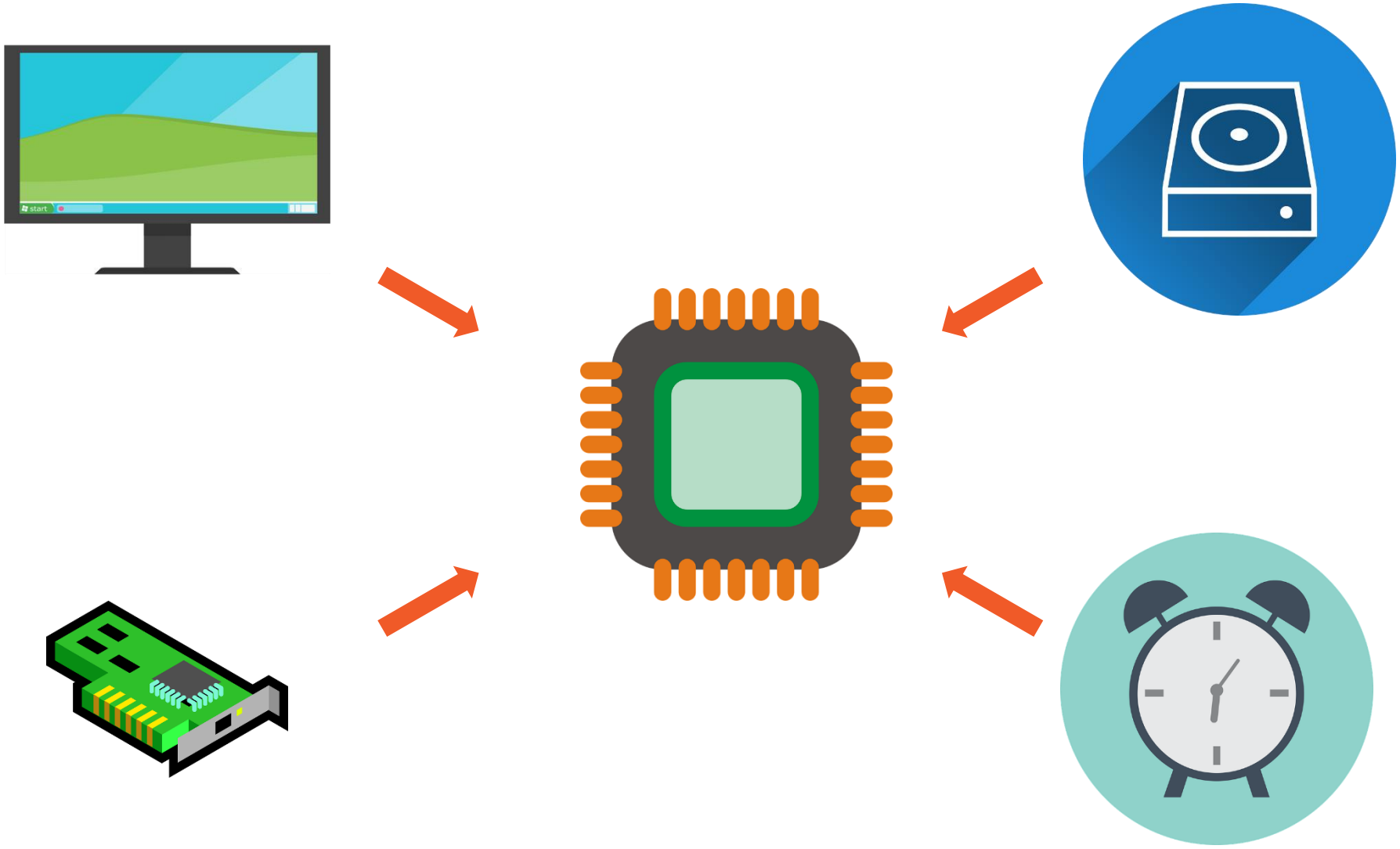
INTRODUCING CONCURRENCY

Gerald Britton
IT SOLUTIONS DESIGNER, SQL SERVER SPECIALIST
@GeraldBritton www.linkedin.com/in/geraldbritton

shutterstock®

IMAGE ID: 110041646
www.shutterstock.com

Concurrency in Computing



Multitasking Models

Pre-emptive

Interruptible

Cooperative

Yields control

SQL Operating System (SQLOS)

Guaranteeing Integrity with Transactions

A | Atomicity

C | Consistency

I | Isolation

D | Durability

Demo

Insert same slide(s) from Designing Tables and Views

Course Overview

Understanding transactions

Managing basic isolation levels

Implementing snapshot isolation

Locking in the database engine

Optimizing concurrency and locking

Demos