

MVC Core IActionResult meaning

▲ What is an IActionResult ? I tried looking at MSDN and other sites, but need general, common easy to understand answer.

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[MSDN IActionResult](#)**Example:**

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```
public IActionResult About() {  
    ViewData["Message"] = "About Page";  
    return View();  
}
```

c#

asp.net-core

asp.net-core-mvc

edited Mar 27 '18 at 4:34

asked Mar 27 '18 at 3:13



Nkosi

127k

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user8280126

2 Answers



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In general terms IActionResult type is a base abstraction of an action result. It is used as the base of other derived action results that represent specific response types, of which there are many.

Reference [Asp.Net Core Action Results Explained](#)



IActionResult and ActionResult

IActionResult and ActionResult work as a container for other action results, in that IActionResult is an interface and ActionResult is

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flexibility, like when we need to return different type of response based on user interaction.

To quote official documentation Found here [Controller action return types in ASP.NET Core Web API](#)

The IActionResult return type is appropriate when multiple ActionResult return types are possible in an action. The ActionResult types represent various HTTP status codes. Some common return types falling into this category are BadRequestResult (400), NotFoundResult (404), and OkObjectResult (200).

answered Mar 27 '18 at 4:50



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▲ IActionResult specifies how the server should respond the request, such as simply writing data into response or return an error status code.

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▼ For example, `Microsoft.AspNetCore.Mvc.JsonResult` serializes the object passed from the constructor, and write the serialized Json data into response and set the mimetype to application/json. It can be understood as "This request results a json string".

answered Mar 27 '18 at 4:02



Alsein

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