



**.NET 2.1**

## **Release Notes for .NET Core 2.1 containers**





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## Abstract

The Release Notes for .NET Core 2.1 containers provide high-level coverage of the features and functionality that comprise the .NET Core 2.1 platform and document known problems in this release.

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## CHAPTER 1. NEW FEATURES IN .NET CORE 2.1 CONTAINERS

The Release Notes for .NET Core 2.1 containers is an extension of the Release Notes for .NET Core 2.1 RPM packages. See [Release Notes for .NET Core 2.1 RPM packages](#) for information about known issues, the operating system architecture, privacy, and support.

- .NET Core 2.1 runtime image:
  - Based on RHEL 7: **[registry.redhat.io/dotnet/dotnet-21-runtime-rhel7](https://registry.redhat.io/dotnet/dotnet-21-runtime-rhel7)**
  - Based on RHEL 8: **[registry.access.redhat.com/ubi8/dotnet-21-runtime](https://registry.access.redhat.com/ubi8/dotnet-21-runtime)**
- .NET Core 2.1 Source-to-Image (S2I) builder image:
  - Based on RHEL 7: **[registry.redhat.io/dotnet/dotnet-21-rhel7](https://registry.redhat.io/dotnet/dotnet-21-rhel7)**
  - Based on RHEL 8: **[registry.access.redhat.com/ubi8/dotnet-21](https://registry.access.redhat.com/ubi8/dotnet-21)**

## CHAPTER 2. NEW ENVIRONMENT VARIABLES

The following environment variables have been added for the .NET Core 2.1 container image.

**DOTNET\_TOOLS** Used to specify a list of .NET tools to install before building the app. It is possible to install a specific version by post pending the package name with **@<version>**.



## CHAPTER 3. REMOVED ENVIRONMENT VARIABLES

The following environment variables have been removed from the .NET Core 2.1 container image.

**DOTNET\_ASPNET\_STORE** Publish assuming the runtime image contains the ASP.NET Core runtime store.

See [Environment Variables](#) for the list of environment variables available with .NET Core 2.1.

## CHAPTER 4. KNOWN ISSUES

1. Build containers for Red Hat Enterprise Linux 7 have been updated to contain the **rh-nodejs10** package instead of the **rh-nodejs8** package. Support for Node.js 8 will be going end-of-life in December, 2019, and several modules that it installs have security vulnerabilities that will not be fixed. The update to use **rh-nodejs10** may break applications that depend on the **rh-nodejs8** package. See the [Node.js 10 changelog file](#) for more information about relevant changes.
2. ASP.NET Core applications published as framework-dependent fail to run with the runtime container images because the ASP.NET Core shared framework is missing. See [Shared Framework issue](#) in .NET Core 2.1 Release Notes for .NET Core 2.1 RPM packages for more information.
3. .NET Core SDK 2.1.3xx contains an incorrect **NETStandard.Library** version. Using this SDK version may result in build failures. To correct this issue, update to SDK 2.1.402 (or later). To update to the latest SDK version, change the **DOTNET\_SDK\_VERSION** environment variable to 2.1.402 (or to the latest preferred SDK version or the setting **latest**). For more information about this and other environment variables, see [Environment Variables](#).  
If there is a **global.json** file that specifies the SDK version and you do not want to update to the latest SDK version, you can work around this issue by removing the following entry in the **csproj** file.

```
<TreatWarningsAsErrors>true</TreatWarningsAsErrors>
```

See [Known Issues](#) in the .NET Core 2.1 Release Notes for .NET Core 2.1 RPM packages for a list of known issues and workarounds for RPMs.