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JsonResult return Json in ASP.NET CORE 2.1

Asked 1 year, 2 months ago Active 1 year ago Viewed 23k times

Controller that worked in ASP.NET Core 2.0:

22



1

```
[Produces("application/json")]
[Route("api/[controller]")]
[ApiController]
public class GraficResourcesApiController : ControllerBase
{
    private readonly ApplicationDbContext _context;

    public GraficResourcesApiController(ApplicationDbContext context)
    {
        _context = context;
    }

    [HttpGet]
    public JsonResult GetGrafic(int ResourceId)
    {
        var sheduling = new List<Sheduling>();

        var events = from e in _context.Grafic.Where(c=>c.ResourceId == ResourceId)
                     select new
                     {
                         id = e.Id,
                         title = e.Personals.Name,
                         start = e.DateStart,
                         end = e.DateStop,
                         color = e.Personals.Color,
                         personalId = e.PersonalId,
                         description = e.ClientName
                     };
        var rows = events.ToArray();

        return Json(rows);
    }
}
```

in ASP.NET Core 2.1

```
return Json (rows);
```

writes that Json does not exist in the current context. If we remove Json leaving simply

```
return rows;
```

then writes that it was not possible to explicitly convert the type List () to JsonResult

How to convert to Json now?

[c#](#)[json](#)[asp.net-core-2.1](#)[jsonresult](#)

edited Oct 20 '18 at 10:27



Chris.ZA

638 1 7 21

asked Aug 30 '18 at 15:53



blakcat

181 1 1 8

1 Answer



In [asp.net-core-2.1](#) [ControllerBase](#) does not have a `Json(Object)` method. However [Controller](#) does.

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So either refactor the current controller to be derived from `Controller`



```
public class GraftResourcesApiController : Controller {  
    //...  
}
```



to have access to the [Controller.Json Method](#) or you can initialize a new [JsonResult](#) yourself in the action

```
return new JsonResult(rows);
```

which is basically what the method does internally in `Controller`

```
/// <summary>
/// Creates a <see cref="JsonResult"/> object that serializes the specified <paramref
name="data"/> object
/// to JSON.
/// </summary>
/// <param name="data">The object to serialize.</param>
/// <returns>The created <see cref="JsonResult"/> that serializes the specified
<paramref name="data"/>
/// to JSON format for the response.</returns>
[NonAction]
public virtual JsonResult Json(object data)
{
    return new JsonResult(data);
}

/// <summary>
/// Creates a <see cref="JsonResult"/> object that serializes the specified <paramref
name="data"/> object
/// to JSON.
/// </summary>
/// <param name="data">The object to serialize.</param>
/// <param name="serializerSettings">The <see cref="JsonSerializerSettings"/> to be used
by
/// the formatter.</param>
/// <returns>The created <see cref="JsonResult"/> that serializes the specified
<paramref name="data"/>
/// as JSON format for the response.</returns>
/// <remarks>Callers should cache an instance of <see cref="JsonSerializerSettings"/> to
avoid
/// recreating cached data with each call.</remarks>
[NonAction]
public virtual JsonResult Json(object data, JsonSerializerSettings serializerSettings)
{
    if (serializerSettings == null)
    {
        throw new ArgumentNullException(nameof(serializerSettings));
    }

    return new JsonResult(data, serializerSettings);
}
```

[Source](#)

edited Aug 30 '18 at 16:42

answered Aug 30 '18 at 16:29



Nkosi


143k

23

188

251

So upgrading from 2.0 to 2.1 breaks existing code. Anyone know why they changed this? – [WillC](#) Jan 24 at 13:50

@WillC I couldn't tell you why they changed it, but I can tell you that one of the main reasons behind DNC was that they *could* break things. Fast iterations with little promise of backwards compatibility. – [ernest](#) Jan 30 at 21:24 

- 1 Note that if you are creating an API it is recommended in the docs not to use Controller, but ControllerBase. Ref docs: Don't create a web API controller by deriving from the Controller class. Controller derives from ControllerBase and adds support for views, so it's for handling web pages, not web API requests. There's an exception to this rule: if you plan to use the same controller for both views and APIs, derive it from Controller. – [johnb](#) Aug 13 at 6:12
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