Legal Notice

Copyright © 2020 Red Hat, Inc.

The text of and illustrations in this document are licensed by Red Hat under a Creative Commons Attribution–Share Alike 3.0 Unported license ("CC-BY-SA"). An explanation of CC-BY-SA is available at http://creativecommons.org/licenses/by-sa/3.0/. In accordance with CC-BY-SA, if you distribute this document or an adaptation of it, you must provide the URL for the original version.

Red Hat, as the licensor of this document, waives the right to enforce, and agrees not to assert, Section 4d of CC-BY-SA to the fullest extent permitted by applicable law.

Red Hat, Red Hat Enterprise Linux, the Shadowman logo, the Red Hat logo, JBoss, OpenShift, Fedora, the Infinity logo, and RHCE are trademarks of Red Hat, Inc., registered in the United States and other countries.

Linux® is the registered trademark of Linus Torvalds in the United States and other countries.

Java® is a registered trademark of Oracle and/or its affiliates.

XFS® is a trademark of Silicon Graphics International Corp. or its subsidiaries in the United States and/or other countries.

MySQL® is a registered trademark of MySQL AB in the United States, the European Union and other countries.

Node.js® is an official trademark of Joyent. Red Hat is not formally related to or endorsed by the official Joyent Node.js open source or commercial project.

The OpenStack® Word Mark and OpenStack logo are either registered trademarks/service marks or trademarks/service marks of the OpenStack Foundation, in the United States and other countries and are used with the OpenStack Foundation’s permission. We are not affiliated with, endorsed or sponsored by the OpenStack Foundation, or the OpenStack community.

All other trademarks are the property of their respective owners.

Abstract

This Release Note contains important information related to Node.js 12.14.1.
# Table of Contents

CHAPTER 1. REQUIRED INFRASTRUCTURE COMPONENT VERSIONS ........................................... 3

CHAPTER 2. FEATURES ........................................................................................................ 4
  2.1. NEW AND CHANGED FEATURES .............................................................................. 4
  2.2. DEPRECATED FEATURES ......................................................................................... 4
  2.3. TECHNOLOGY PREVIEW .......................................................................................... 4
  2.4. SUPPORTED ARCHITECTURES ............................................................................... 4

CHAPTER 3. RELEASE COMPONENTS ................................................................................. 5
  3.1. NODE.JS 10 ............................................................................................................... 5
  3.2. WEB APP NODE.JS 10 ............................................................................................. 5

CHAPTER 4. FIXED ISSUES .................................................................................................. 6
  4.1. NODE.JS 10 ............................................................................................................... 6
  4.2. WEB APP NODE.JS 10 ............................................................................................. 6

CHAPTER 5. KNOWN ISSUES ............................................................................................... 7
  5.1. NODE.JS 10 ............................................................................................................... 7
  5.2. WEB APP NODE.JS ................................................................................................... 7

CHAPTER 6. KNOWN ISSUES AFFECTING REQUIRED INFRASTRUCTURE COMPONENTS .... 8

CHAPTER 7. ADVISORIES RELATED TO THIS RELEASE ....................................................... 9
  7.1. NODE.JS 10 ............................................................................................................... 9
  7.2. NODE.JS 10 WEB APP BUILDER (TECHNOLOGY PREVIEW) ................................... 9
Red Hat does not provide support for components listed below, with the exception of components explicitly designated as supported.

<table>
<thead>
<tr>
<th>Component name</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Node.js v8[a]</td>
<td>8.16.0 LTS</td>
</tr>
<tr>
<td>Node.js v10[b]</td>
<td>10.16.3 LTS</td>
</tr>
<tr>
<td>Web App Node.js v10[c]</td>
<td>10.15.3</td>
</tr>
<tr>
<td>Nodeshift</td>
<td>2.1.1</td>
</tr>
<tr>
<td>npm 5[d]</td>
<td>6.4.1</td>
</tr>
<tr>
<td>npm 6[e]</td>
<td>6.4.1</td>
</tr>
<tr>
<td>OpenShift Container Platform (OCP)[f]</td>
<td>3.11, 4.2</td>
</tr>
<tr>
<td>Minishift</td>
<td>1.34.1 or later</td>
</tr>
<tr>
<td>CDK[g]</td>
<td>3.8.0</td>
</tr>
<tr>
<td>git</td>
<td>2.0 or later</td>
</tr>
<tr>
<td>oc command line tool</td>
<td>3.11 or later[h]</td>
</tr>
</tbody>
</table>

[a] The Node.js v8 release is supported by Red Hat  
[b] The Node.js v10 release is supported by Red Hat  
[c] The Web App Node.js v10 image release is Technology Preview  
[d] Distributed as a supported RPM for Node.js 8  
[e] Distributed with as a supported RPM for Node.js 10  
[f] OCP is supported by Red Hat  
[g] CDK is supported by Red Hat  
[h] The version of the OC CLI tool should correspond to the version of OCP that you are using.
CHAPTER 2. FEATURES

This section contains information about feature changes introduced in the current release.

2.1. NEW AND CHANGED FEATURES

RHEL 8.1 introduces Node.js 12, which provides a number of new features and enhancements over version 10. Notable changes include:

- The V8 engine upgraded to version 7.4
- A new default HTTP parser, llhttp (no longer experimental)
- Integrated capability of heap dump generation
- Support for ECMAScript 2015 (ES6) modules
- Improved support for native modules
- Worker threads no longer require a flag
- A new experimental diagnostic report feature
- Improved performance

For detailed changes in Node.js 12.14.1, see the upstream release notes and upstream documentation.

2.2. DEPRECATED FEATURES

There are no features deprecated in this release.

2.3. TECHNOLOGY PREVIEW

There are no new Technology Preview features introduced in this release.

2.4. SUPPORTED ARCHITECTURES

Node.js builder images and RPM packages are available and supported for use with the following CPU architectures:

- AMD x86_64
- PowerPC 64-bit Little Endian
CHAPTER 3. RELEASE COMPONENTS

3.1. NODE.JS 10
Latest release: 2019-08-15
- Node.js 10.16.3 Builder Image for RHEL 7
- Node.js 10.16.3 Builder Image for RHEL 8
- Node.js 10 RPM packages

3.2. WEB APP NODE.JS 10
Latest release: 2019-03-22
- Node.js 10.15.3 Web App Builder Image
CHAPTER 4. FIXED ISSUES

4.1. NODE.JS 10

This Node.js 10 release incorporates all bugfixes form the upstream release. Issues resolved in the community release are listed in the Node.js 10 changelog.

For a list of security-related updates that apply to this release of Node.js 10, see the Affected Packages section on the respective Node.js 10 Container Catalog Page.

4.2. WEB APP NODE.JS 10

For a list of security-related updates that apply to this release of Web App Node.js 10, see the Affected Packages section on the respective Web App Node.js 10 Container Catalog Page.
CHAPTER 5. KNOWN ISSUES

5.1. NODE.JS 10
There are no known issues affecting this release.

5.2. WEB APP NODE.JS
There are no known issues affecting this release.
CHAPTER 6. KNOWN ISSUES AFFECTING REQUIRED INFRASTRUCTURE COMPONENTS

There are no known issues affecting infrastructure components required by this release.
CHAPTER 7. ADVISORIES RELATED TO THIS RELEASE

The following advisories have been issued to document enhancements, bugfixes, and CVE fixes included in this release.

7.1. NODE.JS 10

For advisories related to the latest release of Node.js 10 components, see the advisories section of the respective Red Hat Container Catalog page.

7.2. NODE.JS 10 WEB APP BUILDER (TECHNOLOGY PREVIEW)

For advisories related to the latest release of Node.js 10 components, see the advisories section of the respective Red Hat Container Catalog page.