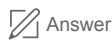


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## Do we really need DTO in the ASP.NET MVC application? If not, what's the impact gonna be?



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1 Answer



Jay Prakash, Asp.net developer

Answered Jun 16, 2017



No, DTO is not necessary, Their are many aspects you can use.

I prefer a POCO / Repository / DTO architecture, but it's not the one right way to design an application. I think the benefits are that it is a very clean and easy to maintain architecture. It provides separation of business logic and persistence logic, which is more in line with the Single Responsibility Principle. Using POCOs with DTOs and a well designed DAL is just about the best performing architecture you can build.

But, The question is what DTO and POCO do???

That's the key concept. A DTO stores data. It has no methods (behaviors) other than accessors and mutators which are just used to get and set data. Why make an object that simple? Because they make a great, lightweight, strongly typed data container when you want to move data from your DAL to your BAL or between the umpteen layers in your n-tier architecture.

But, I think most .Net developers will be driven to use POCOs and repositories (but not DTOs) by ORMs. Entity Framework, nHibernate, and a lot of the ORMs out there require or assume a POCO type architecture. In fact, Entity Framework has introduced an IPOCO interface which I'm having trouble finding documentation on but it sounds like something good. Also, if you want to get into Domain Driven Design, you've got to embrace the POCO.

So, in conclusion, learn to love the POCO, and make sure you don't spread any misinformation about it being the same thing as a DTO. DTOs are simple data containers used for moving data between the layers of an application. POCOs are full fledged business objects with the one requirement that they are Persistence Ignorant (no get or save methods).

Thanks for A2A, Hope this will help you.

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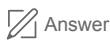
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