



Platform

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Upgrade Alma Linux to 8.10

Feature Summary and Revision History

Table 1: Summary Data

Applicable Product(s) or Functional Area	CPS
Applicable Platform(s)	Not Applicable
Feature Default	Enabled – Always-on
Related Changes in This Release	Not Applicable
Related Documentation	Not Applicable

Revision History

Revision Details	Release
First introduced.	25.1.0

Feature Description

In CPS 25.1.0 release, Alma Linux version 8.9 is replaced with Alma Linux 8.10 along with upgrading to the latest rpm packages and their dependencies.

With Alma Linux 8.10 the kernel version is modified to:

```
# rpm -qa | grep kernel-[0-9]
kernel-4.18.0-553.45.1.el8_10.x86_64
```

```
# cat /etc/redhat-release
AlmaLinux release 8.10 (Cerulean Leopard)

# uname -a
Linux localhost.localdomain 4.18.0-553.45.1.el8_10.x86_64 #1 SMP Wed Mar 19 09:44:46 EDT
2025 x86_64 x86_64 x86_64 GNU/Linux
```

Support for MongoDB 7.0 Version in vDRA

Feature Summary and Revision History

Table 2: Summary Data

Applicable Product(s) or Functional Area	vDRA
Applicable Platform(s)	Not Applicable
Default Setting	Enabled – Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	Not Applicable

Table 3: Revision History

Revision Details	Release
First introduced	25.1.0

Feature Description

This release provides support for MongoDB version 7.0

Upgrade, Migrate, and Backward Compatibility Considerations

- **Supported DRA Releases for Upgrading to 7.0:** You can upgrade vDRA 24.2.0 (mongoDB version,6.0) to vDRA 25.1.0 (mongoDB version, 7.0).
- **Un Supported DRA Releases for Upgrading to 7.0:** Any DRA version prior to DRA 24.2(mongo 6.0) like DRA 24.1 (mongo 5.0), DRA 23.1/23.2(mongo 4.4), 22.2 (mongo 4.2) and previous versions of DRA doesn't support direct upgrade to DRA 25.1 (mongo version 7.0)

Refer the [link](#) for upgrading the replica set to 6.0.



Note Upgrading to DRA 25.1 is supported only from DRA 24.2.

Mongo Java Driver: Current DRA Version 25.1.0 supports mongo java driver 3.12.9.

Prerequisite for upgrading to 25.1.0 from 24.2.0

The following are the common prerequisites for both upgrade and downgrade:

- Run the following CLI before upgrade:

```
#database genericfcvcheck 6.0
```



Note Make sure to run the above CLI before upgrade and / or downgrade on all sites.

- Specify any one of the CLI options:
 - **Set**: This option checks and sets FCV only on primary.



Note We recommend using the **Set** option first and then **Check** to make sure that FCV is replicated on primary members. Upgrade/downgrade should not be triggered if any error is found in the above CLI or FCV is not replicated on secondary members. Make sure to resolve the CLI error, rerun the CLI, and then only proceed for upgrade or downgrade.

- **Check**: This option only checks FCV on all members (primary, secondary, and arbiter).

- Run the following CLI before upgrade:

```
#database dwccheck
```



Note CLI automatically takes care of the defaultWriteConcern version on all databases.

- Specify any one of the CLI options:
 - **Set**: This option checks and sets dwc on primary members.



Note We recommend using the **Set** option first and then **Check** to make sure that DWC is replicated on primary members. Upgrade/downgrade should not be triggered if any error is found in the above CLI or DWC is not replicated on secondary members. Make sure to resolve the CLI error, rerun the CLI, and then only proceed for upgrade or downgrade.

- **Check**: This option only checks dwc on all members.
- **(set/check) << set**
 - **Set**: This option checks and sets defaultWriteConcern.
 - **Check**: This option only checks defaultWriteConcern on all members(primary/secondary).

Upgrade to 25.1..0

1. Run the prerequisite steps.
2. Follow the standard documented procedure for upgrade.

Downgrade from 25.1.0

1. Run the steps mentioned in the prerequisite section.
2. Follow the standard documented procedure for downgrade.

Upgrade MongoDB Version 7.0 in PCRF

Feature Summary and Revision History

Table 4: Summary Data

Applicable Product(s) or Functional Area	CPS
Applicable Platform(s)	Not Applicable
Default Setting	Enabled – Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	Not Applicable

Table 5: Revision History

Revision Details	Release
First introduced	25.1.0.

Feature Description

This release provides support for MongoDB version 7.0.

Following are the supported and unsupported CPS releases:

- **Supported CPS Releases for upgrading to 7.0:**

You can upgrade CPS 24.2.0 (using mongoDB version 6.0.14) to CPS 25.1.0 (using mongoDB version 7.0.14). Upgrade to MongoDB 7.0 is supported only from MongoDB 6.0.

For example, if you are running a 5.0 series (CPS 24.1.0), you must first upgrade to MongoDB 6.0 (CPS 24.2.0) before you can upgrade to MongoDB 7.0 (CPS 25.1.0).



Important Upgrading to CPS 25.1.0 is supported only from CPS 24.2.0.

• **Un Supported CPS Releases for upgrading to 7.0:**

Any CPS versions prior to CPS 24.2.0 (using MongoDB version 6.0.14) such as CPS 24.1.0 (using MongoDB version 5.0.20), 23.1.0 or 23.2.0 (using MongoDB version 4.4.18), CPS 22.2.0 (using MongoDB version 4.2.20), or CPS 22.1.1 (using MongoDB version 4.0.27), and previous versions of CPS does not support direct upgrade to CPS 25.1.0 (using MongoDB version 7.0.14).

To upgrade the Replica set to 7.0, go to <https://www.mongodb.com/docs/manual/release-notes/7.0-upgrade-replica-set/>

The compatible Java driver for 7.0 is 3.12.9.

Support for VMware OVF Tool 4.6.3

Feature Summary and Revision History

Table 6: Summary Data

Applicable Product(s) or Functional Area	CPS
Applicable Platform(s)	Not Applicable
Default Setting	Enabled – Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	<ul style="list-style-type: none"> • <i>CPS Installation Guide for VMware</i> • <i>CPS Migration and Upgrade Guide</i>

Table 7: Revision History

Revision Details	Release
First introduced Note This feature has not been validated for all customer deployment scenarios. Please contact your Sales Account team for support.	25.1.0

Feature Description

Previously, VMware OVF Tool 4.3.0 was used up to the CPS 24.2 release, but it was susceptible to several security vulnerabilities. These vulnerabilities have been addressed in the latest VMware OVFTool 4.6.3 version. For detailed instructions on installing VMware OVFTool 4.6.3, refer to the *CPS Installation Guide for VMware* and the *CPS Migration and Upgrade Guides*.

Support for VMware ESXi Hypervisor 8.0.3

Feature Summary and Revision History

Table 8: Summary Data

Applicable Product(s) or Functional Area	CPS
Applicable Platform(s)	Not Applicable
Default Setting	Enabled – Configuration Required
Related Changes in This Release	Not Applicable
Related Documentation	<ul style="list-style-type: none"> • <i>CPS Installation Guide for VMware</i> • <i>CPS Migration and Upgrade Guide</i>

Table 9: Revision History

Revision Details	Release
First introduced Note This feature has not been validated for all customer deployment scenarios. Please contact your Sales Account team for support.	25.1.0

Feature Description

This release provides support for VMware ESXi™ Hypervisor 8.0.3 version. For details about deploying CPS on ESXi 8.0.3, refer to the *CPS Installation Guide for VMware* and the *CPS Migration and Upgrade Guides*.