efcore

dotnet -ef □□□□

```
[Console]::OutputEncoding = [System.Text.Encoding]::UTF8
```

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```
1 □□□□□□□
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public class Entity
{
public int Id { get; set; }
public string Name { get; set; }
public int Version { get; set; } // □□□
}
// EF Core □□
modelBuilder.Entity<Entity>().Property(e => e.Version).IsConcurrencyToken();
// □□□□□□□
var entity = await context.Entities.FindAsync(id);
entity.Name = "new name";
await context.SaveChangesAsync(); // □□□□□□□□□              DbUpdateConcurrencyException
□□□□□□□□
try
{
await context.SaveChangesAsync();
}
catch (DbUpdateConcurrencyException)
{
// □□□□□□□□□□□□□□□□□□
}
2 □□□
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// SQL Server
SELECT * FROM Entities WITH (UPDLOCK, ROWLOCK) WHERE Id = @id
// MySQL
```

SELECT * FROM Entities WHERE Id = @id FOR UPDATE

□ EF Core □□□□□ SQL □□□□□□□□□□

3 □□□□

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```
var lockKey = $"lock:entity:{id}";
var acquired = await redis.StringSetAsync(lockKey, "1", TimeSpan.FromSeconds(10), When.NotExists);
if (!acquired)
{
throw new Exception("□□□□□□□□□□ ");
}
try
{
// □□□□□□
}
finally
{
await redis.KeyDeleteAsync(lockKey);
}
```

4 □□□□□□

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