

Sql server, .net and c# video tutorial

Free C#, .Net and Sql server video tutorial for beginners and intermediate programmers.

Support us .Net Basics C# SQL ASP.NET Aarvi MVC Slides C# Programs Subscribe Download



Insights that Matter for 2021

Ad CrowdStrike

Connecting to SQL Server using SSMS - Part 1

blogspot.com

Write With Confidence

Ad Grammarly

jQuery datatables get data from database table

blogspot.com

Static Code Analysis

Ad SonarQube

Displaying angular form validation error messages

blogspot.com

Part 1 - C# Tutorial - Introduction

blogspot.com

Joins in sql server 12

blogspot.com

Non repeatable read example in sql server

Suggested Videos

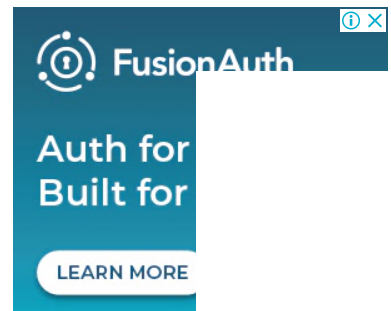
Part 70 - sql server concurrent transactions

Part 71 - sql server dirty read example

Part 72 - sql server lost update problem



In this video we will discuss **non repeatable read concurrency problem with an example**.



Pragim Technologies - Best software training and placements in marathahalli, bangalore. For further details please call 09945699393.

Complete Tutorials

How to become a full stack web developer

Cloud computing complete tutorial

Healthy food for healthy mind and body

JavaScript tutorial

Bootstrap tutorial

Angular tutorial for beginners

Angular 5 Tutorial for beginners

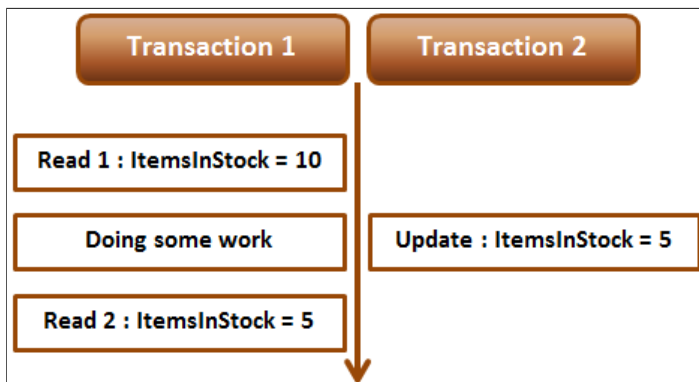


Non repeatable read problem happens when one transaction reads the same data twice and another transaction updates that data in between the first and second read of transaction one.

We will use the following table **tblInventory** in this demo

Id	Name	ItemsInStock
1	iPhone	10

The following diagram explains the problem : Transaction 1 starts first. Reads ItemsInStock. Gets a value of 10 for first read. Transaction 1 is doing some work and at this point Transaction 2 starts and Updates ItemsInStock to 5. Transaction 1 then makes a second read. At this point Transaction 1 gets a value of 5, resulting in non-repeatable read problem.



Non-repeatable read example : Open 2 instances of SQL Server Management studio. From the first window execute Transaction 1 code and from the second window, execute Transaction 2 code. Notice that when Transaction 1 completes, it gets different values for read 1 and read 2, resulting in non-repeatable read.

-- Transaction 1

Begin Transaction

Select ItemsInStock from tblInventory where Id = 1

-- Do Some work

waitfor delay '00:00:10'

Select ItemsInStock from tblInventory where Id = 1

Commit Transaction

-- Transaction 2

Update tblInventory set ItemsInStock = 5 where Id = 1

Repeatable read or any other higher isolation level should solve the non-repeatable read problem.

Important Videos

The Gift of Education

Web application for your business

How to become .NET developer

Resources available to help you

Dot Net Video Tutorials

Blazor tutorial

C tutorial

ASP.NET Core Tutorial

ASP.NET Core Razor Pages Tutorial

Angular 6 Tutorial

Angular CRUD Tutorial

Angular CLI Tutorial

Angular 2 Tutorial

Design Patterns

SOLID Principles

ASP.NET Web API

Bootstrap

AngularJS Tutorial

jQuery Tutorial

JavaScript with ASP.NET Tutorial

JavaScript Tutorial

Charts Tutorial

LINQ

LINQ to SQL

LINQ to XML

Entity Framework

WCF

ASP.NET Web Services

Dot Net Basics

C#

SQL Server

ADO.NET

ASP.NET

GridView

ASP.NET MVC

Visual Studio Tips and Tricks

Dot Net Interview Questions

Isolation Level	Dirty Reads	Lost Update	Nonrepeatable Reads	Phantom Reads
Read Uncommitted	Yes	Yes	Yes	Yes
Read Committed	No	Yes	Yes	Yes
Repeatable Read	No	No	No	Yes
Snapshot	No	No	No	No
Serializable	No	No	No	No

Fixing non repeatable read concurrency problem : To fix the non-repeatable read problem, set transaction isolation level of Transaction 1 to repeatable read. This will ensure that the data that Transaction 1 has read, will be prevented from being updated or deleted elsewhere. This solves the non-repeatable read problem.

When you execute Transaction 1 and 2 from 2 different instances of SQL Server management studio, Transaction 2 is blocked until Transaction 1 completes and at the end of Transaction 1, both the reads get the same value for ItemsInStock.

-- Transaction 1

Set transaction isolation level repeatable read

Begin Transaction

Select ItemsInStock from tblInventory where Id = 1

-- Do Some work

waitfor delay '00:00:10'

Select ItemsInStock from tblInventory where Id = 1

Commit Transaction

-- Transaction 2

Update tblInventory set ItemsInStock = 5 where Id = 1

WWW.PRAGIMTECH.COM

CLICK HERE SQL SERVER YOUTUBE PLAYLIST

TRAINING + PLACEMENTS = OUR SUCCESS

WWW.FACEBOOK.COM/PRAGIMTECH.COM

Slides

Entity Framework

WCF

ASP.NET Web Services

Dot Net Basics

C#

SQL Server

ADO.NET

ASP.NET

GridView

ASP.NET MVC

Visual Studio Tips and Tricks

Java Video Tutorials

Part 1 : [Video](#) | [Text](#) | [Slides](#)

Part 2 : [Video](#) | [Text](#) | [Slides](#)

Part 3 : [Video](#) | [Text](#) | [Slides](#)

Interview Questions

C#

SQL Server

Written Test

1 comment:



Unknown August 18, 2015 at 5:33 AM

Hi Sir ,

Thanks to re-upload some topic which was left at that time but i am feeling that at the time when you discussed JSon in JQuery you should have discuss Token-Based Authentication in JSon web service.....It is very demanding topic now-a-days

[Reply](#)

Enter your comment...



Comment as: [ahm7dkhalifa@](#) ▼

[Sign out](#)

[Publish](#)

[Preview](#)

☐ [Notify me](#)

It would be great if you can help share these free resources

[Newer Post](#)

[Home](#)

[Older Post](#)

Subscribe to: [Post Comments \(Atom\)](#)

Powered by [Blogger](#).