

How to retrieve a single value from the database using Dapper

Asked 3 years, 1 month ago Active 25 days ago Viewed 9k times

I'm using Dapper and trying to retrieve a short from the database and would like to do this without grabbing it from a collection.

7 I've got the following code, which doesn't work because `QueryAsync<short>` returns `IEnumerable<short>` .

```
short status;
using (var sqlConnection = new SqlConnection(connectionString))
{
    var parameters = new DynamicParameters();
    parameters.Add("@ID", ID, DbType.Int32, ParameterDirection.Input);

    await sqlConnection.OpenAsync();
    status = await sqlConnection.QueryAsync<short>("SELECT [StatusID] FROM [MyTable]
WHERE [ID] = @ID", parameters, commandTimeout: _sqlCommandTimeoutInSeconds);
}
```

Can I get Dapper to return a single value, instead of a collection?

[c#](#)[.net](#)[sql-server](#)[asp.net-mvc](#)[dapper](#)

asked Jul 18 '16 at 7:03



Nicholas

7,706

14

47

72

2 Answers

Either you can use `ExecuteScalarAsync` or `Single()` with `ExecuteScalarAsync` you can retrieve a single value from database using Dapper.

11

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```
var parameters = new DynamicParameters();
parameters.Add("@ID", ID, DbType.Int32, ParameterDirection.Input);

await sqlConnection.OpenAsync();
status = await sqlConnection.ExecuteScalarAsync<short>("SELECT [StatusID] FROM
[MyTable] WHERE [ID] = @ID", parameters, commandTimeout: _sqlCommandTimeoutInSeconds);
}
```

Single() can be used in this way

```
short status;
using (var sqlConnection = new SqlConnection(connectionString))
{
    var parameters = new DynamicParameters();
    parameters.Add("@ID", ID, DbType.Int32, ParameterDirection.Input);

    await sqlConnection.OpenAsync();
    status = await sqlConnection.QueryAsync<short>("SELECT [StatusID] FROM [MyTable] WHERE
[ID] = @ID", parameters, commandTimeout: _sqlCommandTimeoutInSeconds).Single();
}
```

answered Jul 18 '16 at 7:10



[Aftab Ahmed](#)

1,597 8 15

1 You can use QuerySingle as well now. – [David Mohundro](#) Jul 29 at 20:42

You should use ExecuteScalar :

1

```
status = await sqlConnection.ExecuteScalarAsync<short>("SELECT [StatusID] FROM [MyTable]
WHERE [ID] = @ID", parameters, commandTimeout: _sqlCommandTimeoutInSeconds)
```

edited Aug 16 at 12:24



[Uwe Keim](#)

28.2k 33 142 228

answered Jul 18 '16 at 7:08



[Zein Makki](#)

24.4k 4 33 49

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