

Database, Java, Python, Docker, Kubernetes, and Image Versions

New Delhi

Package	Recommended Version	Release date	Notes
Java 11	Java 11		
	Minimum: Java SE 11.0.17	2022-10-18	Java SE 11 EOSL dates: September 2026 for Oracle, September 2026 for Azul, October 2024 for Red Hat
	Target: Java SE 11.0.21	2023-10-17	
	Java 17		
	Acceptable: Java SE 17.0.5	2022-10-18	Java SE 17: To accommodate ODL requirements; EOSL September 2024 for Oracle
	Target: Java SE 17.0.10	2024-01-16	source: https://en.wikipedia.org/wiki/Java_version_history source: Java Archive Oracle
Python 3	<i>Minimum 3.9.19</i>	2020-10-05	security fixes available through: 2025-10
	Target: 3.12.2	2023-10-02	security fixes available through: 2028-10 source: https://en.wikipedia.org/wiki/History_of_Python
pip	target: 22.3.2	2023-12-17	source: https://pip.pypa.io/en/stable/news/
	Acceptable: 22.3.1	2022-11-05	
Docker	Target: 24.0.9	2024-01-31	source: https://docs.docker.com/engine/release-notes/
	Minimum: 24.0.0	2023-05-16	
Kubernetes	Target: 1.29.0	2023-12-13	source: https://kubernetes.io/releases/
	Acceptable: 1.28.6+	2023-11-14	
kubectrl	Target: 1.29.0	2023-12-13	source: https://kubernetes.io/releases/
	Acceptable: 1.28.4+	2023-11-14	
keycloak	Target: 23.0.7	2024-02-22	source: Releases · keycloak/keycloak · GitHub usage: reference implementation
	Acceptable: 22.0.5	2023-10-24	
Istio	Acceptable: 1.21.1+	2024-03-13	source: Istio / Supported Releases usage: reference implementation
	Acceptable: 1.20.5+	2023-11-14	
Helm	Target: 3.13.3	2023-12-13	source: https://github.com/helm/helm/releases
	Acceptable: 3.12.3	2023-08-10	
Ubuntu	Target: 22.04.3 LTS	2023-08-10	source: https://wiki.ubuntu.com/Releases
	Acceptable: 20.04.6 LTS	2023-03-23	
Debian	Target 12.4	2023-12-10	source: https://wiki.debian.org/DebianReleases
Alpine	Target: 3.16.9, 3.17.7, 3.18.6	2024-01-26	source: https://alpinelinux.org/releases/
	Target: 3.19.0	2023-12-07	
CentOS	CentOS Linux 7-2009	2020-09-29	support ends: June 30, 2024
	CentOS 8-Stream		support ends: May 2024 source: https://www.centos.org/
curl	8.5 0	2023-12-06	source: https://curl.se/docs/releases.html

busybox	Acceptable: 1.36.1	2023-05-19	source: https://git.busybox.net/busybox/
OpenSSL	Target: 3.2.0	2023-11-30	ONAP acceptable cipher configuration must follow IANA recommendations source: https://www.openssl.org/
	Target: 3.1.4, 3.0.12	2023-10-24	
	Target: 1.1.1w	2023-09-11	
OpenSSH	Target: 9.6, 9.6p1	2023-12-18	ONAP acceptable cipher configuration must follow OpenSSH recommendations. source: https://www.openssh.com/releases/notes.html
	Target: 9.5/9.5p1	2023-10-04	
Cassandra	Acceptable: 4.1.4	2024-02-14	source: https://cassandra.apache.org/_/download.html
	Acceptable: 4.0.12	2024-01-23	
MongoDB	Acceptable: 6.0.14	2024-02-28	previous versions of 4.0, 5.0, 6.0 may skip peer certificate validation which may result in untrusted connections to succeed. source: https://www.mongodb.com/docs/manual/release-notes/
	Acceptable: 5.0.25	2028-02-28	
	Acceptable: 4.4.29	2028-02-28	
MariaDB	Acceptable: 11.1.3, 11.0.4, 10.11.6, 10.10.7, 10.6.16	2023-11-13	source: https://mariadb.com/kb/en/release-notes/ , https://en.wikipedia.org/wiki/MariaDB
Postgresql	NOTE that these releases fix a security bug in the previous minor releases. Acceptable: 16.2 Acceptable: 15.6 Acceptable: 14.11 Acceptable: 13.14 Acceptable: 12.18	2024-02-08	Final release: 2028-11-09
		2024-02-08	Final release: 2027-11-11
		2024-02-08	Final release: 2026-11-12
		2024-02-08	Final release: 2025-11-13
		2024-02-08	Final release: 2024-11-14
			https://www.postgresql.org/support/versioning/
Camunda	Acceptable: 8.4.0, 8.3.5, 8.2.20, 8.1.22	2024-01-08	source: https://docs.camunda.org/get-started/quick-start/
OpenDayLight	Potassium	2024-02-24	https://www.opendaylight.org/
Kafka	Acceptable: 3.6.1	2023-12-07	Do not use 3.3.0 because it contains a significant bug
	Acceptable: 3.6.0	2023-10-10	Do not use 3.2.2 because it contains a significant bug
	Acceptable: 3.5.2	2023-12-23	source: https://kafka.apache.org/downloads
etcd	Target: 3.5.11	2023-12-7	in multicloud k8s https://github.com/etcd-io/etcd/releases
	Acceptable: 3.4.28	2023-11-23	
redis	Acceptable: 7.2.4	2024-01-09	Upgrade urgency: SECURITY, contains fixes to security issues.
	Acceptable: 7.0.15	24-01-09	Upgrade urgency: SECURITY, contains fixes to security issues.
	Acceptable: 6.2.14	23-10-18	Upgrade urgency: SECURITY, contains fixes to security issues.
	Acceptable: 6.0.20	2023-07-10	Upgrade urgency: SECURITY, contains fixes to security issues. in DCAE, VFC source: https://github.com/redis/re

Elasticsearch	Acceptable: 8.12.0	2024-01-17	EOSL: The later of 2024-08-10 or 6 months after the release date of 9.0 (TBD)
	Acceptable: 8.11.4	2024-01-11	EOSL: The later of 2024-08-10 or 6 months after the release date of 9.0 (TBD)
	Acceptable: 8.6.2	2023-02-16	EOSL: The later of 2024-08-10 or 6 months after the release date of 9.0 (TBD)
	Acceptable: 7.17.17	2024-01-23	EOSL: Maintained until version 9.0.0 source: https://www.elastic.co/support/eol source: https://github.com/elastic/elasticsearch/releases in SDNC +
haproxy	Acceptable: 2.9.0	2023-12-05	provides a path to 2.8 to be released in 2023 and is the next LTS version Current LTS (LTS through 2027-Q2) used by AAI http://www.haproxy.org/
	Acceptable: 2.8.0	2023-05-21	
	Acceptable: 2.7.1	2022-12-19	
	Acceptable: 2.6.7	2022-12-02	
filebeat	Acceptable: 8.11.4	2024-01-11	source: https://github.com/elastic/beats/releases
	Acceptable: 8.10.4	2023-10-17	
	Acceptable: 7.17.16	2023-12-12	
nginx	Acceptable: 1.25.4	2024-02-14	source: https://endoflife.date/nginx
	Acceptable: 1.24.0	2023-04-11	
nexus	Acceptable: 3.63.0	2023-12-05	Amy Zwarico ask LFIT what version is currently running https://help.sonatype.com/repomanager3/product-information/release-notes Nexus Repository Manager software usage: possibly in Policy
zookeeper	Target: 3.9.2	2024-03-11	has known security vulnerabilities has known security vulnerabilities source: https://mvnrepository.com/artifact/org.apache.zookeeper/zookeeper usage: dmaap message router and portal
	Acceptable: 3.9.1	2023-10-03	
	Target: 3.8.4	2024-03-04	
	Acceptable: 3.8.3	2023-10-09	
memcached	Acceptable: 3.7.0	2023-12-29	in contrib source: https://github.com/memcached/memcached/wiki/ReleaseNotes
	Acceptable: 3.6.9	2023-12-29	
	Acceptable: 3.5.9	2023-08-28	
rabbitmq	Target: 3.12.12	2024-01-05	source: https://github.com/rabbitmq/rabbitmq-server/releases
	Acceptable: 3.11.27	2023-12-13	
ChartMuseum	Target: 0.16.1	2024-01-04	source: https://github.com/helm/chartmuseum/releases
	Acceptable: 0.16.0	2023-06-14	

Montreal

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Java 11	Minimum: Java SE 11.0.17	2022-10-18	Java SE 11 EOSL dates: September 2026 for Oracle, September 2026 for Azul, October 2024 for Red Hat Java SE 17: To accommodate ODL requirements See: Dependency Upgrade in Policy Framework source: https://www.java.com/releases/ , https://en.wikipedia.org/wiki/Java_version_history
	Acceptable: Java SE 11.0.19	2023-04-18	
	Target: Java SE 17.7	2023-04-18	
Python 3	<i>Absolute minimum</i> 3.8.16	2022-12-06	security fixes available through: 2024-10 security fixes available for 3.10 through: 2026-10 security fixes available for 3.11 through: 2027-10 source: https://www.python.org/doc/versions/ , https://www.python.org/downloads/ , https://en.wikipedia.org/wiki/History_of_Python
	Minimum: 3.10.10	2023-04-05	
	Target: 3.11.3	2023-04-05	
centOS	Rocky Linux 8 or 9		7.9 is the final release of CentOS. CentOS users should upgrade to Rocky Linux 8 or 9.
curl	8.4.0	2023-10-11	source: https://curl.se/docs/releases.html

London

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Java 11	Minimum: Java SE 11.0.14	2022-01-18	Java SE 11 EOSL dates: September 2026 for Oracle, September 2026 for Azul, October 2024 for Red Hat Java SE 17: To accommodate ODL requirements source: https://en.wikipedia.org/wiki/Java_version_history
	Target: Java SE 11.0.17	2022-10-18	
	Acceptable: Java SE 17.0.5	2022-10-18	
Python 3	<i>Absolute minimum</i> 3.7.16	2018-06-27	security fixes available through: 2023-06-27 security fixes available through: 2026-10 security fixes available through: 2027-10 source: https://en.wikipedia.org/wiki/History_of_Python
	Minimum: 3.10.9	2021-10-04	
	Target: 3.11.1	2022-10-24	
pip	target: 22.3.1	2022-11-05	source: https://pip.pypa.io/en/stable/news/
	Acceptable: 22.0.4	2022-03-07	
Docker	Target: 20.10.22	2022-12-16	source: https://docs.docker.com/engine/release-notes/
	Minimum: 20.10.13	2022-03-10	
Kubernetes	Target: 1.26.0	2022-12-09	1.24 enters maintenance mode on 2023-05-28 and End of Life is on 2023-07-28 1.25 enters maintenance mode on 2023-08-28 and End of Life is on 2023-10-28 source: https://kubernetes.io/releases/
	Acceptable: 1.24.9, 1.25.5	2022-12-08	
kubectl	Target: 1.26.0	2022-12-09	1.24 enters maintenance mode on 2023-05-28 and End of Life is on 2023-07-28 1.25 enters maintenance mode on 2023-08-28 and End of Life is on 2023-10-28 source: https://kubernetes.io/releases/
	Acceptable: 1.24.9, 1.25.5	2022-12-08	
Helm	Target: 3.10.3	2022-12-14	source: https://github.com/helm/helm/releases
	Acceptable: 3.9.4	2021-08-24	
Ubuntu	Target: 20.04.4 LTS	2022-02-24	End of Standard Support: 2025-04 End of Standard Support: 2027-04 source: https://wiki.ubuntu.com/Releases
	Target: 22.04.1 LTS	2022-08-11	
Debian	11.6	2022-12-17	End of support: ~2024-07 source: https://wiki.debian.org/DebianReleases

Alpine	3.17.1	2023-01-09	End of support: 2024-11-22
	3.16.3	2022-11-11	End of support: 2024-05-23
	3.15.6	2022-08-09	End of support: 2023-11-01 source: https://alpinelinux.org/releases/
CentOS	CentOS Linux 7-2009 CentOS 8-Stream	2020-09-29	support ends: June 30, 2024 support ends: May 2024 source: https://www.centos.org/
curl	7.87.0	2022-12-21	source: https://curl.se/docs/releases.html
busybox TBD)	Target: 1.35.0 Acceptable: 1.34.1	2021-12-26 2021-09-30	source: https://git.busybox.net/busybox/
OpenSSL	Target: 3.0.5 (LTS) Acceptable: 1.1.1	2022-10-12 2021-10-12	support ends 2026-09-07 support ends 2023-09-11 ONAP acceptable cipher configuration must follow IANA recommendations source: https://www.openssl.org/
OpenSSH	Target: 9.1 Acceptable: 8.9	2022-10-04 2021-02-23	ONAP acceptable cipher configuration must follow OpenSSH recommendations. source: https://www.openssh.com/releasenotes.html
Cassandra	Target: 4.1.0 Acceptable: 4.0.7 Acceptable: 3.11.14 Acceptable: 3.0.28	2022-12-14 2022-10-23 2022-10-23 2022-10-23	Maintained until 4.3.0 release (May-July 2025) Maintained until 4.3.0 release (May-July 2024) Maintained until 4.2.0 release (May-July 2023) Maintained until 4.3.0 release (May-July 2023) source: https://cassandra.apache.org/_/download.html
MongoDB	Target: 6.0 Acceptable: 5.0.14 Acceptable: 4.4.118 Acceptable: 4.2.23	2022-05-31 2022-10-21 2022-10-21 2022-09-29	source: https://www.mongodb.com/docs/manual/release-notes/
MariaDB	Target: 10.10.2 Acceptable: 10.9.4	2022-11-17 2022-11-07	source: https://mariadb.com/kb/en/release-notes/ , https://en.wikipedia.org/wiki/MariaDB
Postgresql	Target: 15.1 Acceptable: 14.6 Acceptable: 13.9 Acceptable: 12.13	2022-11-10 2022-11-10 2022-11-10 2022-11-10	Final release: 2027-11-11 Final release: 2026-11-12 Final release: 2025-11-13 Final release: 2024-11-14 https://www.postgresql.org/support/versioning/
Camunda	7.18.0	2022-10-04	source: https://docs.camunda.org/get-started/quick-start/
OpenDayLight	Chlorine	2022-12-27	https://www.opendaylight.org/
Kafka	Target: 3.3.1 Acceptable: 3.2.2 Acceptable: 3.1.2 Acceptable: 3.0.2	2022-10-03 2022-09-19 2022-09-19 2022-09-19	Do not use 3.3.0 because it contains a significant bug Do not use 3.2.2 because it contains a significant bug source: https://kafka.apache.org/downloads

etcd	Target: 3.5.6 Acceptable: 3.4.23	2022-11-21 2022-12-21	in multicloud k8s https://github.com/etcd-io/etcd/releases
redis	Target: 7.0.8 Acceptable: 6.2.10	2023-01-16 2023-01-17	Upgrade urgency: SECURITY, contains fixes to security issues. Upgrade urgency: SECURITY, contains fixes to security issues. in DCAE, VFC source: https://github.com/redis/redis/releases
Elasticsearch	Target: 8.6.0 Acceptable: 8.5.3 Acceptable: 8.4.3 Acceptable: 7.17.8	2023-01-10 2022-12-08 2022-10-05 2022-12-08	EOSL: The later of 2024-08-10 or 6 months after the release date of 9.0 (TBD) EOSL: The later of 2024-08-10 or 6 months after the release date of 9.0 (TBD) EOSL: The later of 2024-08-10 or 6 months after the release date of 9.0 (TBD) EOSL: Maintained until version 9.0.0 source: https://www.elastic.co/support/eol source: https://github.com/elastic/elasticsearch/releases in SDNC +
consul	Target: 1.14.3 Acceptable: 1.13.5 Acceptable: 1.12.8 Acceptable: 1.11.11	2022-12-13 2022-12-13 2022-12-13 2022-10-19	source: https://github.com/hashicorp/consul/releases in AAF SMS + in "consul"
vault	Target: 1.12.2 Acceptable: 1.11.6 Acceptable: 1.10.9 Acceptable: 1.9.10	2022-11-30 2022-11-30 2022-11-30 2022-09-29	source: https://github.com/hashicorp/vault/releases in AAF SMS ???
haproxy	Target: 2.7.1 Acceptable: 2.6.7 Acceptable: 2.5.7 Acceptable 2.4.20	2022-12-19 2022-12-02 2022-05-13 2022-12-09	provides a path to 2.8 to be released in 2023 and is the next LTS version Current LTS (LTS through 2027-Q2) 2023-Q1 (stable) LTS through 2026-Q2 used by AAI http://www.haproxy.org/
nifi-registry	Target: 1.19.1 Acceptable: 1.18.0 Acceptable: 1.17.0 Acceptable: 1.16.3	2022-12-07 2022-10-06 2022-08-01 2022-01-18	used by DCAE Mod source: https://nifi.apache.org/download.html
filebeat	Target: 8.6.0 Acceptable: 8.5.3 Acceptable: 7.17.8	2023-01-10 2022-12-08 2022-12-08	source: https://github.com/elastic/beats/releases

nginx	Target: 1.23.3 Acceptable: 1.22.1	2022-12-13 2022-10-19	source: https://endoflife.date/nginx
nexus	Target: 3.45.1 Acceptable: 3.44.0 Acceptable: 3.43.0	2023-01-17 2022-12-14 2022-11-07	Amy Zwarico ask LFIT what version is currently running https://help.sonatype.com/repomanager3/product-information/release-notes Nexus Repository Manager software in policy I guess
zookeeper	Target: 3.8.0 Stable: 3.7.1	2022-04-04 2022-05-10	Latest release - transition when stable release available Latest stable release source: https://mvnrepository.com/artifact/org.apache.zookeeper/zookeeper dmap message router and in portal
memcached	Target: 1.6.18 Acceptable: 1.6.17	2023-01-10 2022-08-26	in contrib source: https://github.com/memcached/memcached/wiki/ReleaseNotes
netbox	Target: 3.4.2 Acceptable: 3.3.10 Acceptable: 3.2.9	2023-01-03 2022-12-13 2022-08-16	source: https://github.com/netbox-community/netbox/releases in contrib
awx	21.10.2	2022-12-21	in contrib https://github.com/ansible/awx/releases
ejbca	7.11.0 7.10.0.2 7.9.0.1	2023-01-12 2022-10-11	in contrib https://www.ejbca.org/download/
rabbitmq	Target: 3.11.7 Acceptable: 3.10.14 Acceptable: 3.9.27	2023-01-17 2023-01-17 2022-12-13	source: https://github.com/rabbitmq/rabbitmq-server/releases
ChartMuseum	Target: 0.15.0 Acceptable: 0.14.0	2022-07-05 2022-01-31	source: https://github.com/helm/chartmuseum/releases

Kohn

Package	Recommended Version	Release date	Notes
Java 11	Minimum: Java SE 11.0.14 Target: Java SE 11.0.15	2022-01-18 2022-04-19	openjdk 11: jre-11.0.15_10-alpine
Python 3	Minimum: 3.10.4	2021-10-04	security fixes available through 2023-06 all versions before 3.10.4 are out of support

pip	target: 22.1.2 Acceptable: 22.0.4	2022-05-31 2022-03-07	
Docker	Target: 20.10.16 Minimum: 20.10.13	2022-05-12 2022-03-10	
Kubernetes	Target: 1.24.1 Acceptable: 1.23.7	2022-05-24 2022-05-24	1.24.1 support ends 2023-09-29 1.23.7 support ends 2023-02-28 All earlier version support ends prior to the Kohn release date. Note that beginning with 1.19, Kubernetes versions will be supported for one year 1.19 support ended 2021-09-30 1.20 support ends 2022-02-28
kubectrl	Target: 1.24.0 Acceptable: 1.23.6	2022-05-03 2022-04-13	EOSL 2023-09-29 EOSL 2023-02-28
Helm	Target: 3.9.0 Acceptable: 3.8.0	2022-05-11 2021-04-13	https://github.com/helm/helm/releases
Ubuntu	Target: 20.04.4 LTS Target: 22.04 LTS	2022-02-24 2022-04-21	End of Standard Support: 2025-04 End of Standard Support: 2027-04 https://wiki.ubuntu.com/Releases
Debian	11.3	2022-03-26	No end of standard support date published https://wiki.debian.org/DebianReleases
Alpine	3.16.0 3.15.4	2022-05-23 2022-04-04	End of support: 2024-05-23 End of support: 2023-11-01 https://alpinelinux.org/releases/
CentOS	CentOS Linux 7-2009 CentOS 8-Stream	2020-09-29	support ends: June 30, 2024 support ends: May 2024 https://www.centos.org/
curl	7.83.1	2022-05-11	https://curl.se/docs/releases.html
busybox	Target: 1.35.0 Acceptable: 1.34.1	2021-12-26 2021-09-30	https://git.busybox.net/busybox/
OpenSSL	Target 3.0 Acceptable: 1.1.1	2022-05-03 2021-03-25	latest release support ends 2023-09-11 ONAP acceptable cipher configuration must follow IANA recommendations.
OpenSSH	Target: 9.0 Acceptable: 8.8	2022-04-08 2021-09-26	ONAP acceptable cipher configuration must follow OpenSSH recommendations.
Cassandra	Target: 4.0.4 Acceptable: 3.11.13 Acceptable: 3.0.27	2022-02-17 2022-02-08 2022-02-08	Maintained until 4.3.0 release (May-July 2024) Maintained until 4.2.0 release (May-July 2023) Maintained until 4.3.0 release (May-July 2024) https://cassandra.apache.org/_/download.html
MongoDB	Target: 5.0.9 Acceptable: 4.4.14	2022-05-31 2022-05-09	https://www.mongodb.com/docs/manual/release-notes/
MariaDB	Target: 10.9.1 Acceptable: 10.6.8 Acceptable: 10.8.3	2022-05-20 2022-05-20 2021-11-08	End of life: Jun 2025 End of life: Jul 2026 End of life: May 2023 https://mariadb.com/kb/en/release-notes/ , https://en.wikipedia.org/wiki/MariaDB

Postgresql	Target: 14.4 Acceptable: 13.7	2022-06-16 2020-09-24	Final release: 2026-11-12 Final release: 2025-11-13 https://www.postgresql.org/support/versioning/
Camunda	7.17.0	2022-04-12	
OpenDayLight	Sulfer 16.0	2022-05-13	Migration to Chlorine planned in London release https://www.opendaylight.org/
Kafka	Target: 3.2.0 Acceptable: 3.1.1 Acceptable: 3.0.1	2022-05-17 2022-05-17 2022-03-11	https://kafka.apache.org/downloads
etcd	Target: 3.5.4 Acceptable: 3.4.18	2022-04-24 2021-10-15	in multicloud k8s https://github.com/etcd-io/etcd/releases
redis	Target: 7.0.0 Acceptable: 6.2.7	2022-04-17 2022-04-17	Upgrade urgency: SECURITY, contains fixes to security issues. https://github.com/redis/redis/releases in DCAE, VFC
Elasticsearch	Target: 8.2.2 Acceptable: 7.17.4	2022-05-26 2022-05-24	Maintained until 2023-10-26 and version 8.3.0 Maintained until version 9.0.0 https://www.elastic.co/support/eol https://github.com/elastic/elasticsearch/releases in SDNC +
consul	Target: 1.12.2 Acceptable: 1.11.6	2022-06-03 2022-05-25	in AAF SMS + in "consul" https://github.com/hashicorp/consul/releases
vault	Target: 1.10.3 Acceptable: 1.10.1 Acceptable: 1.9.6	2022-05-11 2022-04-29 2022-04-29	in AAF SMS ??? https://github.com/hashicorp/vault/releases
haproxy	Target: 2.6.1 Acceptable: 2.5.7	2022-05-31 2022-05-13	Current LTS (2027-Q2) 2023-Q1 (stable) used by AAI http://www.haproxy.org/
nifi-registry	Target: 1.16.2 Acceptable: 1.15.3	2022-05-26 2022-01-18	used by DCAE Mod https://nifi.apache.org/download.html
filebeat	Target: 8.2.2 Acceptable: 7.17.4	2022-05-26 2022-05-24	https://github.com/elastic/beats/releases
nginx	Target: 1.22.0 Acceptable: 1.21.6	2022-05-24 2022-01-025	https://endoflife.date/nginx
nexus	3.39.0	2022-05-23	Amy Zwarico ask LFIT what version is currently running https://help.sonatype.com/repomanager3/product-information/release-notes Nexus Repository Manager software in policy I guess
zookeeper	Target: 3.8.0 Stable: 3.7.1	2022-03-07 2022-05-12	Latest release - transition when stable release available Latest stable release dmaap message router and in portal
memcached	1.6.15	2022-03-29	in contrib https://github.com/memcached/memcached/wiki/ReleaseNotes
netbox	Target: 3.2.4 Acceptable: 3.1.11	2022-05-31 2022-04-05	in contrib https://github.com/netbox-community/netbox/releases

awx	12.1.0	2022-06-02	in contrib https://github.com/ansible/awx/releases
ejbca	7.9.0.1	2022-06-02	in contrib https://www.ejbca.org/download/
rabbitmq	Target: 3.10.5 Acceptable: 3.9.20 Acceptable: 3.8.34	2022-06-01 2022-06-01 2022-06-01	https://github.com/rabbitmq/rabbitmq-server/releases
ChartMuseum	Target: 0.14.0 Acceptable: 0.13.1	2022-01-31 2022-03-11	https://github.com/helm/chartmuseum/releases

Jakarta

Package	Recommended Version	Release date	Notes
Java 11	Minimum: Java SE 11.0.10 Target: Java SE 11.0.13	2021-01-19 2021-10-19	
Python 3	Minimum: 3.7.12 Target: 3.10.1	2018-06-27 2021-12-06	security fixes available through 2023-06
pip	target: 21.3.1 Acceptable: 21.2.4	2021-10-22 2021-08-12	
Docker	Minimum: 19.03.15 Target: 20.10.11	2021-02-01 2021-11-17	Docker 19.03.x: at least 19.03.15 Docker 20.10.x: at least 20.10.11
Kubernetes	Acceptable: 1.21.7 Target: 1.22.4	2021-11-17 2021-11-17	1.21 support ends 2022-06-28 1.22 support ends 2022-10-28 Note that beginning with 1.19, Kubernetes versions will be supported for one year 1.19 support ended 2021-09-30 1.20 support ends 2022-02-28
kubectl	1.22.4	2021-11-17	
Helm	Acceptable: 3.6.4 Target: 3.7.1 Future: 3.8.0	2021-11-10 2021-10-13 2020-09-18 will be released 2022-01-12	https://github.com/helm/helm/releases
Ubuntu	20.04.3 LTS	2021-08-26	Standard support through 2025-04
Debian	11.1	2021-10-09	
Alpine	3.15.0 3.14.3 3.13.7	2021-11-24 2021-11-12 2021-01-14	security support ends 2023-11-01 security support ends 2023-05-01 security support ends 2022-11-01
CentOS	8.5-2111 7.9-2009	2021-11-16 2020-09-29	support ends: Dec 31th, 2021 support ends: Jun 30th, 2024
curl	7.80.0	2021-10-10	
busybox	1.34.1	2021-09-30	
OpenSSL	1.1.1	2021-03-25	support ends 2023-09-11 ONAP acceptable cipher configuration must follow IANA recommendations.
OpenSSH	8.8	2021-09-26	ONAP acceptable cipher configuration must follow OpenSSH recommendations.

Cassandra	Acceptable: 3.11.10 Target: 4.0.1	2021-02-28 2021-09-07	
MongoDB	Target: 5.0 (Kohn) Acceptable: 4.4.10	2021-07-13 2021-10-15	
MariaDB	Acceptable: 10.5.13 Target 10.6.5	2021-11-08 2021-11-08	End of life: Jun 2025 End of life: Jul 2026
Postgresql	14.1 13.5	2021-09-30 2020-09-24	Final release: 2026-11-12 Final release: 2025-11-13
Camunda	7.16.0	2021-10-12	
OpenDayLight	Phosphorus-SR1	2021-10-15	https://www.opendaylight.org/
Kafka	Acceptable: 2.8.1 Target: 3.0.0	2021-09-17 2021-10-21	https://kafka.apache.org/downloads
etcd	3.4.18 3.5.1	2021-10-15 2021-10-15	in multicloud k8s
redis	6.2.6	2021-10-04	in DCAE, VFC
Elasticsearch	Acceptable: 6.8.20 Target: 7.15.2	2021-10-14 2021-11-10	Maintained until version 8.0.0 Maintained until version 7.16.0 https://www.elastic.co/support/eol in SDNC +
consul	Acceptable: 1.9.11 Target: 1.10.4	2021-11-11 2021-11-11	in AAF SMS + in "consul"
vault	Acceptable: 1.7.6 Acceptable: 1.8.5 Target: 1.9.0	2021-11-04 2021-11-04 2021-11-11	in AAF SMS ???
haproxy	2.4.9	2021-11-24	Current LTS version; supported until 2026-Q2 used by AAI
nifi-registry	Acceptable: 1.13.2 Target: 1.15.0	2021-07-14 2021-11-07	used by DCAE Mod
filebeat	Target: 7.15.2	2021-11-10	Note: 7.12.1 is the terminal release of 7.12 Note: 7.13.4 is the terminal release of 7.13 Note: 7.14.2 is the terminal release of 7.14 No additional bug fixes or documentation updates will be released for these versions.
nginx	1.21.4	2021-11-02	
nexus	3.37.0	2021-11-24	Nexus Repository Manager software in policy I guess Amy Zwarico is this a nexus repo or another software component called nexus? 3.23.0 is from Sonatype. Gervais-Martial Ngueko I believe that Morgan Richomme put nexus on the list and I don't know if it is the nexus repo or something else. Amy Zwarico yes it is Nexus Repository Manager software, I don't see something else related to "Nexus"
zookeeper	3.6.3 3.7.0	2021-04-13 2021-03-27	Latest stable release Latest release - transition when stable release available dmap message router and in portal
memcached	1.6.12	2021-09-28	in contrib
netbox	Acceptable: 2.11.12 Target: 3.0.11	2021-08-23 2021-11-24	in contrib

awx	19.5.0	2021-11-19	in contrib
ejbca	7.4.3.2	2021-03-29	in contrib
rabbitmq	Acceptable: 3.8.26 Target: 3.9.11	2021-11-20 2021-12-02	
ChartMuseum	0.1.3	2021-03-11	

Istanbul

Package	Recommended Version	Release date	Notes
Java 11	Java SE 11.0.11	2021-04-20	11.0.6, 11.0.8, 11.0.9, 11.0.10 are still acceptable, but plans should be made to upgrade to latest version
Python 3	3.9.5	2020-10-05	3.8.10 is still acceptable, but plans should be made to upgrade to latest version
Docker	20.10.6	2021-04-12 2020-09-16	
Kubernetes	1.21	8 April 2021 2020-08-26	Note that beginning with 1.19, Kubernetes versions will be supported for one year 1.19 support ends 30 September 2021 1.20 support ends 30 December 2021
Helm	3.6.0	will be released on May 26, 2021 2020-09-18	Helm v2 is supported only till 13th of November (source). Migration to v3 is mandatory
Ubuntu	20.04.1 LTS	2020-08-06 2020-04-23	
Debian	10.9	2021-03-27 2020-08-01	
Alpine	3.13.0	2021-01-14 2020-05-29	
CentOS	8.3-2011	2020-12-07 2020-06-15	
OpenSSL	1.1.1k	2021-03-25 2020-04-21	ONAP acceptable cipher configuration TBD.
OpenSSH	8.6	2021-04-19 2020-05-27	ONAP acceptable cipher configuration TBD.
Cassandra	3.11.10	2021-02-01 2020-08-31	
MongoDB	4.4.5	2021-04-08 2020-09-09	
MariaDB	10.5.10	2021-05-07 2020-08-10	
Postgresql	13.3	2021-05-13 2020-02-13	
Camunda	7.15.0	2021-04-13 2020-06-02	
OpenDayLight	Aluminum	2020-08-11 2020-09-28	

Kafka	2.8.0	2021-04-19 2020-08-10	
etcd	v3.4.16	2021-05-11	in multcloud k8s
redis	6.2.3	2021-05-03	in DCAE, VFC
Elasticsearch	7.12.1	2021-04-27	in SDNC +
consul	1.9.5	2021-04-15	in AAF SMS + in "consul"
vault	1.7.1	2021-04-23	in AAF SMS ???
haproxy	2.4.0	2021-05-14	used by AAI
nifi-registry	1.13.2	2021-03-19	used by DCAE Mod
filebeat	7.12.1	2021-04-27	Has filebeat been removed from Guilin?
nginx	1.20.0	2021-04-20	
nexus	3.30.1-01	2021-04-22	Need to research the use in HONOLULU in policy I guess Amy Zwarico is this a nexus repo or another software component called nexus? 3.23.0 is from Sonatype. Gervais-Martial Nguoko I believe that Morgan Richomme put nexus on the list and I don't know if it is the nexus repo or something else. Amy Zwarico yes it is Nexus Repository Manager software, I don't see something else related to "Nexus"
zookeeper	3.7.0	2021-03-27	dmaap message router and in portal
memcached	1.6.9	2020-11-21	in contrib
netbox	2.11.3	2021-05-07	in contrib
awx	19.1.0	2021-04-30	in contrib
ejbca	7.4.3.2	2021-03-29	in contrib
rabbitmq	3.8.16	2021-05-04	
ChartMuseum	0.1.3	2021-03-11	

Honolulu

Recommended open source, java and python packages: [HonoluluPackageVersions.xlsx](#)

Package	Recommended Version	Release date	Notes
Java 11	Java SE 11.0.9	2020-10-20	11.0.6, 11.0.8 are still acceptable, but not preferred
Python 3	3.9	2020-10-05	2020-11-12 - recommended version updated
Docker	19.03.13	2020-09-16	
Kubernetes	1.19	2020-08-26	Note that beginning with 1.19, Kubernetes versions will be supported for one year
Helm	3.3.3 (3.4.0 if available)	2020-09-18	Helm v2 is supported only till 13th of November (source). Migration to v3 is mandatory
Ubuntu	20.04 LTS	2020-04-23	
Debian	10.5	2020-08-01	
Alpine	3.12	2020-05-29	
CentOS	8.2-2004	2020-06-15	
OpenSSL	1.1.1g	2020-04-21	ONAP acceptable cipher configuration TBD.
OpenSSH	8.3	2020-05-27	ONAP acceptable cipher configuration TBD.
Cassandra	3.11.8	2020-08-31	

MongoDB	4.4.1	2020-09-09	
MariaDB	10.5.5	2020-08-10	
Postgresql	12.4	2020-02-13	
Camunda	7.13	2020-06-02	
OpenDayLight	Magnesium Aluminum	2020-08-11 TBD	
Kafka	2.5.1	2020-08-10	
etcd	v3.4.13	2020-8-24	in multcloud k8s
redis	6.0.8	2020-09-09	in DCAE, VFC
Elasticsearch	7.9.1	2020-09-03	in CLAMP + SDNC +
consul	1.7.2	2020-03-16	in AAF SMS + in "consul"
vault	1.4.1	2020-04-30	in AAF SMS ???
	1.3.5	2020-04-28	
haproxy	2.2	2019-07-07	used by AAI
nifi-registry	1.12.0	2020-08-18	used by DCAE Mod
filebeat	7.9.1	2020-03-31	Has filebeat been removed from Guilin?
nginx	1.19.2	2020-08-11	
nexus	3.23.0	2020-05-05	Need to research the use in HONOLULU in policy I guess Amy Zwarico is this a nexus repo or another software component called nexus? 3.23.0 is from Sonatype.
zookeeper	3.6.2	2020-09-09	dmaap message router and in portal
memcached	1.6.7	2020-09-04	in contrib
netbox	2.8.9	2020-08-04	in contrib
awx	14.1.0	2020-09-26	in contrib
ejbca	7.3.1.2	2020-03-23	in contrib
rabbitmq	3.8.8	2020-09-03	used by multcloud fcaps - 3.7.25 is the final release in the 3.7.x series and GitHub recommends using 3.8.3 or higher
	3.7.25	2020-04-09	

Guilin

Guilin Java upgrade results: [onap-guilin-java-versions.xlsx](#)

Guilin Python upgrade results: [onap-guilin-python-versions.xlsx](#)

Package	Recommended Version	Release date	Notes
Java 11	Java SE 11.0.6, 11.0.8	2020-01-14	Based on the Java 11 release history, there will likely be new releases in April, July and November.
Python 3	3.8.2	2019-10-14	Next release is planned for 2020-10-05
Docker	19.03.8	2020-03-10	
Kubernetes	1.17	2019-12-09	1.18.0-rc.1 was released on 2020-03-17. If it is stable within the next month, I recommend using 1.18 for Guilin.
Ubuntu	20.04 LTS	2018-04-23	
Debian	10	2019-07-06	
Alpine	3.11.5	2019-12-19	
CentOS	8	2019-09-24	
OpenSSL	1.1.1g	2020-04-21	ONAP acceptable cipher configuration TBD.
OpenSSH	8.2	2020-02-14	ONAP acceptable cipher configuration TBD.
Cassandra	3.11.6	2020-02-14	

MongoDB	4.2.2	2019-12-09	
MariaDB	10.4.12	2020-01-28	Preview version of 10.5.1 became available on 2020-02-14
Postgresql	12.2	2020-02-13	11.7 was released on 2020-02-13 and Postgresql 11 will remain supported until 2023-11-09
Camunda	7.12.0	2019-11-20	
OpenDayLight	Sodium-SR2	2020-02-11	
Kafka	2.4.1	2020-03-12	
etcd	v3.4.7	2020-04-01	in multicloud k8s
redis	6.0.0	2020-04-30	in DCAE, VFC
Elasticsearch	7.6.2	2020-03-31	in SDNC +
consul	1.6.5	2020-04-13	in AAF SMS + in "consul"
	1.7.2	2020-03-16	
vault	1.4.1	2020-04-30	in AAF SMS
	1.3.5	2020-04-28	
haproxy	2.0	2019-06-16	used by AAI
nifi-registry	1.11.4	2020-03-22	used by DCAE Mod
filebeat	7.6.2	2020-03-31	will be hopefully removed by end of Guilin
nginx	1.18.0	2020-04-20	in contrib, in
	1.17.10	2020-04-23	
nexus	3.23.0	2020-05-05	in policy I guess
			Amy Zwarico is this a nexus repo or another software component called nexus? 3.23.0 is from Sonatype.
zookeeper	3.6.1	2020-04-30	dmaap message router and in portal
memcached	1.6.5	2020-04-13	in contrib
			Amy Zwarico the latest version of nmemcached was released in 2012. It is not clear if nmemcached is still supported by the community Sylvain Desbureaux : it's a typo, it's https://memcached.org/ actually sorry... 🙄
netbox	2.8.1	2020-04-23	in contrib
awx	11.2.0	2020-04-29	in contrib
ejbca	6.15.2.6		in contrib
rabbitmq	3.7.25	2020-04-09	used by multicloud fcaps
	3.8.3	2020-03-10	3.7.25 is the final release in the 3.7.x series and GitHub recommends using 3.8.3