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Compatibility Matrix

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EE

Docker Enterprise Edition (https://www.docker.com/enterprise-edition) is a subscription of software, support, and certification for enterprise dev and IT teams building and managing critical apps in production at scale. Docker EE provides a modern and trusted platform for all apps with integrated management and security across the app lifecycle, and includes three main technology components: the Docker daemon (fka "Engine"), Docker Trusted Registry (DTR), and Docker Universal Control Plane (UCP). Docker EE is validated and supported to work in specific operating environments as outlined in the **Docker Compatibility Matrix**, adhere to the Docker Maintenance Lifecycle (https://success.docker.com/article/maintenance-lifecycle), and is supported within the defined Docker Scope of Support (https://success.docker.com/article/scope-of-support) and Docker Commercial Support Service Levels (https://success.docker.com/article/commercial-support-service-levels). Refer to the Subscription Services (https://www.docker.com/subscription-services) or the End User Subscription Agreement (https://www.docker.com/docker-software-end-user-subscription-agreement) for more information. To view the latest updates and upgrade instructions, visit the release notes for daemon (https://docs.docker.com/ee/engine/release-notes/), DTR (https://docs.docker.com/ee/dtr/release-notes/), and UCP (https://docs.docker.com/ee/ucp/release-notes/).

See the Maintenance Lifecycle (https://success.docker.com/article/maintenance-lifecycle) page for more information on supported lifecycles.

Docker Enterprise Edition 2.0

Docker Enterprise Edition 2.0 requires Engine 17.06 and will NOT be compatible with the 18.03 Engine version. Any new features in the 18.03 Engine will not work with UCP. Please expect a newer Engine release to add this compatibility.

OS Distribution (x86_64)	Enterprise Engine	UCP	DTR	Storage Driver	Orchestration	DTR Storage Backend

OS Distribution (x86_64)	Enterprise Engine	UCP	DTR	Storage Driver	Orchestration	DTR Storage Backend
RHEL 7.3	17.06 starting with 17.06.2-ee-8	3.0.x	2.5.x	overlay2, devicemapper	Swarm mode, Kubernetes	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem
RHEL 7.4	17.06 starting with 17.06.2-ee-8	3.0.x	2.5.x	overlay2, devicemapper	Swarm mode, Kubernetes	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem
RHEL 7.5	17.06 starting with 17.06.2-ee-14	3.0.x starting with 3.0.2	2.5.3 and higher	overlay2	Swarm mode, Kubernetes	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem
SLES 12 SP2	17.06 starting with 17.06.2-ee-8	3.0.x	2.5.x	btrfs	Swarm mode, Kubernetes	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem
SLES 12 SP3	17.06 starting with 17.06.2-ee-11	3.0.x starting with 3.0.1	2.5.1 and higher	btrfs, overlay2	Swarm mode, Kubernetes	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem
Ubuntu 14.04	17.06 starting with 17.06.2-ee-8	3.0.x	2.5.x	aufs	Swarm mode, Kubernetes	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem
Ubuntu 16.04	17.06 starting with 17.06.2-ee-8	3.0.x	2.5.x	overlay2, aufs	Swarm mode, Kubernetes	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem
Ubuntu 18.04	17.06 starting with 17.06.2-ee-16	3.0.x starting with 3.0.3	2.5.x starting with 2.5.4	overlay2	Swarm mode, Kubernetes	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem

OS Distribution (x86_64)	Enterprise Engine	UCP	DTR	Storage Driver	Orchestration	DTR Storage Backend
CentOS 7	17.06 starting with 17.06.2-ee-8	3.0.x	2.5.x	overlay2, devicemapper	Swarm mode, Kubernetes	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem
Oracle Linux 7.3[1]	17.06 starting with 17.06.2-ee-8	3.0.x	2.5.x	overlay2, devicemapper[2]	Swarm mode, Kubernetes	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem
Windows Server 2016	17.06 starting with 17.06.2-ee-8	3.0.x[3]	n/a[5]	windowsfilter	Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem
Windows Server, version 1709	17.06 starting with 17.06.2-ee-14	3.0.x starting with 3.0.2[3]	n/a[5]	windowsfilter	Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem
Windows Server, version 1803	17.06 starting with 17.06.2-ee-16	3.0.x starting with 3.0.3[3]	n/a[5]	windowsfilter	Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem

IBM Z (s390x)[4]	Enterprise Engine	UCP	DTR	Storage Driver	Orchestration	DTR Storage Backend
SLES 12 SP3	17.06 starting with 17.06.2-ee-16	3.0.x starting with 3.0.3		overlay2	Swarm mode, Kubernetes	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift. Local Filesystem

[1] Oracle Linux 7.3 is supported with Red Hat Compatible kernel (RHCK) 3.10.0-514 and higher.

[2] The overlay2 storage driver is supported for all of EE 2.0. The devicemapper storage driver is supported starting with UCP 3.0.2. If you are upgrading from Docker EE 17.06 with devicemapper only support, it is recommended that you upgrade to EE 2.0 with UCP 3.0.2 or higher to maintain devicemapper support.

[3] Windows Server 2016, Windows Server version 1709, and Windows Server version 1803 are only supported as worker nodes.

[4]DTR does not run on IBM Z Linux.

[5]DTR does not run on Windows

Kubernetes Volume Drivers

- NFS v4 via Kubernetes e23
- AWS EFS
- AWS EBS
- Azure Disk
- Azure File

UCP and DTR Web Browser Compatibility

- Google Chrome 61 and higher
- Firefox 58 and higher
- IE 11 and higher
- Edge 16 and higher

Docker 18.03 EE Engine

WARNING: Docker Engine 18.03 is a standalone engine release. UCP and DTR will not run on Docker 18.03 EE Engine. Please see the Docker Enterprise Engine 18.03 FAQs (https://success.docker.com/article/engine-18-03-faqs) for details.

OS Distribution (x86_64)	Enterprise Engine	Storage Driver	Orchestration
RHEL 7.3	18.03.1-ee-1	overlay2, devicemapper	Swarm mode
RHEL 7.4	18.03.1-ee-1	overlay2, devicemapper	Swarm mode
RHEL 7.5	18.03.1-ee-1	overlay2, devicemapper	Swarm mode
SLES 12 SP2	18.03.1-ee-1	overlay2 with XFS, btrfs	Swarm mode

OS Distribution (x86_64)	Enterprise Engine	Storage Driver	Orchestration
SLES 12 SP3	18.03.1-ee-1	overlay2 with XFS, btrfs	Swarm mode
Ubuntu 14.04	18.03.1-ee-1	aufs	Swarm mode
Ubuntu 16.04	18.03.1-ee-1	overlay2, aufs	Swarm mode
Ubuntu 18.04	18.03.1-ee-1	overlay2	Swarm mode
CentOS 7	18.03.1-ee-1	overlay2, devicemapper	Swarm mode
Oracle Linux 7.3[1]	18.03.1-ee-1	overlay2	Swarm mode
Windows Server 2016	18.03.1-ee-1	windowsfilter	Swarm mode[2]
Windows Server, version 1709	18.03.1-ee-1	windowsfilter	Swarm mode[2]
Windows Server, version 1803	18.03.1-ee-1	windowsfilter	Swarm mode[2]

[1] Oracle Linux 7.3 is supported with Red Hat Compatible kernel (RHCK) 3.10.0-514 and higher.

[2] Windows Server 2016, Windows Server version 1709, and Windows Server version 1803 are only supported as worker nodes.

Docker Enterprise Edition 17.06 and earlier

OS Distribution (x86_64)	Enterprise Engine	UCP	DTR	Storage Driver	Orchestration	DTR Storage Backend
RHEL 7.5	17.06 starting with 17.06.2-ee-16	2.2.x starting with 2.2.11	2.4.x starting with 2.4.6	overlay2	Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift, Local Filesystem

OS Distribution (x86_64)	Enterprise Engine	UCP	DTR	Storage Driver	Orchestration	DTR Storage Backend
RHEL 7.1-7.4	17.06.1-ee-1 and higher	2.2.x starting with 2.2.2	2.3.x to 2.4.x[4]	devicemapper or overlay2[5]	Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift. Local Filesystem
SLES 12 SP2	17.06.1-ee-1 and higher	2.2.x starting with 2.2.2	2.3.x to 2.4.x[4]	btrfs	Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift. Local Filesystem
Ubuntu 14.04	17.06.1-ee-1 and higher	2.2.x starting with 2.2.2	2.3.x to 2.4.x[4]	aufs3	Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift. Local Filesystem
Ubuntu 16.04	17.06.1-ee-1 and higher	2.2.x starting with 2.2.2	2.3.x to 2.4.x[4]	aufs3	Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift. Local Filesystem
Ubuntu 18.04	17.06 starting with 17.06.2-ee-16	2.2.x starting with 2.2.11	2.4.x starting with 2.4.6[4]	aufs3	Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift. Local Filesystem
CentOS 7	17.06.1-ee-1 and higher	2.2.x starting with 2.2.2	2.3.x to 2.4.x[4]	devicemapper	Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift. Local Filesystem
Oracle Linux 7.3[1]	17.06.1-ee-1 and higher	2.2.x starting with 2.2.2	2.3.x to 2.4.x[4]	devicemapper	Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift. Local Filesystem
Windows Server 2016[2]	17.06.1-ee-1 and higher	2.2.x starting with 2.2.2	2.3.x to 2.4.x[4]	windowsfilter	Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift. Local Filesystem

IBM Z (s390x)[3]	Enterprise Engine	UCP	DTR	Storage Driver	Orchestration	DTR Storage Backend
RHEL 7.4	17.06.1-ee-1 and higher	2.2.x starting with 2.2.2	2.3.x to 2.4.x[4]		Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift. Local Filesystem
SLES 12R2	17.06.1-ee-1 and higher	2.2.x starting with 2.2.2	2.3.x to 2.4.x[4]		Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift. Local Filesystem
Ubuntu 16.04	17.06.1-ee-1 and higher	2.2.x starting with 2.2.2	2.3.x to 2.4.x[4]		Swarm mode	NFSv3, Amazon S3, S3 Compliant Alternatives, Azure Storage (Blob), Google Cloud Storage, OpenStack Swift. Local Filesystem

[1] Oracle Linux 7.3 is supported with Red Hat Compatible kernel (RHCK) 3.10.0-514 and higher.

[2] Windows Server 2016 is only supported as worker nodes.

[3] Starting with UCP 2.2.0, you can join worker nodes running on IBM Z(s390x) architecture. Starting with UCP 2.2.4, you can join manager nodes running on IBM Z(s390x) architecture. SELinux policies for Docker containers are not supported for Docker EE running on IBM Z.

[4] DTR 2.3.z and 2.4.z are only compatible with UCP 2.2.2 and greater.

[5] Overlay2 is recommended with Docker EE engine 17.06.02-ee-5 and higher. RHEL 7.1 and 7.2 do not support overlay2.

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