PERFORMANCE
TUNING

Bought a race car

Entered many race car in events

ISSUES

Maintained race car

1. You bought a race car
2. You entered into many races
3. During races you need to maintain your race car for optimal performance
4. If during the race you face an issue with the car do you replace tires, replace parts of engine, replace windshield or monitor the car with tools to determine the extent of your issues with the car?

Solution

Bought a race car

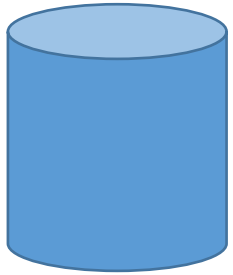
Entered many race car in events

ISSUES

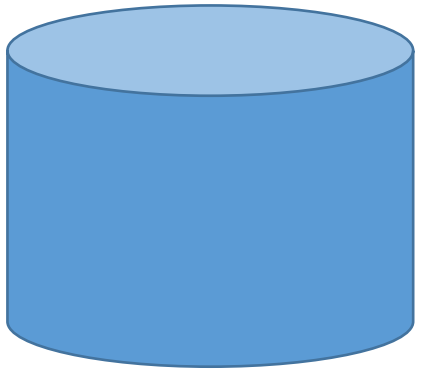
Maintained race car

Solution:

You DO NOT the replace tires, replace parts of engine, replace windshield
UNTIL you have monitor the car with tools to determine the extent of your issues with the car!



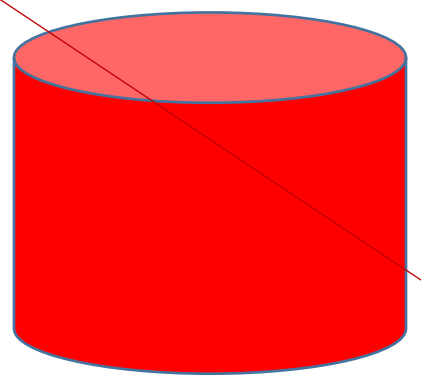
BOUGHT A NEW AND/OR EXISTING SQL SERVER



OVER COURSE OF TIME, THE SQL SERVER'S WORKLOAD INCREASES

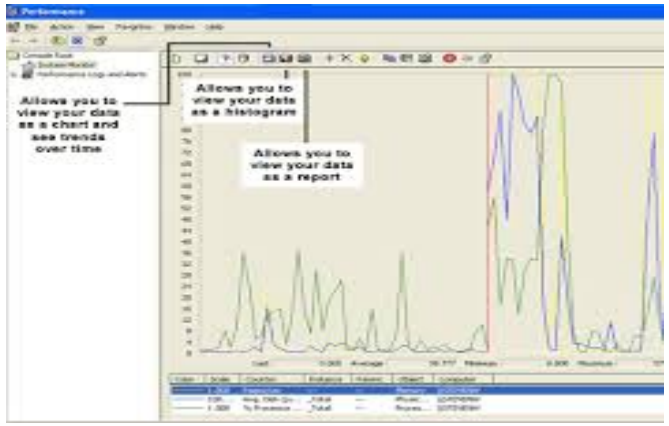
ISSUES

SQL DBA



WITH THE INCREASE IN WORKLOAD AND STRESS TO THE SERVER, DO WE REPLACE THE HARDWARE (CPU, MEMORY, DISKS, OR DIAGNOSE THE ISSUES?

SIMILAR TO THE RACE CARE ANALOGY, BEFORE REPLACING HARDWARE OF THE SERVER, WE DIAGNOSE THE SERVER WITH PERFORMANCE TUNING

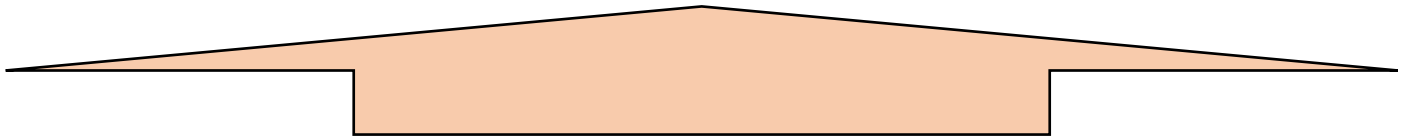


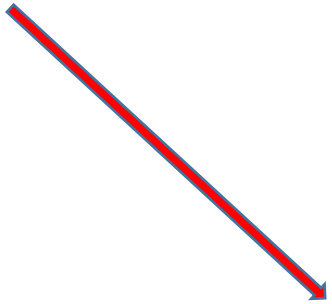
SQL SERVER PERFORMANCE TUNING PROCESS
THE BUILDING BLOCKS

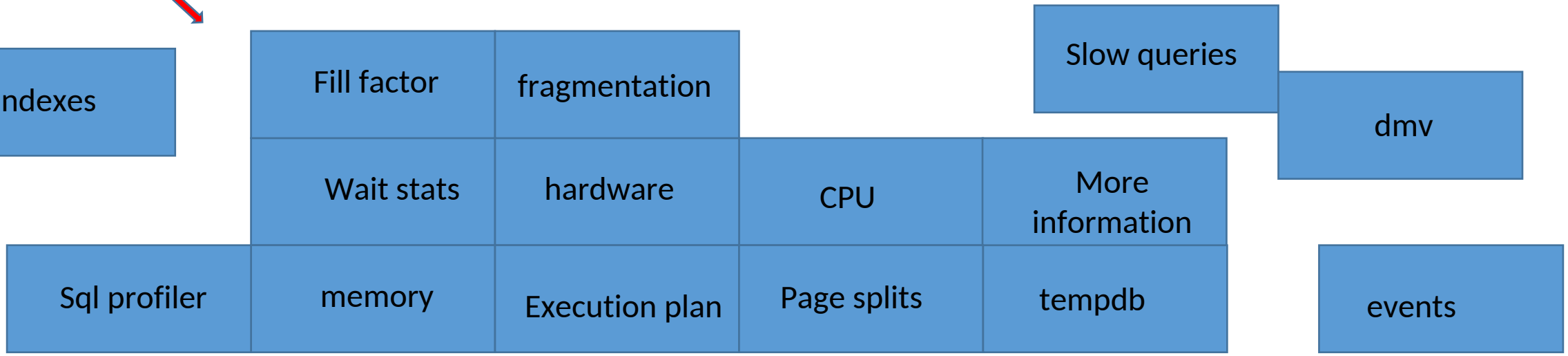
Building blocks needed for performance tuning

COMMON PERFORMANCE ISSUES

Slow running queries issues
Fragmentation issue
Wait stats issue
Tempdb improper set up
Poor execution plan choice
SQL Server wrong configurations
Improper index design
Blocking







REQUIREMENTS

- LEARN T-SQL FROM SCRATCH
- SQL ADMINISTRATION PART 1
- SQL ADMINISTRATION PART 2
- SQL ADMINISTRATION PART 3

GO TO UDEMY.COM

IN SEARCH TYPE: RAF ASGHAR

THE COURSE WILL BE DIVIDED INTO **TWO SEPARATE COURSES**:

SQL PERFORMANCE TUNING PART 1

SQL PERFORMANCE TUNING PART 2 (COMING OUT IN 6 WEEKS)