

EXPRESSCLUSTER X 5.2

Supported distributions and kernel versions

<Notes>

- The distribution or kernel in the following list has been verified with EXPRESSCLUSTER.
 - ✓: Supported
 - n/a: Not supported
- Any distribution or kernel not in the list has not been verified.
- EXPRESSCLUSTER X Install Image may not contain the latest rpm files to support the following kernel versions. Apply the latest update of EXPRESSCLUSTER to run with the latest kernel version.
- After applying driver update, additional kernels other than ones listed below are supported. Please refer to the following page for more details:

EXPRESSCLUSTER X driver update

<https://www.support.nec.co.jp/en/View.aspx?NoClear=on&id=4140100112>

x86_64

Distribution	Kernel version	Replicator Replicator DR support	clpka,clpkhb support	EXPRESSCLUSTER Version
Red Hat Enterprise Linux 9.4	5.14.0-427.13.1.el9_4.x86_64	✓	✓	5.2.1-1 or later
Red Hat Enterprise Linux 9.2	5.14.0-284.11.1.el9_2.x86_64	✓	✓	5.1.2-1 or later
	5.14.0-284.25.1.el9_2.x86_64	✓	✓	5.1.2-1 or later
	5.14.0-284.30.1.el9_2.x86_64	✓	✓	5.1.2-1 or later
	5.14.0-284.40.1.el9_2.x86_64	✓	✓	5.2.0-1 or later
Red Hat Enterprise Linux 9.0	5.14.0-70.13.1.el9_0.x86_64	n/a	n/a	5.1.0-1
	5.14.0-70.13.1.el9_0.x86_64	✓	✓	5.1.1-1 or later
	5.14.0-70.30.1.el9_0.x86_64	✓	✓	5.1.1-1 or later
Red Hat Enterprise Linux 8.10	4.18.0-553.el8_10.x86_64	✓	✓	5.2.1-1 or later
Red Hat Enterprise Linux 8.8	4.18.0-477.10.1.el8_8.x86_64	✓	✓	5.1.2-1 or later
	4.18.0-477.27.1.el8_8.x86_64	✓	✓	5.1.2-1 or later
	4.18.0-477.36.1.el8_8.x86_64	✓	✓	5.2.0-1 or later
Red Hat Enterprise Linux 8.6	4.18.0-372.9.1.el8.x86_64	✓	✓	5.0.2-1 or later
	4.18.0-372.32.1.el8_6.x86_64	✓	✓	5.1.0-1 or later
Red Hat Enterprise Linux 8.4	4.18.0-305.el8.x86_64	✓	✓	5.0.0-1 or later
	4.18.0-305.17.1.el8_4.x86_64	✓	✓	5.0.0-1 or later
	4.18.0-305.19.1.el8_4.x86_64	✓	✓	5.0.2-1 or later
	4.18.0-305.25.1.el8_4.x86_64	✓	✓	5.0.2-1 or later
	4.18.0-305.30.1.el8_4.x86_64	✓	✓	5.0.0-1 or later
Red Hat Enterprise Linux 8.2	4.18.0-193.el8.x86_64	✓	✓	5.0.0-1 or later
	4.18.0-193.13.2.el8_2.x86_64	✓	✓	5.0.0-1 or later
	4.18.0-193.28.1.el8_2.x86_64	✓	✓	5.0.0-1 or later
Red Hat Enterprise Linux 8.1	4.18.0-147.el8.x86_64	✓	✓	5.0.0-1 or later
	4.18.0-147.8.1.el8_1.x86_64	✓	✓	5.1.0-1 or later
Red Hat Enterprise Linux 7.9	3.10.0-1160.el7.x86_64	✓	✓	5.0.0-1 or later
	3.10.0-1160.41.1.el7.x86_64	✓	✓	5.0.0-1 or later
	3.10.0-1160.49.1.el7.x86_64	✓	✓	5.0.0-1 or later
	3.10.0-1160.59.1.el7.x86_64	✓	✓	5.1.0-1 or later

Distribution	Kernel version	Replicator Replicator DR support	clpka,clpkhb support	EXPRESSCLUSTER Version
MIRACLE LINUX 9.4	5.14.0-427.13.1.el9_4.x86_64	✓	✓	5.2.1-1 or later
MIRACLE LINUX 9.2	5.14.0-284.11.1.el9_2.x86_64	✓	✓	5.1.2-1 or later
	5.14.0-284.30.1.el9_2.x86_64	✓	✓	5.1.2-1 or later
MIRACLE LINUX 9.0	5.14.0-70.13.1.el9_0.x86_64	✓	✓	5.1.1-1 or later
	5.14.0-70.30.1.el9_0.x86_64	✓	✓	5.1.1-1 or later
MIRACLE LINUX 8.10	4.18.0-553.el8_10.x86_64	✓	✓	5.2.1-1 or later
MIRACLE LINUX 8.8	4.18.0-477.10.1.el8_8.x86_64	✓	✓	5.1.2-1 or later
	4.18.0-477.27.1.el8_8.x86_64	✓	✓	5.1.2-1 or later
MIRACLE LINUX 8.6	4.18.0-372.9.1.el8.x86_64	✓	✓	5.0.2-1 or later
MIRACLE LINUX 8.4	4.18.0-305.el8.x86_64	✓	✓	5.0.0-1 or later
Oracle Linux 9.4	5.14.0-427.13.1.el9_4.x86_64	✓	✓	5.2.1-1 or later
Oracle Linux 9.2	5.14.0-284.11.1.el9_2.x86_64	✓	✓	5.1.2-1 or later
	5.14.0-284.30.1.el9_2.x86_64	✓	✓	5.1.2-1 or later
Oracle Linux 9.0	5.14.0-70.13.1.0.3.el9_0.x86_64	✓	✓	5.1.1-1 or later
	5.14.0-70.30.1.0.2.el9_0.x86_64	✓	✓	5.1.1-1 or later
Oracle Linux 8.10	4.18.0-553.el8_10.x86_64	✓	✓	5.2.1-1 or later
Oracle Linux 8.8	4.18.0-477.10.1.el8_8.x86_64	✓	✓	5.1.2-1 or later
	4.18.0-477.27.1.el8_8.x86_64	✓	✓	5.1.2-1 or later
Oracle Linux 8.3	5.4.17-2011.7.4.el8uek.x86_64	n/a	✓	5.0.0-1 or later
Oracle Linux 7.7 UEK5	4.14.35-1902.3.2.el7uek.x86_64	✓	✓	5.0.0-1 or later
	4.14.35-1902.5.2.2.el7uek.x86_64	✓	✓	5.0.0-1 or later
AlmaLinux OS 9.4	5.14.0-427.13.1.el9_4.x86_64	✓	✓	5.2.1-1 or later
AlmaLinux OS 9.2	5.14.0-284.11.1.el9_2.x86_64	✓	✓	5.1.2-1 or later
	5.14.0-284.30.1.el9_2.x86_64	✓	✓	5.1.2-1 or later
AlmaLinux OS 9.0	5.14.0-70.13.1.el9_0.x86_64	✓	✓	5.1.1-1 or later
	5.14.0-70.30.1.el9_0.x86_64	✓	✓	5.1.1-1 or later
AlmaLinux OS 8.10	4.18.0-553.el8_10.x86_64	✓	✓	5.2.1-1 or later
AlmaLinux OS 8.8	4.18.0-477.10.1.el8_8.x86_64	✓	✓	5.1.2-1 or later
	4.18.0-477.27.2.el8_8.x86_64	✓	✓	5.1.2-1 or later
Amazon Linux 2	4.14.203-156.332.amzn2.x86_64	✓	✓	5.0.0-1 or later
	4.14.252-195.483.amzn2.x86_64	✓	✓	5.0.0-1 or later
	4.14.322-246.539.amzn2.x86_64	✓	✓	5.1.2-1 or later
Amazon Linux 2023	6.1.61-85.141.amzn2023.x86_64	✓	✓	5.2.0-1 or later
	6.1.90-99.173.amzn2023.x86_64	✓	✓	5.2.1-1 or later
SUSE Linux Enterprise Server 15 (SP5)	5.14.21-150500.53-default	n/a	n/a	5.1.2-1 or later
SUSE Linux Enterprise Server 15 (SP4)	5.14.21-150400.22-default	n/a	n/a	5.1.0-1 or later
SUSE Linux Enterprise Server 15 (SP3)	5.3.18-57-default	n/a	n/a	5.0.0-1 or later
SUSE Linux Enterprise Server 15 (SP2)	5.3.18-22-default	n/a	n/a	5.0.0-1 or later
SUSE Linux Enterprise Server 12 (SP5)	4.12.14-120-default	n/a	n/a	5.0.0-1 or later

Distribution	Kernel version	Replicator Replicator DR support	clpka,clpkhb support	EXPRESSCLUSTER Version
Ubuntu Server 22.04.3 LTS	5.15.0-78-generic	n/a	n/a	5.2.0-1 or later
	5.15.0-91-generic	n/a	n/a	5.2.0-1 or later
Ubuntu Server 22.04.1 LTS	5.15.0-43-generic	n/a	n/a	5.1.0-1 or later
Ubuntu Server 20.04.6 LTS	5.4.0-169-generic	n/a	n/a	5.2.0-1 or later
Ubuntu Server 20.04.5 LTS	5.4.0-125-generic	n/a	n/a	5.1.0-1 or later
Ubuntu Server 20.04.3 LTS	5.4.0-81-generic	n/a	n/a	5.0.0-1 or later
	5.4.0-99-generic	n/a	n/a	5.0.0-1 or later
Ubuntu Server 20.04 LTS	5.4.0-26-generic	n/a	n/a	5.0.0-1 or later
	5.4.0-96-generic	n/a	n/a	5.0.0-1 or later