Release Notes for COS 3.18.2 Maintenance Release

First Published: February 9, 2018

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These release notes describes the caveats and other issues resolved or still open in this release. For a list of caveats that apply to COS Release 3.18.2, see Caveats, page 3.

Contents

The following information is in the release notes:

Introduction

Cisco Cloud Object Storage (COS) provides distributed, resilient, high-performance storage and retrieval of binary large object (blob) data. Object storage is distributed across a cluster of hardware systems, or nodes. The storage cluster is resilient against hard drive failure within a node and against node failure within a cluster. Nodes can be added to or removed from the cluster to adjust cluster capacity as needed.

COS has two primary interfaces for content management:

- The OpenStack Swift API, with enhancements to improve quality of service when accessing both large and small media objects
- The Fanout API for efficient storage of unique copies for fair-use compliance

As a managed service of the Cisco Virtualized Video Processing Controller (V2PC), COS is managed through the V2PC graphical web user interface (GUI), which uses REST APIs to simplify COS setup and management. COS also includes a command-line interface (CLI) for management of remote or programmatic content. In addition, COS provides authentication and authorization services using the OpenStack Swauth API.

Through its various management interfaces, COS provides access to large and small media objects, maintains high quality of service, supports cluster management, and coordinates the replication of data across sites to improve resiliency and optimize the physical location of stored data.

New Features and Enhancements

There are no new features in this release.

Related Software Products

COS 3.18.2 is a member of the Cisco Virtualized Video Processing (V2P) product suite. As a managed service of V2P, COS and its content are managed through the V2PC GUI. Under V2PC orchestration, COS works with Cisco and third-party applications to provide complete media processing solutions. See the following documents for additional information:

- *Cisco Virtualized Video Processing Controller Deployment Guide*
- *Cisco Virtualized Video Processing Controller User Guide*
- *Cisco Cloud Object Storage Release 3.18.1 User Guide*
- *COS Rolling Update Service User Guide*

Required Software

This COS release is strictly a maintenance release. With that, there are no new V2PC or CMC RPM images for the 3.18.2 release. The images and RPMs are the same as the previous 3.18.1 release.

2

Caveats

Caveats describe unexpected behavior in COS software releases. Severity 1 caveats are the most serious caveats; severity 2 caveats are less serious. Severity 3 caveats are moderate caveats, and only selected severity 3 caveats are included in the caveats document.

Caveat numbers and brief descriptions for Cisco COS Release 3.18.2 releases are listed in this section.

Open Caveats

Open Caveats for Cisco COS Release 3.18.2

Table 1 lists the open issues in the COS 3.18.2 release.

Bug details are displayed in the Bug Search.

Table 1   Open Caveats in COS 3.18.2 Release

Bug ID	Description
CSCvh00949	Create CMC ACME Project.
CSCvh07762	Manafesto files in CentOS6 and CentOS7 source trees need to be updated.
CSCvh11464	Trans-coding to different DEC pattern fails when segment size is smaller than 1K.
CSCvh13846	3.18.1: After 1 CMC node is down, Rio request failure lasted for 10 min.
CSCvh16782	CMC: salt-minion is not running and disabled for CMC full iso install.
CSCvg69325	cos_3.17.0-b36: Swift get new token, old token still works.

Resolved Caveats

Resolved Caveats for Cisco COS Release 3.18.2

Table 2 lists the fixed issues in the COS 3.18.2 release.

Bug details are displayed in the Bug Search.

Table 2   Resolved Caveats in COS 3.18.2 Release

Bug ID	Description
CSCvd92289	cosd.log not created with PXE fresh install, although cosd shows as running.
CSCvg32198	Goliath: interface eth4, on c3260-d6a, cannot be reached internally by all other COS nodes.
CSCvg80516	CMC: PSB ICMPv4 suite fails.
CSCvg99209	[3.17.0][b50] Mirror Recovery causes long duration read response times.
CSCvg99488	[3.17.0][b50] Mirror Recovery causes a read error.
CSCvh01170	Goliath: Adapter interface being auto reset due to holdoffs under heavy internal repairing traffic.

Table 2   ***Resolved Caveats in COS 3.18.2 Release (continued)***

Bug ID	Description
CSCvh01189	Goliath: Read/Delete performance degrades a lot when a billion objects are in Cassandra.
CSCvh01672	[CMC DSE] Remove dead cassandra node from V2P GUI.
CSCvh02075	3.17.0-b54: Performance downgraded when 1 COS node is down and repair is ongoing.
CSCvh07590	S3260: Observed timeouts on Seagate ST6000NM0014 6TB drives with FW K0E5.
CSCvh11958	[CMC DSC to DSE Upgrade] Some node show as DN, after DSE upgrade.
CSCvh13846	[DSC to DSE Upgrade] HTTP error shows after upgrade all CMC nodes to DSE
CSCvh19023	Goliath: 3.14.2-b19 KDB at __blk_free_tags+0x8c while testbed had no client traffic.
CSCvh19298	[DSC to DSE Upgrade] HTTP error displays after upgrade of all CMC nodes to DSE.
CSCvh22442	[3.18.1][b3] CPU is very busy, even without evaluator operating.
CSCvh29666	Some nodes are DN when CMC node is going down.
CSCvh63942 / CSCvg10689	Local Mirror Evaluator stalls during continuous ingest. CSCvh63942 is a duplicate of CSCvg10689.
CSCvh68731	cserver has a limit of 2048 for total IP destinations.
CSCvh72211	COS driver cdd_sys is initializing a work structure while it is queued to run.
CSCvh74153	ENIC receive queue not advancing when overrun with receive packets.
CSCvh76889	Need to adjust network gc_thresh values for large-scale deployments.
CSCvh78831	COS Telemetry: Successful RIO WRITE OBJECT (redirected) in http.log should Not be forwarded.
CSCvh84676	[3.18.2][b12] evaluator is stuck when COS node is down or up.
CSCvh93246	Repair causes the evaluators to get stuck.
CSCvh93442	Adjust evaluator throttle to be more aggressive.
CSCvh93549	cserver receive thread overloaded by excessive calls to update best partners.
CSCvh95381	Memory corruption during removal of nodes.

Accessing Bug Search Tool

This section explains how to use the Bug Search tool to search for a specific bug or to search for all bugs in a release.

Step 1 Go to https://tools.cisco.com/bugsearch/.

Step 2 At the Log In screen, enter your registered Cisco.com username and password; then, click **Log In**. The Bug Search page opens.

> ✎
>
> **Note**   If you do not have a Cisco.com username and password, you can register for them at http://tools.cisco.com/RPF/register/register.do.

Step 3 To search for a specific bug, enter the bug ID in the Search For field, and press **Enter**.

Step 4 To search for bugs in the current release, specify the following criteria:

- Select the **Model/SW Family** Product Category drop-down list box, then enter **Cisco Videoscape Distribution Suite for Television** or select the name from the **Select from list** option.

- Select **Cisco Videoscape Distribution Suite for Television** from the list that displays.

- The **Cloud Object Store** type displays in the Software Type drop-down list box.

- Releases: 3.18.2.

- Advanced Filter Options—Define custom criteria for an advanced search by selecting an appropriate value from the drop-down lists by choosing either one Filter or multiple filters from the available categories. After each selection, the results page will automatically load below the filters pane. If you select multiple filters, it behaves like an AND condition.

  - Modified Date—Select one of these options to filter bugs: **Last Week**, **Last 30 days**, **Last 6 months**, **Last year**, or **All**.

  - Status—Select **Fixed**, **Open**, **Other**, or **Terminated**.

    Select **Fixed** to view fixed bugs. To filter fixed bugs, uncheck the Fixed check box and select the appropriate suboption (Resolved or Verified) that appears below the Fixed check box.

    Select **Open** to view all open bugs. To filter the open bugs, uncheck the Open check box and select the appropriate suboptions that appear below the Open check box.

    Select **Other** to view any bugs that are duplicates of another bug.

    Select **Terminated** to view terminated bugs. To filter terminated bugs, uncheck the Terminated check box and select the appropriate suboption (Closed, Junked, or Unreproducible) that appears below the Terminated check box. Select multiple options as required.

  - Severity—Select the severity level:

    1: Catastrophic.

    2: Severe

    3: Moderate

    4: Minor

    5: Cosmetic

    6: Enhancement

> – Rating—Select the bug's quality rating: **5 Stars** (excellent), **4 or more Stars** (good), **3 or more Stars** (medium), **2 or more Stars** (moderate), **1 or more Stars** (poor), or **No Stars**.
>
> – Support Cases—Select whether the bug **Has Support Cases** or **No Support Cases**.
>
> – Bug Type—Select whether the bug is **Employee Visible & Customer Visible** or **Customer Visible Only**.

Step 5 The Bug Toolkit displays the list of bugs based on the specified search criteria.

Step 6 You can save or email the current search by clicking their respective option.

If you have any problems using the Bug Search tool, log into the Technical Support website at http://www.cisco.com/cisco/web/support/index.html or contact the Cisco Technical Assistance Center (TAC).

Related Documentation

Refer to the following documents for additional information about COS 3.18.2:

- *Cisco Cloud Object Storage Release 3.18.1 User Guide*
- *Cisco Cloud Object Storage Release 3.16.1 API Guide*
- *Cisco Cloud Object Storage Release 3.16.1 Troubleshooting Guide*
- *Open Source Used in COS 3.18.2*
- *Cisco COS Rolling Update Service User Guide*

The entire COS software documentation suite is available on Cisco.com at:

http://www.cisco.com/c/en/us/support/video/cloud-object-storage/tsd-products-support-series-home.html

Obtain Documentation and Submit a Service Request

For information on obtaining documentation, using the Cisco Bug Search Tool (BST), submitting a service request, and gathering additional information, see *What's New in Cisco Product Documentation*.

To receive new and revised Cisco technical content directly to your desktop, you can subscribe to the What's New in Cisco Product Documentation RSS feed. The RSS feeds are a free service.