

**Cloud Search Service**

# **Product Bulletin**

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# 1 Lifecycle of CSS Cluster Versions

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## Version Description

Currently, CSS uses three engines: Elasticsearch, Logstash, and OpenSearch. Elasticsearch and OpenSearch are data storage engines whose version lifecycle you need to pay attention to.

The major versions provided by CSS are as follows. The version numbers are consistent with the open-source versions.

- Elasticsearch engine: 5.5.1, 6.2.3, 6.5.4, 6.8.23 (intermediate version), 7.1.1, 7.6.2, 7.9.3, and 7.10.2. Currently, you can create clusters of versions 7.6.2 and 7.10.2 on the console.
- OpenSearch engine: 1.3.6 and 2.11.0. Currently, you can create clusters of version 1.3.6 on the console but cannot upgrade them.
- Logstash engine: 5.6.16 and 7.10.0. Currently, you can create clusters of version 7.10.0 on the console but cannot upgrade them.

## Cluster Version Upgrade

The following upgrade capabilities are provided:

- Same-version upgrade: Upgrade the old version to the latest version. For example, you can upgrade the 7.6.2 version released in 2020 to the 7.6.2 version released in 2023. Same version upgrade is to upgrade the kernel patch of a cluster to fix problems or optimize performance.
- Cross-version upgrade: Upgrade an earlier version to a later version. It aims to enhance functions or incorporate versions.
- Cross-engine upgrade (being built): Upgrade the Elasticsearch version to the OpenSearch version.

The target version varies according to the original version. The supported version upgrade capabilities are as follows:

**Table 1-1** Version upgrade for Elasticsearch clusters

Source Version	Target Version
5.5.1	5.5.1 (latest)
6.2.3	6.2.3 (latest), 6.5.4, 6.8.23
6.5.4	6.5.4 (latest), 6.8.23
6.8.23	7.6.2, 7.10.2
7.1.1	7.1.1 (latest), 7.6.2, 7.10.2
7.6.2	7.6.2 (latest), 7.10.2
7.9.3	7.9.3 (latest), 7.10.2
7.10.2	7.10.2 (latest)
<p>Note:</p> <ul style="list-style-type: none"> <li>7.6.2 and 7.10.2 are mainstream versions. You are advised to upgrade your clusters to these two versions. The supported target versions are displayed in the drop-down list of <b>Target Image</b>.</li> <li>Clusters of version 5.X cannot be upgraded. Clusters of versions 6.2.3 and 6.5.4 can be upgraded to 6.8.23 and then to 7.X.X.</li> </ul>	

## Version Constraints

- After a cluster is upgraded, it cannot be rolled back to an earlier version.
- Once started, an upgrade task cannot be stopped until it succeeds or fails.

## Version Release Cycle/Version Lifecycle

**Table 1-2** Common terms about version lifecycle

Term	Definition
End of marketing (EOM)	The deployment of a cloud service version is stopped and the cloud service version is no longer deployed on the live network.
End of Full Support (EOFS)	The fixing of common software bugs in a specified cloud service version stops. The support covers only the fixing of mission-critical issues and security issues and the necessary upgrades.
End of Service (EOS)	The cloud service version is no longer used. The live network version needs to be upgraded to the latest cloud service version.

For a newly released CSS version, the EOM date is four years later, the EOFS date is one year after EOM, and the EOS date is half a year after EOFS.

**Table 1-3** Lifecycle of CSS cluster versions

Engine Type	Version	Status	Release Time	EOM Date	EOFS Date	EOS Date
Elasticsearch	5.5.1	EOS	2017.09.30	2021.09.30	2022.09.30	2023.03.30
	6.2.3	EOS	2018.06.30	2022.06.30	2023.06.30	2023.12.30
	6.5.4	EOFS	2019.03.30	2023.03.30	2024.03.30	2024.09.30
	6.8.23 (Intermediate version of feature upgrade; Cannot be purchased separately)	NA	NA	NA	NA	NA
	7.1.1	Released	2019.09.30	2023.09.30	2024.09.30	2025.03.30
	7.6.2	Released	2020.06.30	2024.06.30	2025.06.30	2025.12.30
	7.9.3	Released	2020.12.30	2024.12.30	2025.12.30	2026.06.30
	7.10.2	Released	2022.03.30	2026.03.30	2027.03.30	2027.09.30
OpenSearch	1.3.6	Released	2023.06.30	2027.06.30	2028.06.30	2028.12.30
	2.11.0	Released	2023.12.30	2027.12.30	2028.12.30	2029.06.30
Logstash	5.6.16	Released	2020.12.30	2024.12.30	2025.12.30	2026.06.30
	7.10.0	Released	2020.12.30	2024.12.30	2025.12.30	2026.06.30

 **NOTE**

The versions listed in the table are major CSS versions. The lifecycle and EOX dates of other whitelisted versions are the same as those of major CSS versions.

## Recommended Action After Version EOX

- Version upgrade: The Elasticsearch engine versions can be upgraded. For details, see [Table 1-1](#).
- Cluster migration: Elasticsearch 5.5.1 does not support cross-version upgrade. You can perform cross-version upgrade through cluster migration. The Logstash engine cannot be directly upgraded. You are advised to save the configuration file **conf** in the original cluster as a user-defined template. After creating a cluster, select the saved **conf** template from the user-defined template of the new cluster to restore the cluster.

# 2 Kernel Release History

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This section describes the kernel version updates of CSS.

**Table 2-1** Logstash clusters of the version 7.10.0

Date	Feature
2023-06-01	CSS supported Logstash clusters. Logstash clusters allow users to modify Logstash configuration files in the configuration center and import data from multiple sources, such as Redis, Elasticsearch, and JDBC, to Elasticsearch clusters.