**Rubrik CDM
Release Notes
Version 8.1
755-0252-01 Rev A25
November 21, 2023**

Introduction

These release notes contain supplemental information about the General Availability release of Rubrik CDM version 8.1.

New features

Rubrik CDM version 8.1 has new features.

Feature	Description
Mandatory TOTP	Rubrik CDM 8.1 adds a notification banner to the Rubrik CDM web UI informing of a pending change that requires the use of a time-based one-time password (TOTP) multi-factor authentication (MFA) when upgrading beyond Rubrik CDM 8.1.
Archival Reader with Replication Coexistence	Rubrik CDM 8.1 supports coexistence of both replication and reader archival on Rubrik clusters. Contact Rubrik Support to use both these features simultaneously.
IBM COS Support	Rubrik CDM 8.1 supports bucket level immutability with IBM COS cloud storage as an additional level of security for data stored within those cloud buckets. When using immutable buckets on IBM COS cloud storage, Rubrik enforces checks to align retention duration with immutability lock period.
Support for AWS GIR Storage Class Archival with Immutability	Rubrik now supports archival to the Amazon S3 Glacier Instant Retrieval storage class. This new storage class delivers faster access and lower storage costs than S3 Standard-IA, while still offering the same low latency data retrieval times as S3 Standard and S3 Standard-IA storage classes.
Support for Envoy NG Dual NIC mode and Envoy CLI	Envoy Dual NIC (Bridge Mode) - For multi-tenant environments for which an organization network NAT firewall configuration is unavailable or undesirable, a second NIC may be added to Envoy and connected to a shared provider routing space. This second NIC will need to be able to reach the Rubrik cluster either through a directly connected (Layer 2) network or a routed (Layer 3) connection.
	Envoy CLI - Envoy provides a hardened CLI using a local 'admin' user to enable common configuration and troubleshooting tasks, without providing full root or bash shell access. The CLI is accessible either through the hypervisor console of the Envoy VM appliance, or the SSH for Envoy appliances that are already network connected.
Edge on KVM	Rubrik CDM 8.1 adds support for kernel-based virtual machines (KVM) as a platform for Edge.
Autofill of parameters	Rubrik now supports autofill of previous configuration in case of bootstrap failures so that the user does not need to fill in information from scratch.
Power status of virtual machines recovered using the Export option	Rubrik CDM 8.1 changes the default initial power state for vSphere virtual machines recovered using Export to Powered Off. You can change this setting to Powered On when you initiate the export. This initial state cannot be changed when exporting virtual machines through the Rubrik CDM web UI, but can be changed when exporting through Rubrik Security Cloud (RSC) or when using the Rubrik CDM API.
DB2 HA/DR support	Rubrik supports backup and recovery of Db2 databases configured in High Availability/Disaster Recovery mode.
Support for pausing to in-progress replication jobs	Data transfer is halted when paused, and remains in that state until transfer is resumed. This feature is highly beneficial in replicating large workloads.

Feature	Description
Bootstrap hardening	Rubrik has improved the overall bootstrap experience by introducing new features like additional prechecks, better error messaging, and self served retries for bootstrap failures.
Edge Deployment tool	Rubrik now supports Edge deployment with a tool for single and scale deployments. This tool, integrated with Rubrik Security Cloud (RSC), provides an easy-to-use Rubrik Edge deployment experience.
Intelligent Data Lock (IDL)	In certain cases, Rubrik retains data beyond expiration due to unexpected activity. If you believe data has been deleted due to suspicious activity, please contact Rubrik Support.

Release 8.1.3-p4 new features

Rubrik CDM version 8.1.3-p4 has new features.

Feature	Description
Updated firmware package for r6000 series Briks.	Rubrik CDM 8.1.3-p4 includes an updated firmware package that you should apply to address the Supermicro BMC firmware vulnerability CVE-2023-40284 on r6000 series Briks. You can update the firmware by running the Rubrik CLI command cluster update_firmware. The *Rubrik CDM CLI Guide* describes Rubrik CLI command usage.

Release 8.1.3 new features

Rubrik CDM version 8.1.3 has new features.

Feature	Description
Automatic Recoverability support for Cloud Cluster Elastic Storage (CCES)	Beginning in Rubrik CDM 8.1.3-p1, Cloud Cluster Elastic Storage (CCES) metadata, with immutability enabled, is now automatically uploaded to your CCES bucket. Technical notes provides more information.

Release 8.1.1 new features

Rubrik CDM version 8.1.1 has new features.

Feature	Description
Non-aligned deduplication for SAP HANA	Rubrik CDM 8.1.1 adds non-aligned deduplication support for SAP HANA workloads. For newly added workloads, non- aligned deduplication will be used by default. Replication of such workloads to clusters older than Rubrik CDM 8.1.1 is not supported.
Snapshot downloads from cascading archival location	You can now download a snapshot from a cascading archive. The *Rubrik CDM User Guide* provides further details.
Support for SQL Server 2022	Rubrik CDM now supports SQL Server 2022 for Rubrik CDM versions 8.1.1 and later.

Version 8.1.3-p5 fixed issues

Rubrik CDM version 8.1.3-p5 includes general security improvements and fixes to the following issues.

Ticket	Issue
CDM-407142	Primary NAS share protection cannot be removed from the UI.
CDM-406297	Not receiving email notification when a vCenter is disconnected.
CDM-405838	MDS sync between Rubrik Security Cloud (RSC and Rubrik CDM.
CDM-404536	No response when running resize_disk from admin / rkcli shell.
CDM-404511	Snapshot job remains in QUEUED state.
CDM-404219	Rolling upgrade not handling when a node is removed and the custom node name is re-used.
CDM-404105	Fileset verification job can cause unexpected backup job failures.
CDM-403944	Db2 full HADR primary database restore failures.
CDM-403865	When trying to delete a snapshot downloaded from archive, the whole snapshot would be deleted whereas only the local copy of the snapshot should be deleted.
CDM-403806	Stuck sync catalog job.
CDM-403448	Unable to add export permission require, resulting in restore job failing.
CDM-403241	Cluster-wide firmware upgrade failure with error message, 'ERROR! Specified hosts and/or --limit does not match any hosts'.
CDM-401335	Oracle files-only restore fails to copy over log files to remote host.
CDM-400825	Snapshots retained on local beyond the local retention configured in the SLA Domain.
CDM-399597	Ansible interpreter discovery displays superfluous error messages.
CDM-399183	Recoverable chain breaks with standby backups if a primary database instance is shut down.
CDM-396130	Exclusion rules not working in fileset.
CDM-391282	'Use no proxy' checkbox does not persist for Google archival locations.
CDM-331145	Database log backup job failure.

Version 8.1.3-p4 fixed issues

Rubrik CDM version 8.1.3-p4 includes general security improvements and fixes to the following issues.

Ticket	Issue
CDM-404179	RSC fails to connect Isilon system with a "username or password error."
CDM-403489	Getting FilesetSnapVerificationEpicFPMismatch error on server.
CDM-403382	SAP HANA backup user password containing } results in connection failure.
CDM-402842	When NAS shares are migrated from CDM to RSC, duplicate shares are listed with the same name.

Ticket	Issue
CDM-401880	Upgrade to Rubrik CDM 8.1.3-p3 is not successful.
CDM-401859	Unable to perform a backup on Db2. The error message appears: "This command cannot be submitted on a non-catalog node."
CDM-401200	Schema upgrade takes a very long time to complete.
CDM-401197	Rubrik Backup Service running on Oracle Solaris disconnects after upgrade from Rubrik CDM 7.0.2 to Rubrik CDM 8.1.3.
CDM-401128	Disk is missing post upgrade.
CDM-401069	SQL backups not replicating according to SLA Domain settings.
CDM-401066	Exporting a snapshot to a Standalone ESXi 8.0+ host displays a "not supported" message.
CDM-400762	Rubrik Backup Service agent is making superfluous requests to an AppFlows service.
CDM-398797	Performance slowdown due to excess LDAP calls.
CDM-371700	Snapshots are not expiring, resulting in failures for new backups of some objects.
CDM-370012	VMware backups are not getting scheduled.

Version 8.1.3-p3 fixed issues

Rubrik CDM version 8.1.3-p3 includes general security improvements and fixes to the following issues.

Ticket	Issue
CDM-400767	Files that encountered error during backup were not listed in job report.
CDM-400227	Log upload jobs are stuck for archived database.
CDM-399828	Backup job failed during end to end fingerprint validation.
CDM-399150	Database refresh is failing if the database is on a host with multiple dbs.
CDM-398475	Add node fails with error message: "This is not a Cloud Cluster node. Aborting"
CDM-397648	Snapshot download from archival location fails.
CDM-396869	Log deletion failure log messages appear in log backups.
CDM-392372	Bugfix for a Kronos CrDB's time-service) was attempted at a much higher level in CDM cluster-config service.
CDM-390503	A vSphere virtual machine, after export, causes the original virtual machine to lose its network connectivity for brief time.
CDM-387702	Unable to add Powerscale (Isilon) NAS host running OneFS 9.5.
CDM-385655	Apache Cassandra partition will stay small size for cluster going through dense migration.
CDM-369630	An extra snapshot was taken due to daylight savings time.
CDM-344133	Rubrik Security Cloud(Rubrik Security Cloud)banner in the Rubrik CDM UI contains malformed URL.

Version 8.1.3-p2 fixed issues

Rubrik CDM version 8.1.3-p2 includes general security improvements and fixes to the following issues.

Ticket	Issue
CDM-398106	Proxy is configured but not enforced in the OAauth key exchange of online registration.
CDM-397817	Db2 delete instance job interrupted by Db2 instance refresh job.
CDM-397457	Disks are marked as missing after upgrading to Rubrik CDM 8.1.3-p1.
CDM-396887	Unexpected fileset snapshot verification alert is generated due to premature file closures.
CDM-396860	Disks replaced are not identified correctly.
CDM-396772	Cassandra snapshot partition is 100% full.
CDM-396683	Backup job failed during RU
CDM-395791	Envoy is offline and cannot be accessed, failing with "OSError: [Errno 28] No space left on device" error.
CDM-395758	Network interfaces configuration change for 10G, full duplex, autonegotiation off are not being applied correctly when using "network ethtool".
CDM-395328	Update target cluster will fail during source cluster refresh, when target cluster has higher maxSeqnum than source, and has a lower cluster seq number.
CDM-395017	Add node fails on password-based encrypted RVC.
CDM-394861	Clone volumes and volume snapshots used for backups are left over in the ONTAP system after completion of backups.
CDM-394354	Failures in MSSQL_LOG_REPLICATION and MSSQL_LOG_UPLOAD due to missing or incomplete data.fingerprint file.
CDM-394325	Archival snapshots fail to download.
CDM-394141	QStar location mounts not recovering automatically after getting stale.
CDM-393512	Relic NAS-DA snapshots are unable to be tiered to Glacier Deep Archive.
CDM-393037	URL in banner about upgrading to Rubrik CDM 9.0 is not operational.
CDM-392820	Admin CLI support log_view failing to operate properly after upgrading to Rubrik CDM 8.1.2.
CDM-391965	Archival recovered workflows are not visible in the Rubrik CDM UI.
CDM-391865	The used archival capacity is increasing sharply after upgrading to Rubrik CDM 8.1.2-p1.
CDM-391859	Email notifications are failing to send.
CDM-391765	Multiple VCD backups are running for long periods of time then failing.
CDM-391448	Database entries are duplicated when adding all hosts of a Data Access Group (DAG) in the same API.
CDM-391011	Disk remains in pre-removal state, also experiencing space issue.
CDM-390954	Unable to export vApp snapshot because the vApp virtual machine failed to mount.

Ticket	Issue
CDM-390642	Export to host option is missing for replicated snapshots.
CDM-390514	Cascading archival fails for Exchange workflow.
CDM-381953	Attempt to create S3 Immutable location with Endpoint URL configured fails with "The specified bucket does not exist", or "The specified bucket is not valid. (Service: Amazon S3; Status Code: 400; Error Code: InvalidBucketName; Request ID: <some-id-here>; S3 Extended Request ID: <longer-id-here>; Proxy: null)" errors.
CDM-380745	Request to register Rubrik cluster with SDFC so that it will appear in the Support Portal.
CDM-371531	Failure to associate cluster uuid to its node.
CDM-369654	Unable to see any filtered object name after filtering on an Oracle Database object.

Version 8.1.3-p1 fixed issues

Rubrik CDM version 8.1.3-p1 includes general security improvements and fixes to the following issues.

Ticket	Issue
CDM-396305, CDM-385876	Rubrik CDM clusters are unable to sync with Rubrik Security Cloud (RSC) due to the installation of a TLS intercepting proxy.
CDM-394613	Permissions on /var/log/rubrik/script_log/<SUB_DIRECTORY> revert to 777 during a backup.
CDM-394094	Customers see `EdgeCorruptionChecker` policy failure notifications.
CDM-394067	Upgrade precheck failure due to data disk size check.
CDM-393826	The Oracle recoverable chain is broken for a Data Guard primary RAC database when an instance is shut down.
CDM-393350	Rubrik Backup Service (RBS) agent crashes after service restart with failure message SIGSEGV (BackupAgentUtils::GetUniqBlacklistPaths()).
CDM-393315	Upload job stuck in FINISHING state.
CDM-393019	Installation and upgrade failures for Rubrik CDM versions 8.1.2 and later.
CDM-392822	AIX host is generating excessive logs.
CDM-392716	Intermittent refresh failures.
CDM-392582	Live Mounts may fail on MSSQL after upgrade to Rubrik CDM 8.1.2.
CDM-391992	Rollforward with end of logs not working until noretrieve is specified.
CDM-391126	User missing notifications of a specific type.
CDM-391005	Expiry job failures.
CDM-389066	Bootstrap failures triggered with install from target Rubrik CDM versions 8.0.3 and later. Error message is "Bootstrap failed - Error setting up the Rubrik cluster : requirement failed: Password Hash and Salt required to create Admin User".
CDM-388753	Snapshot information was not displayed due to an API failure.

Ticket	Issue
CDM-386854	Discovery fails on access zone shares when multiple Auth providers are present in the same access zone.
CDM-386130	Latency in Exchange mount share input/output.
CDM-384771	VMware backup impacts the performance of a virtual machine.
CDM-381953	Attempt to create S3 Immutable location with Endpoint URL configured fails with error message: `The specified bucket does not exist` or `The specified bucket is not valid. (Service: Amazon S3; Status Code: 400; Error Code: InvalidBucketName; Request ID: <some-id> S3 Extended Request ID: (longer-id>; Proxy: null)`.
CDM-371541	After upgrading to Rubrik CDM version 7.0.4, users found some queries become slow, including the endpoints of global search, hierarchy object search, virtual machine listing, etc. The issue only happens to users who assigned specific custom roles. This issue can affect both local and LDAP users.
CDM-370938	Bypass proxy not working for GCP archival location
CDM-369661	Node sensor data disappears, causing hw_health errors. The node can also lose OOB key and FRU data.
CDM-363666	JFL Health-Monitor policy fails due to an internal service being non-responsive causing a node to be marked as BAD.
CDM-336168	A fix to resolve inherited SLA Domain assignment did not resolve the issue of virtual machines being granted a direct assigned SLA Domain.
CDM-303015	Continuous Data Protection (CDP) causes a virtual machine to crash.

Version 8.1.3 fixed issues

Rubrik CDM version 8.1.3 includes general security improvements and fixes to the following issues.

Ticket	Issue
CDM-396305, CDM-385876	When TLS interception is enabled for Rubrik CDM outgoing connections, some upload jobs from the Rubrik CDM will fail.
CDM-388974	Encounter conversion failure on Windows Server virtual machine when trying to delete Windows registry key `Software\Policies\Microsoft\Windows\Powershell`.
CDM-386884	PARALLELIZED_REFRESH_ARCHIVAL_DATA_LOCATION job fails to refresh metadata for a few workload objects.
CDM-386451	Snapshot uploads might fail with an internal error for objects in an SLA Domain that have instant tiering enabled.
CDM-383747	Enable Archive Consolidation is disabled while editing the archival location.
CDM-382284	The parallel upload job remains in the canceling state.
CDM-371511	Warning messages appear stating that archival locations are in a paused state and not enabled in the SLA Domain.
CDM-370589	Upload jobs to an Azure archival location may fail due to intermittent read failures caused by partial reads when the network connectivity is not stable.
CDM-370079	Download jobs are frozen after downloading the patch files.

Ticket	Issue
CDM-368279	Attempts to download snapshots by a regular user fails.
CDM-381906	Not able to mount SMB shares intermittently.
CDM-383856	A non-admin user cannot login to the Rubrik CDM.
CDM-360182	Customer reports potential secure connection errors with the following log message - Digest-MD5 not supported by LDAP server. Fallback to insecure SimpleBindRequest.
CDM-368707	A dip is occurring in the local snapshot storage graph at the current time.
CDM-384434	Snapshot uploads might get postponed.
CDM-389809	VMware Live Mount fails after upgrading from Rubrik CDM 8.0.2 to Rubrik CDM 8.0.3-p6.
CDM-382445	Virtual machines belonging to different vCenter/replication clusters are listed as part of advance tag creation.
CDM-328166	VMware snapshot holding time for array integrated backups take longer than expected.
CDM-308606	Replication does not work after a virtual machine failover.
CDM-386110	Intermittent backup failures.
CDM-361999	Refresh job failure.
CDM-383721	Live mounts are taking too long to complete.
CDM-365959	T-log chain is being broken despite successful log backup jobs.
CDM-385064	Starting backups failing because of timeout.
CDM-384588	SAP HANA backups are failing with error "Exception: No more data to read".
CDM-380852	Rubrik Backup Service crashes repeatedly on SAP HANA secondary host.
CDM-379891	Out of memory (OOM) crashes on nodes.
CDM-349088	CREATE_SAP_HANA_FULL_SNAPSHOT jobs regularly failing on the ECS Tenant database.
CDM-390941	Missing incremental backups and the log recovery chain being broken due to lack of database backup making it difficult for recovery.
CDM-384130	JFL restart in Oracle log snapshot job and large number of entries in v$archived_log view.
CDM-382802	Oracle libinject log files are growing rapidly and filling up the /var partition on the Oracle host.
CDM-380939	Oracle log snapshots which were uploaded to the archival location are not able to be read at recovery time as a subset of the archived logs which were downloaded from Azure could not be copied to the Oracle host without an I/O error.
CDM-370605	The request endpoint to pull job status for an Oracle job will return the job status only for a day, and then the job status cannot be found once the job is archived on the underlying job tables.
CDM-369475	Large number/size of audit files were generated after upgrading to Rubrik CDM 8.0.3.
CDM-368535	The database backup job fails with NumFilesMismatch error.
CDM-367600	Discovery failing for all databases after a restart.

Ticket	Issue
CDM-349903	If the on-demand database backup is taken with some SLA Domain that has replication enabled, and the effective SLA Domain of that database is unprotected, the database snapshot will be replicated, but the log snapshot will not be replicated, making the on-demand database snapshot no use on the replication/DR site.
CDM-348563	JFL is crashing on Rubrik nodes causing backup jobs to fail repeatedly.
CDM-341640	On-demand Oracle database snapshots taken with a custom SLA Domain are not recoverable from reader location.
CDM-339693	SPFILE creation fails because the corresponding directory is not present in the target on ASM.
CDM-308261	Host addition being completed even when databases aren't discovered.
CDM-307394	Downloading a database snapshot of a RAC database from archive to a reader indicates a failed download even when successful.
CDM-304724	The database backup job fails with NumFilesMismatch error.
CDM-389713	Not all Isilon interfaces are discovered.
CDM-388561	Replicated NAS Systems are not readonly.
CDM-388097	MHC refresh crashes when NAS shares without valid data interfaces are protected.
CDM-387523	When upgrading to Rubrik CDM 8.1.1-p1, hosts are also auto-upgraded and same files are showing in two locations.
CDM-384939	You are required to refresh manually to check database updates status.
CDM-384294	File recovery from clustered fileset to host is failing
CDM-382561	Could not migrate archived filesets.
CDM-371642	gethostname system call was not thread safe, Using thread safe API i.e gethostbyname_r
CDM-371541	After upgrading to Rubrik CDM version 7.0.4, users found some queries become slow, including the endpoints of global search, hierarchy object search, virtual machine listing, etc. The issue only happens to users who are assigned specific custom roles. This issue can affect both local and LDAP users.
CDM-369768	NAS Fileset jobs may fail or run for a long time due to internal backup agent restart.
CDM-365544	Agent server crashes randomly.
CDM-363787	Unable to auto add shares.
CDM-362899	Unselected NAS shares are available as a restore target.
CDM-360179	After upgrading to Rubrik CDM 8.0.3-22687, an alert for "Policy 'NfsKernelServer' failures are at the critical level." appears.
CDM-348709	NAS SMB Fileset on Nutanix Distributed Storage Fabric can get get stuck due to loop in DFS referrals.
CDM-364749	Upload job of Windows Volume group fails due to an incorrect logical size of a volume.
CDM-389460	Upgrade from Rubrik CDM 8.0.3-p5 to Rubrik CDM 8.1.2 causes nodes to go missing.
CDM-387730	The 'replace_node' is failing with exception.

Ticket	Issue
CDM-388876	Udev rules have the wrong PCIe enumeration resulting in connectivity loss after upgrading.
CDM-387335	The Locate Disk option and the 'find_bad_disk' script, do not turn ON the RED LED for disks that are reported bad by 'hw_health' and 'find_bad_disk'.
CDM-333682	SSFD displays errors with open filesSSF Client was leaking memory when periodically enforcing erroneous rules because the 'target hostname was not resolvable'.
CDM-389173	Precheck script fails with error message, "FstabAndMount pre-check FstabAndMount pre-check has failed. Contact Rubrik support at support@rubrik.com for assistance. Error Code: RBK9109002."
CDM-385137	Disk mounted RO not repaired correctly and is in a loop of ACTIVE -> PRE_REPAIR until it is marked PRE_REMOVAL.
CDM-385369	Drive falsely transitioned to FAILED state.
CDM-384303	Node status reported healthy even when a disk on the node is in the MISSING status.
CDM-389808	Smooth node add is failing with new node on a Rubrik CDM version that is not at least CDM 8.1.2.
CDM-385328	Not able to configure replication.
CDM-385016	Not able to configure replication target.
CDM-383766	The cascaded archival policy was visible in the remote SLA Domain detail page but not while editing it.
CDM-382728	CIFS generating kernel panic resulting stale nodes.
CDM-370783	The snapshot API may return information about wrong snapshot.
CDM-368130	Snapshot showing as downloadable even though it was never replicated on target.
CDM-388539	Backup jobs stuck in FINISHING state.
CDM-385802	In TPR requests, the type of Do Not Protect SLA Domain (Preserve retention, Keep forever, Expire immediately) assignment is not shown.
CDM-381717	Multiple expired jobs stuck in FINISHING state.
CDM-370671	When backups are running, nodes are crashing and restarting.
CDM-369410	Snapshots are not expiring due to 'isRetainedByIdl = true' field.
CDM-385978	CDP failure after cluster upgrade.
CDM-381892	Customer reports Golang version displays security vulnerability alerts in customer scans.

Version 8.1.2-p2 fixed issues

Rubrik CDM version 8.1.2-p2 includes general security improvements and the fixes listed in the following table.

Ticket	Issue
CDM-389809	VMware Live Mount fails after upgrade from Rubrik CDM 8.0.2 to Rubrik CDM 8.0.3-p6.

Ticket	Issue
CDM-388974	There is a conversion failure on Windows server virtual machine when trying to delete Windows registry key `Software\Policies\Microsoft\Windows\Powershell`.
CDM-388097	ManagedHierarchyCache refresh crashes when NAS shares without valid data interfaces are protected.
CDM-387730	Cannot re-add node to the cluster due to replace_node failing with exception.
CDM-396305, CDM-385876	When TLS interception is enabled for Rubrik CDM outgoing connections, some upload jobs from the Rubrik cluster will fail.
CDM-386884	PARALLELIZED_REFRESH_ARCHIVAL_DATA_LOCATION job fails to refresh metadata for a few snappables.
CDM-384939	Host refresh job ID not provided causing the host refresh to be done manually to check the update status.
CDM-386110	Intermittent VCD backup failures.
CDM-381906	Customers are unable to mount SMB shares intermittently.
CDM-365959	T-log chain is being broken despite successful log backup jobs.

Version 8.1.2-p1 fixed issues

Rubrik CDM version 8.1.2-p1 includes general security improvements and the fixes listed in the following table.

Ticket	Issue
CDM-388561	Replicated NAS systems are not readonly.
CDM-385978	CDP failure after cluster upgrading to Rubrik CDM 8.1.1.
CDM-385328	Replication unable to resume due to a timeout error.
CDM-385137	Disk mounted RO not repaired correctly and is in a loop of ACTIVE > PRE_REPAIR until it is marked PRE_REMOVAL.
CDM-385016	The operation on the target cluster takes a long time due to not being able to reach archival location, which is required to be be verified to avoid any reader + replication conflicts.
CDM-384771	VMware backup has impact on virtual machine's performance.
CDM-384303	Node status reported healthy even when a disk on the node is in the MISSING status.
CDM-384294	File recovery from clustered fileset to host is failing.
CDM-383856	Customer unable to use custom roles as it will not allow Rubrik CDM access from Rubrik Security Cloud (RSC).
CDM-382802	Oracle libinject log files are growing rapidly and filling up the /var partition on the Oracle host.
CDM-382728	Nodes go stale due to kernel panic.
CDM-382561	Unable to migrate shares due to fileset marked as 'archived'.
CDM-381520	AIX agent upgrade does not recreate agent restart crontab job.

Ticket	Issue
CDM-380939	Oracle log snapshots which were uploaded to the archival location are not able to be read at recovery time as a subset of the archived logs which were downloaded from Azure could not be copied to the Oracle host without facing an I/O error.
CDM-379891	OOM crashing on three nodes.
CDM-371673	Cannot view share permission tab for org_admin.
CDM-371642	Fileset backup failure and agent-server service crashes on several nodes.
CDM-371511	Upload jobs not uploaded to certain archival locations as these locations were in a 'paused' state and not enabled in the SLA.
CDM-370783	The snapshot API may return information about wrong snapshot.
CDM-370605	The request endpoint to pull job status for an Oracle job will return the job status only for a day, and then the job status cannot be found once the job is archived on the underlying job tables.
CDM-370589	The upload jobs to an Azure archival location may fail due to intermittent read failures caused by the partial reads when the network connectivity is not stable.
CDM-370079	Download jobs get stuck after downloading most of the patch files.
CDM-369584	The AIX RBS service does not come up on host reboot.
CDM-369475	Large number of audit files were generated after the upgrade.
CDM-369410	Snapshot is not getting expired due to isRetainedByIdl = true field.
CDM-365544	Agent server crashes from time to time.
CDM-363787	Nutanix shares not getting auto discovered and added to cluster.
CDM-361999	Unable to validate that they can restore from a secondary Rubrik CDM that is connected as an archival reader.
CDM-360182	Customer reports potential secure connection errors with the following log message - Digest-MD5 not supported by LDAP server. Fallback to insecure SimpleBindRequest.
CDM-360179	NFS RPC timing out due to the internal agent crashing.
CDM-348563	JFL is crashing on Rubrik nodes causing backup jobs to fail repeatedly.
CDM-328166	VMware snapshot holding time for array integrated backups take longer than expected.
CDM-310260	Added new TOTP lockout feature for LDAP users to avoid brute forcing TOTP secrets
CDM-308606	Replication does not work after virtual machine is failovered.
CDM-304724	The Oracle DB backup job fails with NumFilesMismatch error.

Version 8.1.2 changes and fixed issues

Rubrik CDM version 8.1.2 includes general security improvements, the changes listed below, and fixes to the following issues.

Version 8.1.2 changes

Change	Description
Support for legal hold on SAP HANA	As of Rubrik CDM 8.1.2, legal hold is supported on SAP HANA. Legal hold for SAP HANA is supported only for full backups and is not supported for incremental, differential, and log backups. This functionality is managed through Rubrik Security Cloud (RSC). The *Rubrik Security Cloud User Guide* provides further details.
Support for downloading a snapshot from replication target on SAP HANA	As of Rubrik CDM 8.1.2, downloading a snapshot from a replication target is supported on SAP HANA. This functionality is managed through Rubrik Security Cloud (RSC). The *Rubrik Security Cloud User Guide* provides further details.

Version 8.1.2 fixed issues

Ticket	Issue
CDM-384303	Node status reported healthy even when a disk on the node is in the MISSING status.
CDM-383721	Microsoft SQL Server live mount performance issues post upgrade to CDM v8.1.1-p1-24326.
CDM-383661	Cluster install command pauses while waiting for node reboot when installing CDM 8.1.1-p1 version from earlier versions.
CDM-383440	Writes to SDFS failing because all underlying disks were full.
CDM-382272	Unable to back up managed volumes after upgrading to Rubrik CDM 8.1.2.
CDM-380992	Invoke-VMScript returns authentication error when starting Rubrik CDM 7.0.1.
CDM-380862	Password requirements not honored with update password option.
CDM-380525	Failed to export recovered NSF file to new node.
CDM-380486	Customer is seeing potential vulnerabilities in the following third party packages: 'ntp2', 'log4j3', 'golang4', 'openssh-client, openssh-server, openssh-sftp-server'.
CDM-380210	Rubrik Agent is not using systemd on AlmaLinux 8.
CDM-371778	Getting alerts for disk transitions incorrectly set to FAILED even when REPAIR of disks succeeds.
CDM-370663	Tracing agent was not starting due to port conflict with another service.
CDM-370475	Memory issues due to high inode utilization.
CDM-370396	Unable to delete replication pair.

Ticket	Issue
CDM-370370	Replication fails for newly added SAP HANA databases after upgrade to Rubrik CDM 8.1.1.
CDM-369966	Live Mount fails to create virtual machine, resulting in Invalid Configuration error.
CDM-369819	Cannot assign RSA as MFA for two-person rule (TPR) users via UI.
CDM-368935	RAM value shows much higher than actual value.
CDM-368922	Enhancement in recent versions of the Admin CLI prevents direct use of standard interactive programs.
CDM-368859, CDM-362743	QStar archive locations fail to connect after upgrading from CDM 8.0 to CDM 8.1 due to a webservice exception.
CDM-368755	SDFS service getting restarted sometimes due to high number of threads being used.
CDM-368742	VMware live mount/Export is failing for vSphere virtual machines that have UEFI with secure boot plus VBS enabled.
CDM-368576	Microsoft Exchange incremental snapshots are taking a long time.
CDM-368068	Db2 discovery failures.
CDM-367768	Missing preMissingStatus causes diskCheckerPolicy to throw exception.
CDM-367612	Node decommission failure.
CDM-367377	The replication job is stuck after the completion of snapshot data replication.
CDM-366712	SDFS service getting restarted sometimes due to high number of threads being used, resulting in job failures.
CDM-366551	A live mount of a Windows virtual machine with secure boot fails with invalid virtual machine configuration.
CDM-366523	Multiple ethtool interface settings causes the config file to be overwritten.
CDM-366398	Standby discovery fails if customer uses IP address instead of hostname in hadr config files.
CDM-366224	In log replication on the target cluster, user may see alerts stating that log retention is longer than snapshot retention, even when the location's full retention scope (local + archival) is longer than log retention.
CDM-366213	Discovery and database backups started failing after upgrade.
CDM-365992	VMware backup jobs become stuck on some nodes.
CDM-365927	Multiple node staleness and reboot issues stemming from cockroachDB/cqlproxy unavailability.
CDM-365620	Oracle backups failing with internal error RBK91210003 (Envoy.EnvoyNgGetLiveMountIPsByHostIDFailure) after upgrading to Rubrik CDM 8.0.x.
CDM-365613	Replicated NAS Systems will have a status of Connecting.
CDM-365517	Oracle Database backups failing with Encryption wallets in OKV with error "ORA-28407: Hardware Security Module failed after FW upgrade."
CDM-365274	Snapshot were shown on source even though they are no longer present on the replication target.

Ticket	Issue
CDM-364779	Local SLA Domains not seen in UI even though they are created.
CDM-364750	Uploads to S3 were failing due to large number of files in the temp directory.
CDM-364148	Restore issue on Rubrik cluster.
CDM-363840	Oracle log upload is very slow.
CDM-363242	Unable to restore from archive location's rehydrated snapshot.
CDM-362893	After upgrade to Rubrik CDM 8.0.2, old snapshots started getting uploaded.
CDM-362248	The data snapshot job was stuck in FINISHING state.
CDM-361995	SMB share discovery fails for certain NAS SMB Servers and those shares cannot be protected in Rubrik Security Cloud (RSC).
CDM-361863	Oracle backups failing from cache refresh issue and no Oracle objects showing up on UI after upgrade to Rubrik CDM 8.0.3-p1.
CDM-361783	Source cluster refresh job failed.
CDM-361650	Disk WWN missing.
CDM-361490	Upload job failing.
CDM-361434	Oracle recoverable chains are not being established on replication target due to Oracle log replication lag.
CDM-361411	DIMMs incorrectly reporting errors.
CDM-361260	S3 archival location disconnected after a certificate error.
CDM-360169	Upload jobs failing with vmgwareflatfile missing.
CDM-358656	Fileset metadata fetch failing.
CDM-358363	Upload job is unable to find any snapshots eligible for upload when only one of two MAL locations is not in connected state.
CDM-358035	Incorrect endpoint used when searching through both Nutanix clusters and virtual machines.
CDM-357771	The ssf reverse rules missing, but recover themselves, when envoy goes offline and online again, or new GetForwardConnection() is called).
CDM-357255	hw_health report missing DIMM or PSU.
CDM-356764	Log and db backup are failing due to Rubrik Backup Agent crashing.
CDM-356702	Snapshots are retained on local for a larger duration than expected.
CDM-356350	Unable to see the download menu option when downloading snapshot from archival.
CDM-355267	Kernel panic at "tar" command during creating the support bundle due to compatibility issues in the driver.
CDM-354244	$spark user appears in audit logs instead of more information about Polaris User.
CDM-354098	Cannot call read-only-CDM endpoints such us remove_disk / setup_disk.
CDM-351516	Local admin password change fails.
CDM-351118	Snapshots retained on local beyond the local retention configured in the SLA Domain.

Ticket	Issue
CDM-349095	When upgrading the Db2 version from V10.5 to V11.5 of an added Db2 instance, the discovery job started failing.
CDM-342591	ACLs were not getting restored.
CDM-331262	Customized role cannot manipulate the snapshot.
CDM-328726	Downloaded log snapshots from S3 were eventually expired locally and had to be downloaded again.
CDM-328437	Issues installing application agents.
CDM-308950	When creating an SLA Domain within Manage Protection Wizard for NAS, the window disappears after the SLA Domain creation.
CDM-308256	Log Backups are failing due to unable to switch archive log files at DB level but UI wrongly reports it as Internal Error message.
CDM-307691	Export job failed due to exported virtual machine is invisible.
CDM-306778	VolumeFilterDriver does not have enough input check and an invalid request from a user program can crash the driver. Since the driver runs in kernel, the driver brings the Windows system down.
CDM-305231	SQL Server log replication jobs have misleading error messages when there are no log backups to pull from the source.
CDM-292937	Host get operating system API is failing.
CDM-284781	When an on demand SQL server batch backup job gets taken, the scheduled event from the prior scheduled batch backup job is left stale.
CDM-264240	Batch recovery UI modal shows inconsistent set of virtual machines checked and selected.
CDM-358363	Upload job is unable to find any snapshots eligible for upload when only one of two MAL locations is not in connected state.

Version 8.1.1-p1 changes and fixed issues

Rubrik CDM version 8.1.1-p1 includes general security improvements, the changes listed below, and fixes to the following issues.

Version 8.1.1 changes

Change	Description
Support for retention lock on SAP HANA	As of Rubrik CDM 8.1.1, retention lock is supported on SAP HANA. This functionality is managed through Rubrik Security Cloud (RSC). The *Rubrik Security Cloud User Guide* provides further details.

Version 8.1.1 fixed issues

Ticket	Issue
CDM-370475	Memory issues due to high inode utilization.

Ticket	Issue
CDM-370370	Replication fails for newly added SAP HANA databases after upgrade to Rubrik CDM 8.1.1.
CDM-369966	Live Mount fails to create virtual machine, resulting in invalid configuration error.
CDM-368935	Job failures on Rubrik cluster.
CDM-368859	QStar web service exception.
CDM-368755	SDFS service getting restarted sometimes due to high number of threads being used.
CDM-368742	VMware virtual machine live mount/export is failing for virtual machines that have UEFI with Secure Boot plus VBS enabled.
CDM-368068	Discovery failure.
CDM-366551	A live mount of a Windows virtual machine with secure boot fails with invalid virtual machine configuration.
CDM-366523	Multiple ethtool interface settings causes the config file to be overwritten.
CDM-366398	Standby discovery fails if customer uses IP address instead of hostname in hadr config files.
CDM-366213	Discovery and database backups failed after upgrade.
CDM-365927	Multiple node staleness and reboot issues stemming from cockroachDB/cqlproxy unavailability.
CDM-365809	Customer is not able to export their shares when they select recreate entire directory structure option.
CDM-365613	Replicated NAS Systems will have a status of Connecting.
CDM-365517	Oracle database backups failing with encryption wallets in OKV with error, "ORA-28407: Hardware Security Module failed after FW upgrade."
CDM-364779	Local SLA Domains not seen in UI even though they are created.
CDM-364750	Uploads to S3 were failing due to large number of files in the temp directory.
CDM-364148	Internal error on Rubrik cluster.
CDM-363840	Oracle log upload is very slow.
CDM-362743	QStar locations in disconnected state after upgrading to Rubrik CDM 8.1.0.
CDM-361783	Source cluster refresh job failed.
CDM-361650	Disk WWN missing.
CDM-361411	DIMMs incorrectly reporting errors.
CDM-357255	hw_health report missing DIMM or PSU.
CDM-356350	Customer is not able to see the download menu option in case of downloading snapshot from archival.
CDM-355267	Kernel panic at "tar" command during creating the support bundle due to compatibility issues in the driver.
CDM-354098	Rubrik Support user cannot call read-only-CDM endpoints such as remove_disk / setup_disk.
CDM-347742	High latency in backup job.

Ticket	Issue
CDM-306778	VolumeFilterDriver does not have enough input check and an invalid request from a user program can crash the driver.
CDM-358363	Upload job is unable to find any snapshots eligible for upload when only one of two MAL locations is not in connected state.

Version 8.1.1 fixed issues

Rubrik CDM version 8.1.1 includes general security improvements and fixes to the following issues.

Ticket	Issue
CDM-365936	Upgrade to Rubrik CDM 8.1.0 leaves SSF services in stopped state.
CDM-365498	Db2 databases are getting incorrectly archived after upgrade to Rubrik CDM 8.1.0-p2.
CDM-365112	Isilon has many interfaces, but only one is used, leading to performance issue.
CDM-363870	Cannot snmpwalk Rubrik MIB OIDs.
CDM-363258	Secure thrift backup stuck in incremental merge.
CDM-362746	Full backups failing intermittently.
CDM-362215	Unable to see organization management tab on gear icon, but able to navigate to page via URL.
CDM-361499	After adding a node via Rubrik Security Cloud, the cluster shows a "Sync Delay".
CDM-361422	vCenter refresh failure after upgrading to Rubrik CDM 8.1.0-p1.
CDM-361205	Rubrik CDM discovery rejects any dynamic IP addresses expecting that the primary addresses will all be static.
CDM-360906	Configured uploads to happen monthly, but daily uploads are still occurring.
CDM-360267	PARALLELIZED_UPLOAD jobs will fail to upload index files.
CDM-359863	Alert is sent for Basic Auth API calls.
CDM-359860	Unable to set up unformatted disks.
CDM-359841	Some expiry jobs are failing because of orphaned snapshots of child virtual machines on the cluster.
CDM-359644	Consolidation/reverse jobs failing.
CDM-359211	Archiving NAS DA workloads to RCV locations is not recommended.
CDM-359206	Log replicate jobs failing.
CDM-359140	Backup jobs are delayed.
CDM-359113	Admin command line login failure for Rubrik CDM clusters with account lockout enabled
CDM-358759	PARALLELIZED_UPLOAD jobs will fail to upload index files.
CDM-358647	Rubrik CDM VMware pages should show protection SLA Domain instead of retention SLA Domain in the SLA Domain column.
CDM-358645	Unable to override Retention lock checks on assignment workflows involving hierarchial objects and indirect assignments.

Ticket	Issue
CDM-358504	Entitlement is lost causing Node Add failure.
CDM-358486	An incorrect missed archival compliance icon appears on the UI despite the snapshot having uploaded to expected archival locations.
CDM-358043	Rubrik CDM upgrade on E1000 platform from Rubrik CDM 8.0.x to Rubrik CDM 8.1.0 and Rubrik CDM 8.1.0-p2 fails with pre-check failure.
CDM-357517	NAS discovery failing due to duplicate records.
CDM-356985	Parallel upload jobs failing with error java.nio.file.NoSuchFileException.
CDM-356874	Some disks appear in MISSING state post-upgrade.
CDM-356737	Node addition is stuck in FINISHING state.
CDM-356706	Parallel upload jobs failing with error java.nio.file.NoSuchFileException.
CDM-356379	vmwareUuid field in exposed in GET v1/vmware/vm/virtual_disk/.
CDM-356368	Customer receiving a lot of alerts triggered by health monitor policy 'InterfaceStatsChecker' post upgrade from Rubrik CDM 7.0.2-p4 to Rubrik CDM 8.0.2-p2.
CDM-356059	Full upload is repeatedly done after every 5 days to the immutable RCV archival location.
CDM-355988	Customer is seeing interfaceStatsChcker alerts after upgrade to Rubrik CDM 8.0.3.
CDM-355831	Errors when expanding Azure cloud instance.
CDM-355806	Advanced tags are not replicated and cannot be found in the replication target DB.
CDM-355729	SnapDiff based backups are stuck forever.
CDM-355353	Interstatschecker health-monitor can fail and raise alerts.
CDM-355263	Customer is not able to SSH into the cluster using the admin credentials whereas the UI login with the same credentials work fine.
CDM-354919	Slow downloads when recovering Microsoft Exchange data.
CDM-354874	ARCHIVAL_MIGRATE_SNAPPABLE job was failing.
CDM-354341	Fileset restore fails for archived filesets.
CDM-352675	Error message, Failed to get response from RBA for Db2 instance db2d2u4d for operation 0f405539-25b8-4106-89be-5262026ff696-db2-instance-discover.
CDM-352654	When customer add a node node in CDM cluster, envoy is not detecting the new node.
CDM-352506	Bolt count was exceeding the limit set by customer.
CDM-352338, CDM-352147	The users page on the Rubrik CDM does not load.
CDM-352316	Customer's expiry jobs for child virtual machine's of VCD vApps started failing.
CDM-351261	Policy 'InfluxDBArchive' displays the warning failure level - InfluxDB memory limit exceeded.
CDM-351084	Customer snapshots were retained forever when virtual machines were moved to a tag set to Do Not Protect.

Ticket	Issue
CDM-349881	Failed to create new managed volume after decommissioning nodes and replacing them with new ones.
CDM-349761	Archival refresh jobs stuck in UNDOING.
CDM-349427	Database backup fails with `OracleInternalErrors.UnableToGetTimeFromSCN` when the database backup runs for a long time (more than 5 days). The failure is after the database backup script is complete.
CDM-349249	Duplicate log files appear.
CDM-349091	Log replication is failing because of blobstore too many contents because the log expiry job is failing on the replication target.
CDM-348790	Oracle writing data into SSD instead of HDD causing it to get full
CDM-348474	Auto discovery for NAS fails.
CDM-348395	Snapshot uploads might have degraded performance if network throttling is enabled.
CDM-348079	Archival migration fails for snapshots from an archival location which was connected as a reader and then promoted to owner.
CDM-347958	Root partition is full causing SSF tunnel connection failure.
CDM-347907	Nutanix NAS snapshot operation can fail and result in backup using live filesystem.
CDM-347749	Customer is unable Clone/LM pre-upgrade recovery points for a CDB database.
CDM-347658	During a cluster wide reboot the reference clock used to detect time shifts loses time against wall clock time while the subsystem that generates it is down.
CDM-346834	The Rubrik CDM UI is showing a generic internal error message instead of an actual error message.
CDM-346690	Full upload is repeatedly done on alternate days to the immutable RCV archival location.
CDM-346679	Certain array volumes are not recognized as array volumes and virtual machines on those volumes cannot perform array integrated backups.
CDM-346067	Manage Protection doesn't work on Rubrik Security Cloud NAS on netapp Systems older than 9.7
CDM-345830	Snmp message formate with headers into, [key=value, key=value...] message If any key or value as [] it will break the process.
CDM-345591	VMware backup job failed.
CDM-345527	Code error.
CDM-344974	Virtual machine linking is broken.
CDM-344838	During a cluster wide reboot the reference clock used to detect time shifts loses time against wall clock time while the subsystem that generates it is down. This causes an apparent timeshift which the system detects and alerts for.
CDM-344096	Adding additional disks fails during setup for Cloud Clusters and Bolt.
CDM-343862	Missing logs and database backups.
CDM-343002	In files-only export, we miss creating log directories but the job is still successful.
CDM-342784	If deleting a nas system fails, attempting to delete the nas system again may also fail.

Ticket	Issue
CDM-342591	ACLs were not getting restored.
CDM-342547	Local retention value is not being taken into consideration for log backups when an archival location exists. Hence, log backups are being expired after they have been uploaded to archival location.
CDM-342494	The logs are not getting deleted on the host according to the host log retention configuration.
CDM-342468	SAP HANA log backups are timing out.
CDM-342372	A service account without admin access is unable to delete its own session.
CDM-342315	Oracle host is missing directory structure which causes failure during export.
CDM-341654	It is by design to turn on the exported target vapp by default. So when there are powered-off virtual machines in target, they will be powered on along with the entire vapp. And select "manually power on option" can be a workaround.
CDM-341387	Vcd instant recovery can fail intermittently when source virtual machine is no longer present in the vapp.
CDM-340762	re-ip script fails while trying to perform an update on the node table(database) for the REMOVED node with the following cql query: delete from sd.node where cluster_id='cluster' and node_id=%(node_id)s
CDM-340467	Disk marked as READY_TO_REMOVE.
CDM-340201	Because of corruption in write of a patch file, the subsequent read of the same file failed which eventually resulted into job failure.
CDM-338766	Discovery fails due to custom .profile at customer side.
CDM-338265	For Oracle Restart setup, clone job succeeds but db_unique_name, oratab entry and instance name show mismatch.
CDM-335562	Some workflows are showing previous SLA Domain name after existing SLA Domain is changes to Do Not Protect with snapshot retention option 'Preserve retention from previous SLA'.
CDM-335364	Unmount might fail if the mounted virtual machine is migrated.
CDM-335135	Migration job failed
CDM-334211	Replicated Oracle db snapshots and recoverable ranges were not showing up on the target cluster UI for a particular database.
CDM-330799	Agent server crashes during backup.
CDM-330309	Has duplicate entries in oracle_rac and DG db backup jobs fail due to 2 primary databases.
CDM-328022	A bug in the cascading archival validation logic.
CDM-325874	Nodes remain in BOOTSTRAPPING state during node add.
CDM-318396	Wrong SLA Domain name is shown.
CDM-317506	Compliance alerts are generated for snapshots that are not expected to be archived.
CDM-316549	virtual machine with btrfs on live mounted virtual machine fails to index.
CDM-310910	Replication failure.

Ticket	Issue
CDM-306520	Inconsistency in Data Guard Group setting seems to be causing this issue.
CDM-303861	Oracle Log backups failing with "ORA-01878: specified field not found in datetime or interval".
CDM-284189	Creating ASM directories during live mount failed because the wrong GRID_HOME was used.
CDM-282259	SQL server log backups stuck in CANCELING state with "Cannot find Mssql Dag with id = " signature.
CDM-269830	the download icon for users with a restore role set to allow download of files does not display in the activity details of the virtual machine.
CDM-266393	SQL Server exports, restores, and Live Mounts fail when the target database has a colon in the name.

Version 8.1.0-p2 fixed issues

Rubrik CDM version 8.1.0-p2 includes general security improvements and the fixes listed in the following table.

Ticket	Issue
CDM-359206	Log replication jobs fail.
CDM-359140	Job fetcher logs restart when a full vCenter refresh job is running delaying backup jobs.
CDM-358759	Archive upload fails post migration or linking of virtual machines.
CDM-358486	Archive upload icon showing failure despite successful upload.
CDM-358043	Rubrik CDM upgrade from Rubrik CDM 8.0.x to Rubrik CDM 8.1.0 and Rubrik CDM 8.1.0-p2 on E1000 platform fails pre-checks.
CDM-355831	Errors encountered when expanding Azure cloud instance.
CDM-355806	Advanced tags are not replicated and cannot be found in the replication target database.
CDM-355353, CDM-356368, and CDM-355988	Health monitor policy 'InterfaceStatsChecker' fails and raises alerts.
CDM-354341	Fileset restore fails for archived filesets.
CDM-351261	'InfluxDBArchive' policy has hit the warning failure level.
CDM-348474	Auto discovery for NAS fails.
CDM-348395	Slow snapshot uploads may occur when network throttling is enabled.
CDM-347958	Disabled SSF logs into syslog causing disk to fill and sends envoy into a disconnected state.
CDM-345830	Intermittent service timeouts in SNMP monitoring system.
CDM-344974	Virtual machine linking is broken for many virtual machines resulting in issues with backup, replication, and global search.
CDM-342494	Archive logs are not deleted as per the assigned SLA Domain.

Ticket	Issue
CDM-341654	Powered-off virtual machines in target are powered on with the entire VMware vApp.

Version 8.1.0-p1 fixed issues

Rubrik CDM version 8.1.0-p1 includes general security improvements and fixes to the following issues.

Ticket	Issue
CDM-346679	Array volumes are not recognized as array volumes and virtual machines s on those volumes cannot perform array integrated backups.
CDM-349427	Database backup fails with `OracleInternalErrors.UnableToGetTimeFromSCN` after the database backup script is complete when the database backup runs for more than 5 days.
CDM-352675	Db2 instance refresh is failing due to db2nodes.cfg entry other than 'dbpartitionnum hostname logicalport'.
CDM-352316	Expiry jobs for child virtual machines of Vcd Vapps started failing.

Version 8.1.0 fixed issues

Rubrik CDM version 8.1.0 includes general security improvements and fixes to the following issues.

Ticket	Issue
CDM-349688	Upload jobs encountered a backward compatibility bug after the upgrade. The issue can be resolved by a one-time manual change to the configuration.
CDM-349091	Log replication fails.
CDM-348790	Oracle writes data into SSD instead of HDD causing space issues.
CDM-348216	Node removal fails.
CDM-347749	Unable to clone or live mount pre-upgrade recovery points for a CDB database.
CDM-346067	Failure to assign SLA Domain to NAS shares from Rubrik Security Cloud (RSC).
CDM-345527	Network IPMI Get-command fails.
CDM-345175	Envoy NG registration failing as cluster web cert is signed by non-recognizable CA (Alpha SSL).
CDM-344096	Failure to add disks during Cloud Clusters and Bolt setup.
CDM-343785	DAG name, native id not being discovered.
CDM-342784	Failure to delete an NAS system.
CDM-343427	When user disables a policy, one of the nodes failed to disable (still in enabled state).
CDM-342566	Snapshot uploads might fail.
CDM-341200, CDM-340762	Re-IP script fails while trying to perform an update on the node table(database) for the REMOVED node with the following CQL query: delete from sd.node where cluster_id='cluster' and node_id=%(node_id)s.
CDM-341194	Recovery failed because of missing logs.
CDM-340342	SAP HANA redirected restore.

Ticket	Issue
CDM-340190	Creation of a checkpoint was failing because of which backups were failing for Hyper-V virtual machines.
CDM-340065	A federated login user cannot see the mount events after a virtual machine live mount succeeds.
CDM-339143	Backups are failing because backint can't read paramfile.
CDM-338766	Db2 instance discovery fails.
CDM-338515	Some earlier snapshot become unrecoverable.
CDM-338225	Log backup and expiry jobs got stuck in Finishing because the database had a recoverable chain with an expired log snapshot.
CDM-338199	Restore virtual machine failure.
CDM-337591	After host ip change, customer unable to register the host.
CDM-337588	SLA Domain assignment is failing for filesets.
CDM-337532	Files-only Live Mount or Clone fails from the UI with the error , "PDB-level recovery cannot be performed for DBA-managed files-only Live Mount., when the chosen recovery point's database snapshot was taken before upgrade to Rubrik CDM 8.0.
CDM-337470	Compared to Rubrik CDM 7.x, the behavior of the check_connectivity command changed for the default use cases. This was considered acceptable. But given the feedback, we will make further changes to bring back the legacy behavior.
CDM-337038	Archival lag building up causing space issue.
CDM-336734	Disk Status remains in PRE_REMOVAL for 3 days even after physically being replaced on-site.
CDM-336478	Live Mount with a custom PFILE specified still uses the original SPFILE to restore.
CDM-336199	brik_scripts that depend on rubrik_tool.py are not operational.
CDM-335646	Failed attempts to add node to a Rubrik cluster.
CDM-335641	add node failed due to error message IPMI user password can't set.
CDM-335523	On Edge clusters, the health-monitor policies may not be running,. If the node has moved to BAD state, it remains in BAD state even if all the checks are working as expected.
CDM-335522	Network check_connectivity needs to allow "nc"'s "-z" option.
CDM-335350	Exchange DAG discovery fails when there is more than one DAG surfacing through Exchange connector queries for a single server.
CDM-335347	Upgrade failed during staging after secondary partition was mounted in ImagingTask. Resuming the upgrade also failed
CDM-335318	Superfluous check of datastore storage.
CDM-335303	TCP Port 8011, required for deployments that include Rubrik Envoy, was open in a deployment that did not include Envoy. Fix provides a Rubrik CLI command to disable this port when Envoy is not needed.
CDM-335131	Managed Volume backup fails and logs shows RouterFileCorruption.
CDM-335040	The ntp_checker based policy runs with a timeout which when triggered (as here) prevents the normal clean up of generated files.

Ticket	Issue
CDM-334913	Backup started even when there wasn't enough space on the cluster to take a full backup of the virtual machine.
CDM-334266	Customer unable to take Exchange database snapshots for databases with files under volume root.
CDM-334249	Some custom reports stuck in 'updating' state.
CDM-334104	DIMM errors detected on DIMM memory.
CDM-333968	On Nutanix AHV, the task to check memory ballooning feature fails due to unsupported platform. Tool is only supported on VMware environment.
CDM-333951	/opt/rubrik/src/scripts/forge/revert_hotpatch.sh not logging output.
CDM-333682	SSFD sends multiple messages about the number of open files.
CDM-333316	The static routes on vlan is not re-added back when resetting(remove followed by add) the vlan.
CDM-333269	Backup directories not cleaned up when CREATE_ORACLE_SNAPSHOT jobs fail.
CDM-332839	Oracle database backup failed when using secure thrift.
CDM-332517	Log replicate jobs are lagging as they are not being scheduled and run promptly.
CDM-332502	CloudOn fails for LDM snapshots.
CDM-332450	Driving node crashed with a kernel panic while running BackupIpmiCredsTask during upgrade.
CDM-332341	Some jobs automatically canceled when running on a failure node.
CDM-332099	The cluster is getting "Periodic task failed" errors due to cockroach query times out.
CDM-331790	In cases where the Samba server does not support SACL, the backup and restore fails.
CDM-331746	After disk image upgrade, non-admin user with cliaccess role loses access as home directory doesn't exist.
CDM-331707	Source cluster refresh jobs were failing due to Oracle SLA Domain log migration issues.
CDM-331617	User management operations involving privilege escalation check may fail when the Rubrik CDM is in 'Hybrid mode'.
CDM-330772	Jobs stuck on several nodes after upgrade.
CDM-330719	Upgrade tool failure for Rubrik Support upgrade tool to undo ignore node for an unsuccessful upgrade.
CDM-330586	Some custom reports stuck in 'updating' state.
CDM-330554	Snapshot uploads might fail for full uploads with some snappable types.
CDM-330550	Repeated InfluxDBCardinalityExplosion policy failure alerts are seen since the upgrade to Rubrik CDM 8.0.0-p2
CDM-330546	PARALLELIZED_STATS_UPDATER_GLOBAL job failure.
CDM-330360	Cannot remove the legal hold on a snapshot for a virtual machine which was linked to another virtual machine.
CDM-330350	Node reboot causes mounts to disappear.
CDM-330329	When running an array integrated backup with NetApp storage array, the backup can fail to mount the cloned volume.
CDM-330307	Support upgrade tool failure freezes.

Ticket	Issue
CDM-330175	Retention Lock disabled, but snapshots not expired or deleted.
CDM-330158	Snapshot uploads may fail.
CDM-329654	Oracle Solaris 10 u11 SPARC installation failure.
CDM-329504	Many functions fail, including backup.
CDM-329478	Stacked chart sent with email does not display the readable y-Axis value when all values in the dataset are zero.
CDM-329134	Systems with more than 32GB physical memory will only display sizes in multiples of 16 in UI.
CDM-328448	The agent server crashes impacting Fileset backup job.
CDM-328438	Too many open files in SDFS.
CDM-328432	Multiple nodes with parallel uploads enabled crash after upgrade to 8.0.0-p1.
CDM-328181	Disks remain in PRE_REPAIR status even after being physically replaced.
CDM-328175	Bare-metal restore fails at the volume copy stage.
CDM-328129	No jobs run after custom hostname change if there are existing throttle jobs that still have the old hostname in the reference set.
CDM-327713	CockroachDB compaction process triggered after upgrade exhausts available space in the CrDB partition, leading to CockroachDB failure.
CDM-327577	The Oracle database backups are hung or take unusually long to finish.
CDM-327196	vCenter full refresh takes over 2 hours to complete.
CDM-326277	VMware backup job fails, but child job remains in RUNNING state and no further backups can be run against the object.
CDM-326270	After installing Rubrik Backup Service (RBS) on HPUX, the host addition to Rubrik CDM fails as RBS generates wrong certificates.
CDM-326050	VMware backup fails with error message–The operation has been disabled by the guest operating system(err=20005).
CDM-325841	After upgrade, Oracle log files grow rapidly and fill up the /var/log partition on the Oracle host.
CDM-324625	Investigating relevance of CVE-2022-24785 for Rubrik CDM.
CDM-324098	Duplicate gateway in routing table.
CDM-323694	File-level recovery on archived snapshots with XFS partition crashes the node.
CDM-323162	TypeScript export in Oracle 19 fails if the RMAN catalog has the same file names but different checkpoint System Change Numbers (SCNs).
CDM-323077	Non-snake case configuration entries exist in the database. Configuration init entry does not exist in database for newly- added nodes.
CDM-322715	Customer is not able to see Oracle RAC in the UI as a result of RAC discovery failure.
CDM-322699	Large number of parallel writes in the CCES cluster results in a Rubrik CDM node going to PANIC state as a result of going out-of-memory (OOM), leaving the node unusable.
CDM-322579	A recoverable chain break periodically compromises Recovery Point Objective (RPO).
CDM-322240	"Make Primary" doesn't automatically refresh the host leaving it "Connected as Secondary".

Ticket	Issue
CDM-322011	Quicksilver task fails.
CDM-321625	Cockroach restarts due to crashes.
CDM-321286	Recovery attempts of VMware virtual machine fail after upgrade to Rubrik CDM 8.0 with error "requirement failed: Standalone ESX host should contains only 1 DataCenter 2 found".
CDM-321278	Upload jobs to S3-compatible object store location fails as target doesn't allow file overwrite.
CDM-320983	Increase in alert cases.
CDM-320923	The node add job proceeds with auto-installing when there is no sd-reset. on customer's cluster.
CDM-320807	Running "Launch on Cloud" fails with the error "Failed to launch ussvahc219's snapshot on S3:imerys-naa-s3-rubrik" for snapshots taken before VMware host was moved from one vCenter to another.
CDM-320244	Multiple entries discovered for the Data Guard databases.
CDM-320228	Failure in determining the last snapshot information that resulted in backups being blocked. Issue last seen in Rubrik Air.
CDM-319993	Upload jobs fail.
CDM-319476	Spelling error in log message.
CDM-319137	Overnight changes in AIX backup speed.
CDM-318790	Files on the network path are followed inspite of being disabled.
CDM-318786	Large database backups fail owing to insufficient file handle resources.
CDM-318754	SAP HANA backups fail after upgrade.
CDM-318172	User is unable to live mount a Virtual Machine snapshot on a compute cluster with ESX subnets configuration set when the ESX hosts in the vCenter are reachable through different network interfaces from the Rubrik CDM.
CDM-317871	ArchivalSupportTool does not work after upgrade to Rubrik CDM 6.0.3-p2+.
CDM-317857	Reduced storage usage on target.
CDM-317764	Database backups fail with num datafiles mismatch issue.
CDM-317506	Compliance alerts generated for snapshots that are not expected to be archived.
CDM-317225	Customer receives regular alerts for a periodic task failure after edge cluster upgrade.
CDM-317080	Replicated jobs missing in job instances report.
CDM-316967	Envoys have known quote issue causing ssf-client to restart at a constant interval of 5 minutes.
CDM-316928	Incorrect assertion that all parts of the patch file have been tiered back.
CDM-316920	Decommission undo job does not include archived node causing job to throw exception.
CDM-316913	VMware export job fails.
CDM-316899	Multiple backup failures on node as a result of too many open files.
CDM-316744	Powering off the cluster from command line powers off removed nodes.
CDM-316743	The customer is unable to upgrade two Rubrik CDM SLA Domains that protect a vSphere object.

Ticket	Issue
CDM-316586 and CDM-316050	Only hot tier files are considered as target for performing necessary steps to be eligible to tier.
CDM-316063	Replication fails on customer setup.
CDM-316035	Fileset backups often failing on HP-UX host.
CDM-316031	NAS share lists on the UI in disconnected status.
CDM-315836	Inability to restore files on one Windows 2022 host.
CDM-315811	Customer backups do not resume even after disabling quota settings associated with the organisation.
CDM-315790	Adding node to AWS cloud cluster fails.
CDM-315108	Consolidation job fails.
CDM-315069	Indexing job runs long for a given Windows virtual machine causing the node crash.
CDM-314866	Bare Metal Restore (BMR) operation fails with 'Invalid offset' error when creating partition.
CDM-314820	Pre-upgrade check fails for SMB-based Managed Volumes.
CDM-314815	Recoverable chain is broken after switchover.
CDM-314244	Unsecure use of /tmp directory in agent RPM scriptlets.
CDM-314116	Log backup fails for a secure-thrift enabled Data Guard group.
CDM-313932	Two custom reports "STG - Capacity Report - Now" and "STG - Cap Over Time - Global - 1 Week" do not work.
CDM-313486	Unable to clone a database to point in time in December due to timezone issues.
CDM-313370	Replication job stuck in finishing while exposing a snapshot.
CDM-313083	Seeing NoCurrentChainForDagException message during log replication.
CDM-312996	When customer uses CA signed web cert, envoy registration failed.
CDM-312799	Log backup jobs for dbs on a RAC were stuck preventing the next log backup job from running.
CDM-312595	All Oracle pages in the UI appear blank.
CDM-312593	The customer sees an event saying "Starting Live Mount ..." when a log mount is run.
CDM-312309	Backup and Export jobs are blocked on the cluster.
CDM-312103	Customer want to see object showing as "Do Not Protect" SLA Domain when they change SLA Domain to "Do Not Protect".
CDM-311984	If a hyperv host transitions to a NON hyperv host due to some transient issue on the host side, the identity of the virtual machines hosted on that and later migrated may be lost. That can create duplicate entries.
CDM-311919	"Edit SLA Domain" is disabled when "archived redo log retention" is selected in the Edit SLA Domain wizard.
CDM-311915	Upgrade failing in preparing state.
CDM-311912	Customer wants ICMP timestamp packets to be blocked by Rubrik CDM nodes.
CDM-311771	Entries with Saturday-Sunday schedule-override will be impacted.

Ticket	Issue
CDM-311766	The customer had questions about how the SLA Domain is inherited if a non-Data Guard database becomes a Data Guard database.
CDM-311716	Download failure during rehydration of patch files
CDM-311388	No I/O graphs on system page
CDM-311319	In rare instances after `sqlcmd` is killed externally, a log shipping configuration gets stuck trying to replay the same log backups over and over.
CDM-311265	Registration of Isilon NAS host running OneFS 9.4.x fails.
CDM-311135	EXPIRE jobs on QStar location were getting stuck.
CDM-311133	Fileset backup fails at the last stage of backup when connectivity with host is intermittent.
CDM-310911	Proxy deploy fails causing backup to fail.
CDM-310880	Inability to delete snapshots from read-only locations.
CDM-310402	Replication job for SAP HANA databases remain in FINISHING state resulting in failure to replicate recent data for the respective databases.
CDM-310386	Multiple socket/FIFO files throw errors.
CDM-310325	Cloud incremental conversion job fails with error message, "Failed to apply cloud dependencies for OS Disk".
CDM-309783	Clone fails when recovering a point-in-time snapshot.
CDM-309585	SLA Domain assignment to a virtual machine folder or datacenter with too many child objects in it is unresponsive.
CDM-309579	tmp partition increases beyond threshold owing to .fmd files.
CDM-309348	Intended error message was blocked and not propagated into the log.
CDM-308810	Upgrade to 7.0.1-p2 with smooth node add fails owing to failure to extract tarball and trigger install.
CDM-308451	Data Guard switchover/failover results in break in recoverable chain.
CDM-308437	Local change to hw_health scripts get overwritten on daily basis on pre-staged cluster.
CDM-308072	Command line cluster reboot node command does not work on pre-bootstrapped node.
CDM-308071	The add_node command is platform sensitive and asks only for management network information.
CDM-308035	Cloud incremental conversion job fails with error message, "Failed to apply cloud dependencies for OS Disk".
CDM-307809	RegEx expression fails while reading OS version from file for RedHat versions 8.5+, as a result of change in format.
CDM-307671	Error message, "Current user does not have sufficient privileges to perform this operation" appears irrelevantly.
CDM-307547	Existing snapshot retention options are unavailable for "Do Not Protect" and "Clear Existing Protection".
CDM-307536	Hyper-V backup fails if the host has more than one interface.
CDM-307007	All Paths Down state triggered on vSphere resulting in "Lost connectivity to storage device" alerts.

Ticket	Issue
CDM-306856	Custom report generation fails.
CDM-306778	Invalid application requests can result in the Rubrik Backup Service (RBS) going down. This was caused by the VolumeFilterDriver module on the RBS agent not having sufficient input checks.
CDM-306307	Archival restore from Amazon S3 Glacier storage classes fail.
CDM-306216	Oracle log deletion failure event does not have an associated notification email.
CDM-305148	The restore job could be stuck as soon as it tries to go to running state.
CDM-304875	No successful backup for virtual machine.
CDM-302779	Out of space errors due to high inode utilization as a consequence of Bazel files that are generated by certain pex scripts.
CDM-302209	A regression bug happened in health monitor code. That prevented the correct monitoring of network interface events on bond1.
CDM-300421	Restoring an mssql database with a recovery point containing the log fails with ContentDoesNotExist.
CDM-298027	Some replication jobs that are not processed by JFL and will be in a QUEUED state well beyond its start time.
CDM-294641	Snapshot sometimes includes blacklisted paths such as /proc.
CDM-292028	Oracle host log deletion fails sending warning events and retrying for 7 days.
CDM-288969	Node add fails when the cluster default gateway is not set on the management network, but on the service VLAN.
CDM-287070	The Fileset and MSSQL restore job are slower than usual if a large number of files are being restored.
CDM-280874	IPMI firmware upgrades from version 3.70 to 3.92, and from version 3.92 to version 4.0.2, result in port 80 becoming available on the Rubrik cluster. The fix provides new firmware binaries to Rubrik CDM.
CDM-278983	Node are discovered with bond1, we accept this initially, but fail at later stage due to bond0 connectivity issue.
CDM-275477	Exceptions seen during crypt unlock were not handled properly, due to which node-monitor was crashing every time any exception happened during crypt unlock.
CDM-274656	Incremental backups fail sometime with NumDatafilesMismatch error.
CDM-274102	Index jobs are getting stuck on a specific node.
CDM-248612	Indexing issues can cause spurious Radar alerts.
CDM-246156	Some jobs that were running on a removed or renamed node were not getting cleaned up on other nodes.
CDM-242117	VMware virtualization based security setting removed on Live Mount and export.
CDM-239858	VMware restore failed when vSphere virtual machine has latency-sensitive flag.
CDM-199983	Customer's virtual machines experience frequent virtual machine backup job scheduling and cancellation.
CDM-193808	File restore failures.

Technical notes

The notes in this section provide specific information related to features in Rubrik CDM version 8.1.x.

Deprecated support for new disk-based Rubrik Cloud Cluster deployments

New deployments of disk-based Rubrik Cloud Cluster on AWS and Azure are deprecated as of Rubrik CDM 8.1.0. All new AWS and Azure clusters should be deployed as Rubrik Cloud Cluster - Elastic Storage.

Automatic recoverability support for Cloud Cluster Elastic Storage

Rubrik CDM 8.1.3-p1 adds support for automatic recoverability for Cloud Cluster Elastic Storage (CCES) . With this feature, CCES metadata is automatically uploaded to your CCES bucket. The immutability feature must be set to ON to take advantage of this feature.

IMDSv2 required for AWS Cloud Cluster

All instances of AWS Cloud Cluster running on Rubrik CDM versions 8.1.3 and higher now use Instance Metadata Service Version 2 (IMDSv2). The *Rubrik CDM Cloud Cluster Setup Guide* provides further details.

Rubrik CDM 8.1.1 API Changelog

The internal and v1 Rubrik CDM REST API paths have several changes in Rubrik CDM version 8.1.1.

Changelog for internal endpoints

In Rubrik CDM 8.1.1, the Rubrik CDM REST API has additions and changes for endpoints on the "internal" path.

Feature additions and improvements

- Added new optional field `vmwareUuid` to `VirtualDiskSummary`. This impacts the `GET /vmware/vm/virtual_disk` endpoint.
- Added a new field `naturalId` to the object `HypervVirtualMachineDetail` used by GET `/hyperv/vm/{id}`.

Changelog for v1 endpoints

In Rubrik CDM 8.1.1, the Rubrik CDM REST API has additions and changes for endpoints on the "v1" path.

Feature additions and improvements

- Added new endpoint `POST /sap_hana/db/snapshot/download/{snapshot_id}/{location_id}` to download a SAP HANA snapshot from the remote location.
- Added `VirtualDiskSummary` in `VirtualDiskDetail`. This adds 2 optional fields `vmwareUuid` and `vmName` in `VirtualDiskDetail` and impacts the `GET /vmware/vm/virtual_disk/{id}` endpoint.

Rubrik CDM 8.1.0 API Changelog

The Rubrik CDM REST API paths: internal, v1,v2, and v3 have several changes in Rubrik CDM version 8.1.0.

Changelog for internal endpoints

In Rubrik CDM 8.1.0, the Rubrik CDM REST API has additions and changes for endpoints on the "internal" path.

Breaking Changes

- Updated HTTP response code for endpoint `POST /snapshot/expire` to 204 from 202 to stop returning expiry job ID.
- Removed `keyRecovery` field from the `KeyRotationOption` object as key recovery has been deprecated.

Feature additions and improvements

- Added a new optional field `shouldSkipDropDbInUndo` to the object `ExportOracleDbConfig` used by `POST /oracle/db/{id}/export`.
- Added a new field `nicsInSnapshot` to the object `NutanixVmSnapshotSummary` used by `GET /nutanix/vm/snapshot/{id}`.
- Added a new field `hostId` to the object `OracleHostSummary` used by `GET /oracle/host`.
- Added a new field `hostId` to the object `OracleNodeProperties` used by `GET /oracle/rac`.
- Added new optional fields `nicNetworkUuids` and `keepMacAddresses` to `NutanixVmExportSnapshotJobConfig` object. This impacts the `POST /nutanix/vm/snapshot/{id}/export` endpoint.
- Added a new optional field `isResizable` to `DiskInfo` object used by `NodeInfo` object.
- Added a new optional field `provisioningCode` to `ObjectStoreLocationSummary` object used by other objects `ObjectStoreLocationDefinition` and `ObjectStoreLocationDetail`.
- Added new string enum `IbmInstanceType` with valid values including `Vault`, `Container`, and `Cloud`.
- Added a new optional field `ibmCosInstanceType` to `ObjectStoreLocationSummary` object used by `ObjectStoreLocationDefinition` and `ObjectStoreLocationDetail` objects.
- Added a new optional query parameter `search_query_type` to `GET /search` and `GET /search/snapshot_search`.
- Added a new field `archivalThrottlePort` to `NetworkThrottleSummary` and `NetworkThrottleUpdate` to specify the network port used for archival throttling. This impacts the `GET /network_throttle` and `PATCH /network_throttle/{id}` endpoints.
- Added new endpoint `PATCH /cluster/{id}/vlan` to update configuration of an existing VLAN on CDM.
- Added new optional field `sectionSizeInGb` to the `OracleDbDetail` object returned by the `GET /oracle/db/{id}` and `PATCH /oracle/db/{id}` endpoints.
- Added a new optional field `sectionSizeInGb` to the object `OracleUpdateCommon` used by `PATCH /oracle/rac/{id}`, `PATCH /oracle/host/{id}`, `PATCH /oracle/db/{id}`.

Changelog for v1 endpoints

In Rubrik CDM 8.1.0, the Rubrik CDM REST API has additions and changes for endpoints on the "v1" path.

Feature additions and improvements

- Added new optional field `vmwareUuid` to `VirtualDiskSummary`. This impacts the `GET /vmware/vm/virtual_disk/{id}` endpoint.

- Added new optional field `instanceUuid` to `VirtualMachineSummary`. This impacts the `GET /vmware/vm/{id}` endpoint.
- Added a new event type `LogBackup`. This impacts `GET event/latest` and `GET /event/csv_download_link` endpoints.
- Added new optional fields `nicNetworkUuids` and `keepMacAddresses` to `NutanixVmMountSnapshotJobConfig` object. This impacts the `POST /nutanix/vm/snapshot/{id}/mount` endpoint.
- Added new endpoint `POST /cluster/{id}/test_snmp_trap_receivers` to send a dummy trap to all configured SNMP trap receivers.
- Added new endpoint `GET /exchange/db/` to retrieve summary information about Microsoft Exchange databases.
- Added new endpoint `GET /exchange/db/{id}/mount` to retrieve summary information about the Live Mounts for a Microsoft Exchange database.
- Added new endpoint `GET /exchange/db/mount` to retrieve summary information about the Live Mounts for Microsoft Exchange databases.
- Added new optional field `shouldEnableHighFileCountSupport` to `PATCH /oracle/db/{id}` and `PATCH /oracle/data_guard_group/{id}` endpoints.
- Added a new endpoint `POST /cluster/{id}/re_ip` to initiate an operation to update IP configurations of a Rubrik cluster node.
- Added a new endpoint `GET /cluster/{id}/re_ip` to get the status of the re-ip operation that updates the IP configurations of a Rubrik cluster node.
- Added new endpoint `POST /mongo/source` to add a MongoDB source to the Rubrik Cluster.
- Added new endpoint `PUT /mongo/source/{id}` to update the MongoDB source on the Rubrik Cluster.
- Added new endpoint `DELETE /mongo/source/{id}` to delete a MongoDB source from the Rubrik Cluster.
- Added new endpoint `PATCH /mongo/source/{id}` to edit the MongoDB source on the Rubrik Cluster.
- Added new endpoint `POST /mongo/source/{id}/discover` to start an on-demand discovery of the MongoDB source on the Rubrik Cluster.
- Added a new endpoint `GET /mongo/source/request/{id}` to get the details about an asynchronous request related to a MongoDB source on the Rubrik Cluster.
- Added a new endpoint `GET /db2/db/{id}/recoverable_range` to get recoverable range information for a Db2 database.
- Added new endpoint `DELETE /sap_hana/db/{id}/downloaded_snapshots` to expire downloaded SAP HANA database snapshots from rehydrated location.
- Added new field `hostNames` to Db2InstanceSummary object to specify names of hosts associated with the Db2 instance. This impacts the responses from the `GET /db2/instance/{id}` and `GET /db2/instance` API endpoints.
- Added new endpoint `POST /db2/db/snapshot/{snapshot_id}/{location_id}/download` to download a Db2 database snapshot from an archival location.
- Added new endpoint `POST /db2/db/{id}/recoverable_range/download` to download Db2 database snapshots from archive for a point in time recovery.
- Added new endpoint `DELETE /db2/db/{id}/downloaded_snapshots` to expire downloaded Db2 database snapshots from rehydrated location.
- Added new endpoint `GET /db2/db/{id}/snapshot` to return a list of Db2 database snapshots.
- Added new fields `registeredMode` and `rubrikUrl` to ClusterInfo object to specify the mode of registration and RSC URL of the Rubrik Cluster. This impacts the responses from the `GET /cluster/{id}` API endpoint.
- Added new endpoint `POST /fileset/bulk/nas` to bulk create fileset for RSC NAS.
- Added new endpoint `POST /config_protection/setup` to set up config protection of the Rubrik cluster.
- Added new optional field `shouldPauseImmediately` to `EnablePerLocationPause` object to specify whether replication jobs are paused immediately without losing progress when per location pause is enabled.

- Added new optional field `datastoreClusters` to `VmwareHierarchyInfo` object to provide datastore cluster details for VMware hierarchy object.
- Added new endpoint `GET /config_protection/setup` to retrieve configuration protection setup on the cluster.
- Added new endpoint `GET /nutanix/cluster/{id}/network` to list all the networks present on the Nutanix cluster.
- Added new endpoint `POST /mongo/collection/assign_sla` to assign SLA Domain to MongoDB collection objects.
- Added new endpoint `DELETE /config_protection/setup` to delete configuration protection setup on the cluster.
- Added new optional field `sectionSizeInGb` to the `OracleDbDetail` object returned by the `GET /oracle/db/{id}`, `PATCH /oracle/db/{id}`, and `PATCH /oracle/data_guard_group/{id}` endpoints.
- Added a new optional field `sectionSizeInGb` to the object `OracleUpdateCommon` used by `PATCH /oracle/rac/{id}`, `PATCH /oracle/host/{id}`, `PATCH /oracle/db/{id}`.
- Added new optional field `hadrDatabaseIds` to `Db2InstanceSummary` object to specify the IDs of HADR databases associated with the Db2 instance. This impacts the responses from the `GET /db2/instance/{id}` and `GET /db2/instance` API endpoints.
- Added new endpoint to retrieve summary of a Db2 database: `GET /db2/db/{id}`.
- Added new optional field `hadrMetadata` to the `Db2DatabaseSummary` object to specify additional information in case of an HADR database. `hadrMetadata` will have the information related to instance IDs on which this HADR database is running and its HADR role on these instances. This impacts the responses from the `GET /db2/db/{id}` and `GET /db2/db` API endpoints.
- Added new optional `databaseType` to `Db2DatabaseSummary` object that specifies whether the database is standalone, partitioned, or HADR. This impacts the responses from the `GET /db2/db/` and `GET /db2/db/{id}` API endpoints.
- Added a new endpoint `POST /db2/db/{id}/refresh` to initiate an on-demand refresh of a Db2 database.
- Added a new endpoint `DELETE /db2/db/{id}` to initiate deletion of a Db2 database.
- Added a new optional query parameter `max_wait_seconds` to API endpoint: `GET /event`.
- Added new optional field `targetClusterName` to the `RestoreFormConfigurationReplicationTarget` object to specify replication target cluster name. This impacts the `POST /config_protection/restore_form` and `POST /config_protection/restore` API endpoints.
- Added new optional fields `storageClass` and `cloudRehydrationSpeed` to the `RestoreFormConfigurationS3ArchivalLocation` object to specify storage class and retrieval speed, respectively. This impacts the `POST /config_protection/restore_form` and `POST /config_protection/restore` API endpoints.

Changelog for v2 endpoints

In Rubrik CDM 8.1.0, the Rubrik CDM REST API has additions and changes for endpoints on the "v2" path.

Feature additions and improvements

- Added new optional field `shouldMigrateImmediately` to `createMountV2` to specify whether to create and schedule a VMware datastore migration job immediately when Live Mount succeeds.
- Added new optional field `migrationConfig` to `createMountV2` to specify the target storage location and optional virtual disk mapping for datastore migration job.
- Added new endpoint `POST /vmware/vm/mount/{id}/relocate` to migrate a Live Mount or Instant Recovery virtual machine with datastore cluster and virtual disk mapping support.

Changelog for v3 endpoints

In Rubrik CDM 8.1.0, the Rubrik CDM REST API has additions and changes for endpoints on the "v3" path.

Feature additions and improvements

- Added new endpoint `POST /vmware/vm/{id}/export` to export a virtual machine snapshot with datastore cluster and virtual disk mapping support.

Compatibility Matrix

See the *Rubrik CDM Compatibility Matrix* for information about features, requirements, and compatibility for Rubrik CDM software.

Support

Use one of the following methods to contact Rubrik Support.

Web	Rubrik Support Portal
Phone	Contact numbers

Comments and suggestions

We welcome your comments and suggestions about our products and our product documentation.

Products

To provide comments and suggestions about our products contact Rubrik Support, as described in Support.

Product documentation

To provide comments and suggestions about the product documentation, send an email to: techpubs@rubrik.com.

To help our writers identify the area that you are referencing, include the following requested information.

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Sensitive Data Monitoring is designed to assist customers with identifying certain data elements and formats and should not be solely relied upon to identify all data elements and formats of a certain type for any purpose, including legal or compliance.