



## **Release notes**

### **BlueXP edge caching**

NetApp  
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# Release notes

## What's new with BlueXP edge caching

Learn what's new in BlueXP edge caching.

### 1 August 2023 (version 2.3)

This release fixes the issues described in the [Fixed Issues](#). Updated software packages are available at [this page](#).

### 5 April 2023 (version 2.2)

This release provides the new features listed below. It also fixes the issues described in the [Fixed Issues](#).

#### **Support for Global File Cache on Cloud Volumes ONTAP systems deployed in Google Cloud**

A new "Edge Cache" license is available when deploying a Cloud Volumes ONTAP system in Google Cloud. You are entitled to deploy one Global File Cache Edge system for each 3 TiB of purchased capacity on the Cloud Volumes ONTAP system.

[Learn more about the Edge Cache license package.](#)

#### **The setup wizard and GFC Configuration UI are enhanced to perform NetApp license registration**

#### **Enhanced Optimus PSM to configure Edge Sync functionality**

### 24 October 2022 (version 2.1)

This release provides the new features listed below. It also fixes the issues described in the [Fixed Issues](#).

#### **Global File Cache is now available with any number of licenses**

The previous minimum requirement of 10 licenses, or 30 TB of storage, has been removed. One Global File Cache license will be issued for every 3 TB of storage.

#### **Support has been added for using an offline License Management Server**

An offline, or dark site, License Management Server (LMS) is most useful when the LMS does not have an internet connection for license validation with license sources. An internet connection and connection to license source is required during initial configuration. Once configured, the LMS instance can become dark. All Edges/Cores should have a connection with LMS for continuous validation of licenses.

#### **Edge instances can support additional concurrent users**

A single Global File Cache Edge instance can serve up to 500 users per dedicated physical Edge instance, and up to 300 users for dedicated virtual deployments. The maximum number of users used to be 400 and 200, respectively.

#### **Enhanced Optimus PSM to configure Cloud Licensing**

**Enhanced the Edge Sync feature in Optimus UI (Edge Configuration) to show all connected clients**

## **25 July 2022 (version 2.0)**

This release provides the new features listed below. It also fixes the issues described in the [Fixed Issues](#).

### **New capacity-based licensing model for Global File Cache through the Azure Marketplace**

A new "Edge Cache" license has the same capabilities as the "CVO Professional" license, but it also includes support for Global File Cache. You'll see this option when deploying a new Cloud Volumes ONTAP system in Azure. You are entitled to deploy one Global File Cache Edge system for each 3 TiB of provisioned capacity on the Cloud Volumes ONTAP system. A minimum of 30 TiB should be provisioned. The GFC License Manager Service has been enhanced to provide capacity-based licensing.

[Learn more about the Edge Cache license package.](#)

### **Global File Cache is now integrated with Cloud Insights**

NetApp Cloud Insights (CI) gives complete visibility into your infrastructure and applications. Global File Cache is now integrated with CI to provide complete visibility of all edges and cores; monitoring processes running on the instances. Various Global File Cache metrics are pushed to CI to provide a complete overview on the CI dashboard. See Chapter 11 in the [NetApp Global File Cache User Guide](#)

[Learn more about Cloud Insights.](#)

### **License Management Server has been enhanced to operate in very restrictive environments**

During license configuration, the License Management Server (LMS) should have access to the internet to collect the licensing details from NetApp/Zuora. Once the configuration is successful, the LMS can continue to work in offline mode and provide licensing capabilities despite being in restrictive environments.

**The Edge Sync UI in Optimus has been enhanced to show the list of connected clients on a coordinator Edge**

## **Fixed issues in BlueXP edge caching**

See what issues have been fixed in BlueXP edge caching.

## **1 August 2023 (version 2.3)**

- The following Optimus Configuration UI fixes have been made:
  - Shows meaningful information for errors instead of exception strings.
  - Displays the license expiry date correctly instead of any default values.
  - Displays the username/password fields correctly when SSL is enabled in the UI.
  - Does not become unresponsive when an unreachable GFC Core is configured on the Optimus UI Edge configuration tab.
  - Enables you to select multiple cache/edge names from the Edge dropdown List.
- The License Summary information is displayed correctly while viewing expired and non-expired licenses.
- Fixed the TappN service to restart only when the configuration is updated successfully.

- Added a refresh button in the first-time wizard to show the Edge count.
- SSL information is now shown in the first-time wizard summary page.
- Added infrastructure in Tum to allow configuring minidump timeouts and to perform a minidump correctly.
- Optimus and the first-time wizard will show the appropriate license count and will show an exception when the license count becomes zero.
- Optimus PSM now displays an appropriate error message when the Edge server name entered is empty.
- Fixed an issue where pre-population jobs are not correctly applied to multiple cache names in Optimus PSM.
- The License Manager configuration is enhanced to display hard errors instead of soft errors.
- The Zoura registration UI will show an error if it's already configured.
- Optimus UI and Optimus PSM now show CPU and memory requirements of 8 CPU and 32 GB RAM respectively.

## **27 March 2023 (version 2.2)**

- Fixed an issue of converting the time format of running a pre-population job for 'last modification time' option.
- Fixed an issue related to parsing of file transfer and passing it on to Cloud Insights service.
- Edge Sync of files across all subscribers is reconnected automatically when there is a disconnect with the publisher.
- Fixed pre-population job execution on an Edge if its connected to multiple Cores.
- Optimus UI now shows the connected Edge list on a publisher that participates in Edge Sync functionality.

## **24 October 2022 (version 2.1)**

- An additional validation of the GFC subscription number is performed during licensing configuration.
- GFC added support to extend the license for a specific duration for Zuora-based licenses. Contact GFC support.
- Added a 15 sec delay before writing a minidump after a crash. Also added a timer to monitor the minidump and forcibly exit the process if the dump does not complete in 60 secs. These minor enhancements will help for better analysis.
- Removed individual file transfer information propagation to Cloud Insights, but added File transfer summary information propagation to Cloud Insights. This reduces enormous load on CI.
- Fixed data and metadata ingestion into Cloud Insights. This enables for data visualization CI.
- Fixed the Optimus Configuration UI to not hang while clicking the "Registering instance to CI" button.
- Fixed an issue where the Tservice monitor is left manual during initial configuration.
- Fixed minor bugs in the GFC CI Agent Client service.

## **25 July 2022 (version 2.0)**

- Optimus is enhanced by adding boundary limits to date/time parameters for pre-population job addition configuration.
- Optimus PSM now shows the correct CPU details in system pre-requisition details.
- Fixed an exception in the UI during Edge Sync configuration between entering coordinator details and

clicking the Refresh button.

- Enhanced the Optimus UI to enable/disable the Edge Sync feature on the edge.
- Fixed the date range issue in License Server Manager for Zuora License Aggregator.
- Fixed the Optimus PSM to show Lease Count information.
- Fixed License Management Server's logic on configuration updater during an upgrade.

## **23 June 2022 (version 1.3.1)**

- Upon upgrade, the correct version of Microsoft re-distributable is not installed correctly and as a result Tum does not start. The GFC installer has been fixed to install the correct version re-distributable.
- The GFC License Manager Service (LMS) now updates the configuration information, instead of overwriting it.
- The Configuration UI now binds to the correct System.net.http dll during the upgrade process.

## **19 May 2022 (version 1.3.0)**

- The Configuration UI page for Edge Sync functionality is updated.
- Fixed an issue when adding pre-population jobs for multiple Edges at the same time via PowerShell cmdlets.
- Fixed a display issue in LMS Web UI that displays the NetApp subscription.
- The LMS configuration PowerShell script now uses TLS 1.2.
- Fixed an issue in TappN (pre-population service) and enabled it to continue executing the job, despite transient disconnections or Tum restarts.
- The TappN pre-population service is updated to skip fetching files if free cache space falls below the lower threshold value.
- Fixed an issue in the License Manager Server Service (LMS) while writing a trace log.
- The Logging infrastructure for Tum is updated to be more scalable with high performance.

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