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# launchsettings.json and appsettings.json and web.config

Asked 2 years, 1 month ago   Active 1 month ago   Viewed 12k times



I have couple of confusions:

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- 1) I published asp.net core project and I do not see launchsettings.json in bin\Release\PublishOutput, if I use Octopus then how to configure attributes based on server type?
- 2) Is it possible to move launchsettings.json to root folder instead of under properties?
- 3) If I want to use only one json like appsettings.json, can I merge both in root folder?
- 4) Can web.config be used instead of launchsettings.json, how?

asp.net-core

octopus-deploy

edited Mar 22 at 14:45



ssilas777

8,268 2 37 61

asked Oct 26 '17 at 13:22



newbeedeveloper

229 1 3 9

5   launchSettings.json is only for Visual Studio. Other than that, it's not clear what you're trying to do. – [Chris Pratt](#) Oct 26 '17 at 13:37

In general, it is discouraged on Stack Overflow to put more than one question in one post, With your future questions please follow this guideline :) – [Will Barnwell](#) Oct 27 '17 at 21:09

1   @Chirs Pratt, I recently hosted asp core app on linux box and when I change the values of this launchSettings.json file of key applicationUrl, and hit dotnet run, hosting is configured to this value. So I think this file has its effects on dotnet run command also. If so, is this file read on CreateDefaultBuilder() method in Program.cs ? – [XPD](#) Sep 16 '18 at 17:52

When an app is launched with dotnet run: launchSettings.json is read if available. environmentVariables settings in launchSettings.json override environment variables. – [Fish](#) Aug 14 at 4:44

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## Answers to your questions:

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1. As Chris Pratt mentioned in comment, `launchSettings.json` is only used by Visual Studio. You can use [Octopus variables](#) in Octopus.
2. Don't need `launchSettings.json` for publishing an app.
3. If there are settings that your application needs to use, please store them in `appsettings.json`. This will make deployments easier, since Octopus recognizes this file by default.
4. It depends on your requirements. `web.config` is used by IIS, not by your .NET Core application directly, hence IIS limitations to what you can configure might be applied.

## Hints.

- If you have some environment specific variables, you can store them in environment specific `appsettings.json`, e.g. `appsettings.Release.json`.
- You can leave placeholders for Octopus variable substitution in your `appsettings.json` file, especially in environment specific one, e.g. `appsettings.Release.json` may contain a config value like `"#{ConnectionString}"` and during deployment Octopus would substitute this placeholder with the actual value from Octopus variables.

answered Oct 27 '17 at 4:51



Ignas

2,205 10 25

Thanks for reply. Net Core does not have web.config, so how IIS deal with it, can IIS also read appsettings.json? – [newbeedeveloper](#) Oct 27 '17 at 6:57

If you don't have `web.config` in your project, it will be created when you publish. If you have one, it will be transformed to have correct parameters when published. See [docs.microsoft.com/en-us/aspnet/core/publishing/...](https://docs.microsoft.com/en-us/aspnet/core/publishing/...) And IIS can't use `appsettings.json`, only your application can. – [Ignas](#) Oct 27 '17 at 19:59

@newbeedeveloper IIS Express should have no idea what those settings are, and Visual Studio is the bridge, [blog.lexstudio.com/...](https://blog.lexstudio.com/...) – [Lex Li](#) Mar 30 '18 at 20:22

@Ignas if `launchSettings.json` is only for VS how can I configure `applicationurl` for each application I have on a linux server? – [Offir Pe'er](#) Sep 25 at 14:37

@OffirPe'er What do you use `applicationurl` in your applications for? Are all your applications different products, ie not just another instance of the same application? – [Ignas](#) Sep 25 at 18:52

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