



**.NET 8.0**

**Release Notes for .NET 8.0 containers**





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## Abstract

The Release Notes for .NET 8.0 containers provide high-level coverage of the features and functionality that comprise the .NET 8.0 platform and document known problems in this release.

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## MAKING OPEN SOURCE MORE INCLUSIVE

Red Hat is committed to replacing problematic language in our code, documentation, and web properties. We are beginning with these four terms: master, slave, blacklist, and whitelist. Because of the enormity of this endeavor, these changes will be implemented gradually over several upcoming releases. For more details, see [our CTO Chris Wright's message](#).

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## CHAPTER 1. NEW FEATURES

The Release Notes for .NET 8.0 containers is an extension of the Release Notes for .NET 8.0 RPM packages. See [Release Notes for .NET 8.0 RPM packages](#) for information about known issues, the operating system architecture, privacy, and support.

## CHAPTER 2. KNOWN ISSUES

1. NodeJS is no longer included in the .NET 8.0 SDK image.  
For information on how to port an application that depends on Node.js from an earlier .NET version to the .NET 8.0 image, see the [Porting web applications with NodeJS front-ends to build with .NET 8.0 UBI images](#) Knowledgebase solution.
2. The random user used by OpenShift Container Platform is no longer added to the `/etc/passwd` file on OpenShift Container Platform 3.11. As a result, the .NET **Environment.UserName** property returns an empty string.
3. The **DOTNET\_CORE\_VERSION** and **DOTNET\_FRAMEWORK** environment variables were removed from the image. Instead, The image now includes exact versions of the .NET framework, the ASP.NET Core frameworks, and the SDK version in the **DOTNET\_VERSION**, **ASPNET\_VERSION**, and **DOTNET\_SDK\_VERSION** environment variables, respectively..
4. The **DOTNET\_SSL\_DIRS** environment variable used to load certificates from additional directories is no longer handled by the image entrypoint. The default `s2i` (source-to-image) **assemble** and **run** scripts still process the environment variable. To trust certificates in all cases, use **SSL\_CERT\_DIR** instead.
5. In .NET 8.0, you can no longer specify the command and its arguments to run in a container as a single string. You need to pass the arguments as separate strings. The new syntax also works for the earlier .NET versions.  
For example, instead of `podman run registry.access.redhat.com/ubi8/dotnet-70 "echo hello"`, use `podman run registry.access.redhat.com/ubi8/dotnet-80 echo hello`.
6. The **dnf** command is not available.  
To reduce image size, .NET 8.0 container images use the **ubi-minimal** base image instead of the `ubi` base image. The **ubi-minimal** image uses the **microdnf** command as its package manager instead of the **dnf** command.

If your Dockerfiles/Containerfiles use the **dnf** command, you must change them to use the **microdnf** command instead.

For more information about the **microdnf** command, please see the **microdnf** man page.

See [Known Issues](#) in the .NET 8.0 Release Notes for .NET 8.0 RPM packages for a list of known issues and workarounds for RPMs.