Bocada Enterprise Release Notes
Contents

The following features and enhancements were made available with the release of Bocada 25.3.12. This version is a Feature Release and will be supported in accordance with the Support Terms.

New Features

New Storage Connectors for Infinidat
Bocada continues to enhance its storage module with connectors for InfiniBox and InfiniGuard. Storage admins can now monitor, predict, and alert on space utilization in these systems.

Encrypted and Immutable Status of Backup Jobs (AWS & Acronis)
Bocada has extended its cyber resilience capabilities by mining and reporting on whether AWS backup data is immutable and/or encrypted, as well as reporting on whether backup data from Acronis Cyber Protect is encrypted. Reports available in the Security module identify how well backups are protected from cyberattacks that target backup data, such as ransomware.

Enhancements

Connectors
- *Commvault*: Added the data point "Operation Type" for each backup job. This data can be found in the extensions field of Backups.
- *Veeam Backup & Replication*: added a new server property to allow users to stop collecting jobs that represent checkpoint removal. These jobs were reported with the backup server as the client and impacted licensing.

Resolved Issues

Connectors
- *Cohesity Helios*: Addressed data collection issue when more than 1,000 backup data records are requested in a single API call (maximum in the Helios API).
- *Commvault Metallic*: Resolved data authentication issue with the "forever" REST API token.
- *IBM Storage Protect (TSM)*: Resolved multiple issues, including underreported daily backups, replication jobs, and an issue impacting Remote Data Collector (RDC) for TSM.
- *NetBackup*: Fixed issue where certain jobs backing up XML files were ignored. Rather than ignoring, unique date stamps are now removed to normalize the target names in Bocada.
- *Oracle Cloud Infrastructure*: Resolved multiple issues preventing successful data collection, including use of special characters in private API keys.
- *Veeam Backup & Replication*: Resolved issues related to Veeam agent software versions displaying incorrectly and clients being duplicated in the Bocada Enterprise UI by prepending the job/policy name.
- *Veeam for M365*: added support for version 8.0 to resolve successful data collection without any data being collected.

The following features and enhancements were made available with the release of Bocada 25.3.11. This version is a Feature Release and will be supported in accordance with the Support Terms.

New Features

New Storage Connectors: IONOS & S3 Compatible Devices
Customers using Bocada's Storage module can now take advantage of two new connectors – one for IONOS S3 Object Storage, and another that is configurable to collect data from any S3-Compatible storage. This new capability enables storage admins to monitor and alert on space utilization in any S3 storage system.

Storage Alerting
Bocada has added storage alerting capabilities to notify users when a storage system or component of a storage system is growing or nearing a threshold. Alert trigger indicators include:

- % Utilization: Capacity defined systems or subsystems reaching a user-defined percentage of total utilization.
- % Growth: Any system or subsystem experiencing a specific growth percentage over time.
- Used Threshold: Any system or subsystem reaching a user-defined threshold of utilization.

This feature is designed to help customers better understand and manage storage utilization and cost, as well as plan for additional storage in advance of when the need becomes critical.

Rubrik
Updated the connector to support version 9.4+ of Rubrik, which introduced a requirement that all service accounts are created in and managed through the Rubrik Security Cloud (RSC). Customers planning to upgrade to Rubrik 9.4 (or newer) are encouraged to review the Bocada Rubrik Connector Guide which details the new requirements and engage with Bocada Support for any additional preparation help.

Enhancements

Connector Enhancements
- *Avamar*: Changed default behavior to ignore "Replication Destination" jobs which typically double resource counts when one Avamar server replicates to a second Avamar server. These replication jobs are reported on the replication source Avamar server and can be re-enabled on the destination server by setting a property in the connector called *Report Replication Destination Jobs* to Yes.
- *Commvault*: Added the "Operation Type" data point to Commvault data collection which is now included in the Backup Data Extension fields of Bocada backup reports.
- *IBM Storage Protect (TSM)*: Added Data mover backup schedules to Bocada reports.

Resolved Issues

Connectors

- *Avamar*: Fixed issue where the schedule name was missing for some more complex scheduled backups.
- *Azure*: Addressed multiple issues preventing successful data collection.
- *Commvault*: Fixed issue where media destination data was missing for some types for most copy jobs.
- NetBackup: Improved localization support for collected data including a comma as the decimal separator for numeric values.
- *Redstor*: Addressed data collection issue.
- *IBM Storage Protect (TSM)*: Improved and corrected several data points collected.
- *Veeam Backup & Replication*: Resolved issue where the policy name was used as the client name in Bocada reports which was impacting licensing. The new behavior will assign the VBR server name as the resource (client) name when the backup fails before the actual resource is discovered.
- *Veeam for O365*: Resolved data collection issue.

Reporting

- Fixed the custom date range in the criteria section of emailed and exported reports.
- Resolved issue with incorrect logic in the row filter at the bottom of tabular reports when using multiple filter criteria.
- Fixed the behavior of the link in the emailed reports that takes users back to the report in the Bocada UI.

The following features and enhancements were made available with the release of Bocada 25.3.10. This version is a Feature Release and will be supported in accordance with the Support Terms.

Enhancements

AWS S3 Storage Reporting
The AWS connector has been enhanced to collect and report on S3 Buckets, including attributes such as size, region, object count, encryption type, and object lock. Now AWS storage data can be reported alongside other cloud and self-managed storage.

Connector Improvements
- *AWS*: Improved scalability when using Organizational Hierarchy with Roles method to collect data. The AWS connector now uses pagination to collect data across thousands of AWS accounts, regions, and service types through a single connection.
- *Commvault*: Added token authentication for data collection via REST API.
- *IBM Storage Protect (TSM):* Maintenance Jobs now include an expiration summary instead of an expiration for each node. Additionally, data collection was extended to include incremental database backups and offsite reclamation.
- *Networker*: Added a "Client Nickname" column to the *Job Activity*, *Job Failures, Protected Inventory* and *Protected Non-inventoried* reports. Depending on the backup product, this field can contain an alternate client name to assist with mapping to CMDB CI information.
- *Veeam Backup & Replication*: improved the mapping of Veeam warnings previously reported as errors.

Reporting Improvements
- *CMDB*: Mapping of clients to zones based on attributes in CMDB now updates client-zone assignment based on the latest configuration in CMDB.
- *Storage Device*: the *Utilization Details* report has been enhanced to contain growth calculations that display the percentage change over time.

Resolved Issues

Connectors
- *Acronis Cyber Protect:* Corrected retention data for various backup types.
- *AWS:* resolved issue related to reporting tags of new AWS resources.
- *Cohesity Helios:* Resolved issue related to collection of data without a region specification.
- *IBM Storage Protect (TSM)*: Resolved issue related to reporting all filespaces.
- *Oracle Cloud Infrastructure (OCI)*: Fixed issue to save error messages properly when a backup job fails.
- *Veeam Backup & Replication*: Updated the Retention data in the Veeam policy report to display "unavailable" or "unknown" instead of "-1" when Veeam does not provide a retention.

The following features and enhancements were made available with the release of Bocada 25.3.9. This version is a Long-Term Supported Release and will be supported in accordance with the Support Terms.

New Features

New Connector: Oracle Cloud Infrastructure (OCI)
Customers using OCI native backups conducted in public or private cloud environments can now connect OCI to Bocada Enterprise to take advantage of the Bocada security and compliance AI analytics, automation and reporting.

Enhancements

AI Storage Consumption Forecasting
The *AI Storage Consumption Forecast* report has been enhanced to include the date when storage capacity for a finite storage device (non-cloud storage device) is expected to be reached. Additionally, users can configure the storage device utilization details to identify the part of the storage device that is growing the fastest, as well as the biggest contributor to storage device growth or size.

Connector Improvements
- *Commvault*: Improved collection of copy job data, including media destination.
- *Commvault Metallic*: Added support for the new "never expire" API token.
- *Hycu*: Added collection of restore job data for auditing purposes.
- *IBM Storage Protect (TSM)*: Improved data and reporting for file-level backup errors and TSM Active Log Utilization trends.

Resolved Issues

Reporting & Automation
- Fixed an issue where the row filtering function was ignored when running a saved report in the Bocada UI, negatively impacting the emailed version of this report.
- Fixed the timeout issue that was causing errors in alerting and updating of tickets/incidents.

Connectors
- *Acronis Cyber Protect:* Improved identification of incremental backup jobs which were previously reported as full, and other backup levels. Also addressed data collection error due to empty JSON arrays when the result was empty.
- *Commvault:* Resolved data collection failure due to a SQL query error from a corrupt *CNMMMediaInfoView* view in the Commvault database by adding optional server property to make data collection of this data set optional.

- *Dell PowerProtect Data Manager*: Fixed data collection failure due to an invalid API URL path.
- *Rubrik*: Fixed data collection issue where the previous data collection end date was not updated.

The following features and enhancements were made available with the release of Bocada 25.2.8. This version is a Feature Release and will be supported in accordance with the [Support Terms](#).

New Features

AI Storage Consumption Forecasting
Customers can now predict the future state of their storage devices using the *AI Storage Device Consumption Forecast* report. Built-in AI analyzes past data to predict when storage devices with finite capacity (non-cloud storage) will reach full capacity. It also shows which parts of the storage device are growing the fastest and pinpoints the biggest contributors to that growth.

Enhancements

Cloud Storage Cost Reporting for Azure Backup
Bocada added support for Azure Backup in the *Cloud Backup Storage Costs* report. This is the first product on the market to help customers understand and manage how much they are spending on storage for backups performed in AWS or Azure.

Storage Device Reporting Enhancements
- *NetApp*: Enhanced data collection to include details down to the SVM level (e.g. Cluster, Storage Virtual Machine, Volume, Total Data Capacity, Space Used, Logical Used Capacity, Snapshot Reserve Used Capacity, Snapshot Reserve Total Capacity, Thin Provision). This new data feeds into the standard Storage device reports to provide the same detail, trend, and forecast reporting.
- *PowerScale OneFS*: Added data collection of file/directory structure and sizes. This new data feeds into the standard Storage device reports to provide the same detail, trend, and forecast reporting.

Connector & Reporting Enhancements
- *Azure*: Extended data collection support to the China geo-region of Azure.
- *AWS*: Added support to specify Organizational Units (OU) by ID to handle duplicate OU names.
- *Commvault*: Bocada now collects and reports on Commvault plans which are used to define what data is protected, where it's stored, and when backups occur.
- *Rubrik*: Improved data collection performance by only retrieving events related to backup jobs such as Backup, Archive, Replication and Recovery. Also, two server properties were added to optionally retrieve Replication & Archive for SQL jobs.
- *Reporting performance*: Improved performance of the *Job Activity* and *Executive Summary* reports for large data sets.

vCenter Inventory Collection
Added mapping of the Guest Host Name to the Bocada inventory *Alt Name* field to enhance matching with backup job data to identify protected resources.

Automated Update Delivery Tool Improvements
This tool now stores applied updates in the Bocada database which are included in the exported Licenses report alongside the Base report.

Resolved Issues

Connectors
- *Acronis Cyber Protect*: Fixed issue in which the retention period in Bocada Enterprise did not reflect the values in the Plans menu of the Acronis UI.
- *AWS*: Addressed policy data collection error.
- *NetBackup*: Resolved issue of collation conflict during data collection.
- *Redstor*: Fixed issue related to the Redstor API timing out during data collection.
- *ServiceNow*: Resolved issue with tickets auto-closing.
- *Veeam*: Resolved issue where Archival jobs are reported as a Client (e.g. VM) name concatenated with an additional string.

Installer: Removed SQL Server 2012 Native Client from the installer package as a prerequisite.

Upgrade process: Addressed an issue preventing Bocada users in the Operator Role from downloading and sending reports.

Version 25.2.07
July 9, 2025

The following features and enhancements were made available with the release of Bocada 25.2.7. This version is a Feature Release and will be supported in accordance with the [Support Terms](#).

New Features

Cloud Backup Storage Cost Report for AWS
Bocada Enterprise customers using AWS can now collect and report on storage cost-related AWS Backup activities. This is the first product on the market to provide detailed information about AWS Backup costs to help customers understand and manage how much they are spending on storage related to AWS Backup. To see this data, customers can enable cost collection on the AWS connector and navigate to Storage Device reports to view storage cost information on a daily or monthly basis. This new capability provides cost reporting related to AWS Backup for EBS, RDS, S3, and EFS resources.

Automated Update Delivery Tool
The new automation tool can be run by Bocada users to seamlessly deploy Bocada software updates delivered between monthly releases. Running the update package will automatically deploy the update without requiring the customer or Bocada Support team to perform any manual steps.

Enhancements

AI Security: Anomaly Detection & Missed Backups
Improved AI modeling and usability of the *AI Anomaly Detection* & *AI Missed Backup* reports, as well as added collection of user feedback to improve the AI models.

Database Performance
A new database performance improvement script is now available for customers to reduce the size of the Bocada database after pruning.

Storage Device Utilization
Improved data display in the *Storage Device Utilization* chart so that the most recent storage utilization measurement is displayed with the data collected.

Saved Report Maintenance
Custom saved reports created by a Bocada Enterprise user will not be deleted if the user is accidentally or intentionally removed from the application. This includes custom reports that are scheduled to be automatically emailed.

Resolved Issues

Reporting & Ticketing

- *Auto-Close*: fixed the ticket/incident auto-closing issue when certain configurations were set.
- *Distributed Reports*: removed the duplicate subject line from a single scheduled report distributed by email.

Connectors

- *Acronis*: resolved issue with "test connection" failing.
- *Avamar*: addressed data collection issue causing the Garbage Collection report to be blank.
- *Azure*: fixed data collection issue showing backups for clients that no longer exist.
- *Cohesity Helios*: resolved issue with client count mismatching the count in Bocada.
- *Commvault*: the Commvault Host Name now displays in a custom column; also fixed issues related to data collection failures.
- *Commvault Metallic*: addressed data collection failure related to the same runtime being used for all collections and added support for Commvault v11.20.
- *Data Domain*: fixed issue with storage data collection failure when using RDC.
- *NetBackup*: resolved multiple issues including Oracle and SQL Server job database names as targets; collation conflicts; and missing data from deduplication columns in Bocada reports.
- *Veeam*: fixed data collection errors and backup jobs displayed as servers in reports.

The following features and enhancements were made available with the release of Bocada 25.2.6. This version is a Feature Release and will be supported in accordance with the [Support Terms](#).

New Features

Customizable Report Description Field
Bocada users can now add a custom description to a saved report to explain what the report displays, which is helpful when reports are sent to key stakeholders or internal/external customers that may not be as familiar with the data. The user-entered text will be visible in a "Report Description" column on the saved report and can be included when the report is manually sent, or automatically distributed, via email.

UI: Dark Mode
The Bocada Enterprise UI now supports dark mode. Users can toggle between the current "light" UI theme and the new "dark" UI theme by clicking the sun or moon icon in the top navigation menu.

Enhancements

Expanded Dell PowerScale OneFS
Customers using Dell PowerScale OneFS storage devices will now be able to collect and report on PowerScale Shares with quotas. The standard reports can now display the total consumption compared to quota capacity and how that data trends over time.

Improved Usability of Left Navigation Menu
Bocada Enterprise's left navigation menu was updated to improve the user experience. Sections are better organized and consolidated to reduce confusion. Some reports were moved to a more logical location, and the names of some standard reports were updated to more accurately reflect their content.

Reporting & Report Criteria Improvements
- *Storage Device reports*: added criteria to the "Storage Type" field to enable users to choose which Storage Units within the device they want to report.
- *Ignore Clients during specific time range:* the Ignore Clients feature can now be used to prevent triggering alerts during maintenance window durations of less than a full day by specifying a time window in addition to a date range.

Connector Enhancements
- *Commvault*: the backup node name and client FQDN are now collected for MongoDB Cluster configurations. Additionally, data verification status is now being collected for backup jobs.

Resolved Issues

Reporting

- *Executive Summary Report:* Fixed issue related to sorting by SLA threshold.
- *Protected Asset Report:* Resolved issue with auto-zoning error messages.
- *Backup Trends Report*: Fixed the issue when using the "Backup Types" criteria.
- *Backup Clients Report*: Resolved issue that was preventing all clients from displaying when managing zone assignment.
- *SQL Reporting*: Fixed issue so that the start and end times are in the same time zone as the backup server.

Connectors & Integrations

- *Acronis*: Fixed data collection issue related to using FQDN to connect the server.
- *Azure*: Resolved issue that was negatively impacting data collection performance.
- *Rubrik*: Fixed issues negatively affecting data collection performance. Also, fixed issue displaying jobs that initially failed then had a successful retry as a partial status when it should be a success.
- *ServiceNow*: Resolved issue with the "Test Connection" function failing when using OAuth 2.0.

The following features and enhancements were made available with the release of Bocada 25.2.5. This version is a Long-Term Supported Release and will be supported in accordance with the Support Terms.

New Features

Automated ITSM Ticketing: Data Collection Failures
Expanded the intelligent ticketing capability to generate, update, and close tickets for Bocada data collection failure and remediation.

IBM Storage Protect Trend Reports
Added trend analysis to existing reports for Backup Media & IBM Storage Protect (TSM). New reports include:
- *Pool Utilization Trends*
- *Tape Status Trends*
- *Licensing Trends*
- *Database Utilization*
- *Log Utilization*

Executive Summary Report: SLA Success Threshold
Bocada users can now set zone-specific Service Level Agreement (SLA) backup success rate thresholds and display whether the SLA has been met in the *Executive Summary* report.

Enhancements

Remote Data Collector (RDC)
Improved the RDC auto-update mechanism and optimized the RDC-to-CDC communication process.

Bocada Reporting Rest API
Added the capability to filter API results by Bocada client name in addition to the existing filtering by Bocada Zone.

Data Collection Performance & Scalability
Streamlined the data collection process by adding a database index to optimize the collection of large datasets.

Database: Data Pruning Scalability
Improved database pruning of expired data (as set by the customer) to better scale and expire older data from large datasets.

Distributed Report UI Format
Updated the formatting of reports and alerts distributed by Bocada Enterprise via email, SharePoint, direct to a UNC path, and other methods. The changes include look & feel improvements to better match the new application UI and overall data presentation.

Data Collection
A variety of Connector enhancements were made, including:
- *Commvault*: improved recognition of backup levels (type of backup)
- *Commvault Metallic*: updated connector to support changes in Metallic's authentication model
- *HYCU*: improved error recognition and categorization
- *IBM Storage Protect (TSM)*: added option to typically display each file-level error in detail rather than the summary that was previously displayed.
- *NetBackup*: multiple improvements, including:
    - Improved handling of error codes
    - Added data collection of Bytes Protected & Bytes Backed up
- Veeam: multiple improvements, including:
    - Improved Health Check job messages
    - Attribution of messages from the Veeam Job level to each individual VM backup

Resolved Issues

Data Collection
Addressed multiple Connector issues, including:
- *Azure*: resolved intermittent Storage Device data collection issue
- *Commvault*: improved recognition of backup jobs that fail but resume successfully
- *Data Domain*: fixed API data collection failure when originating from a Bocada RDC
- *NetApp*: resolved data collection failures across multiple clusters with identical credentials
- *NetBackup*: implemented updates for previously missing clients and client version
- *Veeam*: various fixes, including:
    - Data collection failure from a PostgreSQL database
    - Long term retention data for copy jobs

Reporting and Report Criteria
Addressed several minor issues around criteria dependencies, report loading, report visibility, scheduled report management, and data filtering.

Zone Management & Filtering
Addressed several issues related to Zone assignment, filtering, and management.

The following features and enhancements are now available with the release of Bocada 25.1.04. This version is a Feature Release and will be supported in accordance with the [Support Terms](#).

Enhancements

Installer Improvements

Bocada made a variety of improvements to its installer to improve usability and reliability. Those include:

- Improved database upgrade process and error handling to ensure streamlined rollback and troubleshooting when needed.
- Added Bocada version to the installer UI
- Fixed issue with user validation when using local system to run the Bocada services

Enhanced Custom Logo

Simplified and improved the experience when replacing the Bocada logo with a custom brand in the application UI and emailed/exported reports.

Azure Storage Collection & Utilization

Added data collection and storage utilization reporting for Blob Containers within each Azure Storage Account.

Enhanced Backup Failure Details

Improved the mapping of failed backup job error codes and messages from native system to Bocada Enterprise for Commvault, HYCU, and IBM Storage Protect (TSM).

Resolved Issues

Data Collection

Resolved backup and storage device data collection issues for the following connectors: Azure Cloud, Backup Exec, Commvault Metallic, Data Domain, Microsoft DPM and Veeam Backup & Replication.

Cohesity Helios

Identified cases where the mapping of Cohesity Helios System name was being mapped to the Bocada Client resource, when the object name was the displaying accurate client counts in the UI.

Commvault

Fixed issue related to mining proprietary level for SAP Oracle jobs.

Veeam, NetBackup

Resolved issue with duplicate jobs displaying on the Job Trends report.

Improved Zones Admin Report Performance

Customers with a high number of zones were experiencing long load times for the *Administration > Zones Admin Report*. This has been improved to load more quickly to improve usability of that report.

The following features and enhancements were made available with the release of Bocada 25.1.03. This version is a Feature Release and will be supported in accordance with the Support Terms.

New Features

New and Improved UI
Bocada Enterprise now has a new and modernized UI to improve the look and feel, readability, and ease of use. This will be defaulted "on" for those who upgrade to the 25.1.03 release, but users can return to the "classic" UI with a button in the top navigation bar if desired.

AI Missed Backup Analysis (Beta)
Bocada Enterprise now includes a new AI-enabled report, *AI Missed Backups*, which identifies potentially missed backup jobs that did not run when they should have -- based on historical backup data analysis. Released in beta, this new report helps users identify missed backup jobs and enables them to enter feedback so the AI model can continually improve its analysis.

Enhancements

Job Trends Performance Improvement
Customers with large data sets were experiencing sluggish load times for the *Job Trends* report. Bocada improved the performance of this report to display data more quickly, significantly reducing load time.

Enhanced AI-enabled Backup Anomaly Detection
The *AI Anomaly Detection* report, released in January, has undergone additional enhancements to improve the quality of the detection results and enable users to add this report to a dashboard as a widget.

AWS Connector Handling of WIZ data
WIZ for AWS is a third-party tool used to monitor the health and status of AWS resources. Bocada Enterprise now filters out WIZ auto-generated data more effectively to prevent confusion or unnecessary backup job data in reports.

Resolved Issues

Connector Updates
- Commvault: Fixed policy data collection failure introduced in version 25.1.01.
- HYCU: Updated data collection to bypass backup jobs that are in-progress at the time of collection. Previously partial job data was collected before the job completed within HYCU, causing partial or incorrect byte counts, job logs, etc.
- Veritas NetBackup: Updated NetBackup REST API data collection to capture previously missing restore jobs.

- <u>Veeam Backup & Replication</u>: Set "Long Term Retention Policy" column values for "Backup To Tape" jobs, and improved calculation of "SQL Transaction Log Options" column values for "SQL Log Backup" type jobs.

Custom Error Categorization

Fixed issue where "Last Successful Backup Date" was not properly calculated for backup jobs where the status had changed based on Bocada error categorization and masking settings.

Version 25.1.02
February 14, 2025

The following features and enhancements were made available with the release of Bocada 25.1.02. This version is a Feature Release and will be supported in accordance with the [Support Terms](#).

New Features

New Connector: Arcserve UDP
Bocada Enterprise now supports Arcserve Unified Data Protection (UDP) for backup data collection and reporting. This is in addition to Arcserve Backup which is already supported. Arcserve UDP combines backup, replication, disaster recovery and ransomware detection.

AWS Connector: New Data Collection Method
Bocada has added a new data collection method which is a hybrid of IAM Role & Policy method and the Organization Hierarchy method. This streamlines the process for customers to configure data collection across multiple AWS accounts.

Enhancements

Backup Anomaly Detection
Enhanced the performance of the AI-enabled Backup Anomaly Detection feature to improve accuracy of results.

Remote Data Collector (RDC)
Enhanced the RDC Installer Service to make bulk RDC upgrades faster and easier.

UI-UX Improvements
Enhanced the UI and user experience of the Add/Edit Servers & Add Schedules dialogs to improve usability.

Report Templates Update
Updated the templates for 10 standard reports to optimize default criteria and data columns which will streamline customized report creation. As always, users can add or remove data columns in a report and update criteria as needed, but the new templates offer a more focused starting point. These enhancements will not impact any custom saved reports and only apply to the "out of the box" experience for newer users. Report Template updates include base reports in the Backup Job Activity, Backup Failure, Backup Media, Asset Inventory, and Configuration areas.

Resolved Issues

Connectors

- **Azure Backup**: reporting for SQL backups is now showing SQL Instance Name and Database Names.
- **Azure Cloud:** data collection and reporting fixes include:
  - Mining schedule and policy data for additional backup resources.
  - Client Type and Proprietary Client type accurately captured into respective fields
  - Collecting policy, schedule and retention information for transaction log backups.
  - Setting retention values for [Automatic Webapp backups to 30 days](#).
  - WebApp warnings are more descriptive with appropriate WebApp names.
- **Avamar:** Fixed data collection issues related to policy and system events data from the remote data collector (RDC), as well as reporting success even when no new data was collected.
- **Cohesity Helios:** Fixed a data collection timeout error.
- **HYCU:** Resolved frequently reported data collection errors during the day.
- **Veeam:** Client report no longer displays the job name instead of the client name.

Backup Clients: Zones

When editing Zone assignments for multiple clients, the assignment dialog will now show "Maintain Existing Zone Assignments" and leave all assignments as they were unless user explicitly changes to a specific zone or zones, which will update all selected clients.

Standard user vs. Admin user access

To improve security, the Storage Device and Backup Media reports are now only available to administrative users and not to standard users.

Scheduled Report Distribution

Fixed the timeout error that intermittently occurred when scheduled reports were being sent by email.

Dashboard: Zone Filtration

Zone filtration on the enhanced Dashboard is again working as expected.

The following features and enhancements were made available with the release of Bocada 25.1.1. This version is a Long-Term Supported Release and will be supported in accordance with the Support Terms.

New Features

Backup Anomaly Detection
Bocada added a new AI-powered feature to automate the detection of backup anomalies that could indicate the presence of ransomware, unrestorable backups, or other threats to cyber resilience.

The *Backup Anomaly Detection* report performs probability analysis on trending backup job data related to size, duration, and throughput, and identifies anomalous activity as it happens in both a visual and detailed view. Users will be able to accept, reject and classify anomalies, so the AI-model learns over time and improves confidence level of future anomaly detection.

Note: to enable this new feature, please contact our Bocada Customer Success team.

Executive Summary Trends
Bocada has enhanced the existing *Executive Summary* report by providing a trend over time of the backup success rate by Zone, Backup Server, and Backup Product. Now, in addition to reporting just the overall success rate during a period of time, users can identify improving or degrading success rates across any segment of the environment to share with key executive or customer stakeholders. These were designed to be shared and distributed as executive-level reports to key stakeholders, such as MSPs sharing with their customers or enterprise users sharing with internal leadership.

Licensing
The *Licenses* report has been redesigned to simplify the main display and improve the details of how license utilization is calculated. Also added is a new measurement for storage licenses consumed to support our new Storage Device reporting. The storage license measurement is driven by capacity for capacity-based systems and utilization for unlimited cloud-based environments.

Enhancements

In Progress Jobs
Enhanced the *In Progress Jobs* report to include additional data points for "Target" and "Job Group," to help pinpoint long running or stuck jobs.

Veeam
Multiple enhancements, including:
- Added data collection to capture data points for "Target" and "Job Group," so it can be included in the *In Progress Jobs* report.

- Added data collection for "Backup Configuration" type jobs.

Commvault

Multiple enhancements, including:
- Added "Instance Name" into the target field for Commvault to enable auto-closure of tickets.
- Added a new server property to mine the media information from the Commvault database.

Azure Backup Connector

Enhanced several areas of data collection, including:
- Improved display of database backups for SQL in VM, SQL Managed Instance (PaaS), and SQL database (PaaS).
- Improved reporting for Azure App Services (Web Apps) automatic backups.
- Improved data collection for several Azure services to include Policy, schedule, and retention.
- Removed Recovery Services Vaults from counting against the license calculation.
- Improved error mapping for certain errors mapped to the Unknown Bocada error set.

Resolved Issues

Report Distribution

Resolved the issue of users in the "Operators" group being unable to download and send reports via email.

Scheduled Reports

Fixed the "Include URL in email" option for scheduled reports so users can successfully access and view the report via a link in the email message.

HYCU

Resolved multiple issues with the HYCU connector, including warnings, data collection and policy data reporting.

Acronis Cyber Protect

Resolved the failure message received during data collection and test connection when invalid credentials are used to connect.

UI/UX
- Left Panel Navigation: Resolved issue in which expanding a module the first time in a new session would expand the Home section instead of the intended module.
- Installer: removed unnecessary warning for App and DCS.
- Backup Clients Report: the Run Rules dialog has been updated for accuracy.
- Rules View: Removed the Copy Rules action.

The following features and enhancements were made available with the release of Bocada Enterprise 24.3.12. This version is a Feature Release and will be supported in accordance with the [Support Terms](#).

New Features

Bocada Servers: Ability to Assign Zones
Customers can now assign a single zone to each Bocada Server so that its data can be more easily organized when viewing, filtering, and distributing storage reports. For MSP workflows, this feature streamlines customer onboarding by enabling zone configuration when adding each customer server.

Enhancements

NetAPP ONTAP: Storage Device Reporting
Customers who use NetAPP ONTAP will now be able to report on data capacity and utilization collected via a secure REST API connection. Initial storage reporting focuses on the consumption of the entire appliance; aggregates (including root aggregates) and volumes; utilization trends; growth over time; encryption; and immutability.

Scheduled Report Distribution: Export to UNC network path using Email Blocs
Users can now configure Email Blocs to distribute targeted data based on Bocada Zones to UNC network paths in addition to email.

Veeam Backup Repository Report
Bocada added data fields for *Description* and *Membership* and moved that data from existing fields to better distill the Veeam storage repository configuration.

Commvault: Policy Reporting & Version Information
- Added Policy information from Commvault for all VMs, even those without remote data collection agents installed.
- Added the full details of the Commvault software version that Bocada Enterprise is connected to, along with service pack and hotfix information.

Zone Assignment to Users
Added the capability to include all zones or exclude specific zones when assigning data visibility to users. Additionally resolved an issue with zone assignment which prevented the assignment of multiple zones to a user profile.

Resolved Issues

HYCU
Corrected and added mining and reporting of additional HYCU data, including client names, target names, and byte count.

The following features and enhancements were made available with the release of Bocada Enterprise 24.3.11. This version is a Feature Release and will be supported in accordance with the Support Terms.

New Features

New Connector: Cohesity Helios
Bocada added a new connector to monitor and report on data collected from Cohesity Helios, a cloud-based solution from Cohesity that manages data from both their Data Protect (on-premises) and Data Protect as a Service (SaaS) applications. Customers will now be able to report on all their Cohesity infrastructure through a single connection directly into Cohesity Helios.

AWS Backup: Collection support for Organizations with Delegated Administrator
Customers using AWS Backup will be able to create a delegated administrator to extract the Organization hierarchy and add server properties to collect data. The process will collect all the accounts in the Organizational Units with permissions so that customers won't need to change a policy every time they create a new account.

Commvault: New Audit Report
Created a new report in the Audit section to report on maintenance jobs, data aging and DDB verification jobs, among other data points.

Enhancements

Cohesity: Storage Device Reporting
The Cohesity connector now supports storage device data collection and reporting, including data points such as Encryption (enabled/disabled), Immutability (COH per policy/Protection group), Free and Used GBs, and Deduplication Ratios.

Commvault: Immutable Backup & Encrypted Data Reporting
Extended this new cyber resilience feature to enable the mining and reporting of Commvault backup data that is immutable or encrypted. This report will help customers identify how well backups are protected from cyberattacks such as ransomware.

Avamar: Audit Report
A new report was added to the Audit section that reports on space reclamation for expired backups.

Veeam Backup & Replication Improvements
Added a new long term retention field for COPY jobs, as well as improved the display of Veeam backup job status.

ConnectWise integration improvement

Improved company information assignment to tickets in ConnectWise using zone-based assignments.

Resolved Issues

Remote Data Collector (RDC)
The issue with the installer getting hung on new RDC/CDC machines is now resolved. The installation and upgrade of RDC and CDC on servers now runs more smoothly and reliably.

Zone Assignment
Resolved issue with zone assignment to clients when cardinality is set to "Only one zone per client."

HYCU
Improved data accuracy in the Protected Bytes report.

The following features and enhancements were made available with the release of Bocada Enterprise 24.3.10. This version is a Feature Release and will be supported in accordance with the Support Terms.

New Features

Dell EMC Unity – Storage Device Reporting

Bocada has added support for Dell EMC Unity to collect, monitor and report on storage device data. This is in addition to storage device reporting for Dell PowerScale OneFS (Isilon), Dell Data Domain and Microsoft Azure.

Enhancements

Ignore Clients from Alerting/Ticketing

Customers occasionally perform maintenance activities on backup clients, and a certain number of backup job failures are expected during that period. Bocada now provides the option to pause alerting for a specific date range to avoid unnecessary tickets. Customers will be able to select which clients they want to "ignore" and prevent a ticket from being created for a specific date range. This is in addition to the existing ability to ignore specific clients from reports, and the UI of this feature has also been updated to improve the user experience.

Report Performance Improvements

We continue our investment in application and report performance to ensure data in the UI loads quickly, especially for customers with large data sets. In this release, users will be able to perform actions on reports (such as exporting a report or scheduling report distribution) without the report being automatically re-run unnecessarily, saving compute resources and users' time.

Storage Reporting

Bocada added criteria and reporting fields to the *Storage Device > Utilization Details* report to identify storage growth over a chosen number of days and daily rate of change.

Data Domain

Added data points and statistics for the following information:
- Appliance model number
- Appliance serial number
- Software version

Avamar

Added data points for "Backup Type" such as VSS, Filesystem, NAS, SQL Agent, Oracle, etc. to identify what types of backups are performed and ensure all backup requirements are met.

Cohesity

Updated the connector to support data collection when session authentication has been enabled on the cluster. Also added data points for "Backup Type" such as VSS, Filesystem, NAS, SQL Agent,

Oracle, etc. to identify what types of backups are performed and ensure all backup requirements are met.

ConnectWise
Enhanced the ticketing integration with ConnectWise to automatically close a ticket once a backup for the affected resource has completed successfully.

Remote Data Collector (RDC)
Improved functionality to better support and automate deployments leveraging Remote Data Collection functionality at scale:
- Added a notification and direction to push upgrades to RDCs once the central system has been upgraded to help ensure RDCs stay in sync.
- Added a feature to automatically push upgrades to multiple RDC servers with a single action from the DCS Management report.
- Added functionality to download capture and log files to assist with support issues related to data collections run on RDC systems. This can now be done directly from the application UI without requiring direct remote desktop access to the RDC running collections.

Client Protection Summary Report
This new report summarizes the most recent backup activity for each backup client, including:
- Backup server performing the backup
- Backup client protected, backup level (full, incremental, etc.)
- Type of backup (e.g. VMware image, MSSQL, Filesystem, etc.) when available
- Date of Backup
- Start Date/Time backup
- Byte count of backup
- Additional details and data points can be made available based on customer feedback.

Resolved Issues

Consecutive Days of Failure Report Alerting
Resolved the issue associated with the alerting based on the consecutive days of failure using the *Consecutive Failures (Days)* report.

HYCU
Updated the HYCU connector to improve collection and reporting of data points related to the job policy, schedule, byte count and target.

Microsoft DPM
Updated the Microsoft DPM connector to properly report on "DiskRec" points for all clients which were previously not collected.

The following features and enhancements were made available with the release of Bocada 24.3.09. This version is a Long Term Supported (LTS) release and will be supported in accordance with the [Support Terms](#).

New Features

Immutable Backup & Encrypted Data Reporting (Veeam)

Bocada Enterprise now provides additional cyber resilience capabilities by mining and reporting on backup data that is immutable and/or encrypted. The first version of this new report is specific to data backed up by Veeam Backup & Replication and will be extended to other supported backup applications in subsequent releases. This new report will help customers identify how well backups are protected from cyberattacks such as ransomware.

Enhancements

Data Domain: Immutability/Retention Lock

Extended the Rest API-based data collection to report on Mtree Immutability and Encryption attributes for storage device reporting.

Bocada Service Account No Longer Requires Admin Privileges

Previously, the service account used to install and run the Bocada Enterprise application required local administrative privileges. However, this was an installation barrier for some customers. Therefore, that requirement was changed from required to optional.

Bocada REST API

The filtering functionality in the Bocada Enterprise REST API has been updated for users to be able to add data to specific clients and date ranges.

Avamar

The Avamar connector now collects additional client data such as client version, client type and canonical client type for Media Inventory and Policy Collection reporting.

Cohesity

The Backup clients report now includes additional data from the Cohesity connector including client version and client platform.

Veritas NetBackup

Bocada Enterprise now collects additional data points from NetBackup, including "File List" & "Keyword" for improved policy reporting.

Rubrik

Improved the performance of the Rubrik connector by up to 50% when collecting data against extremely large environments.

Remote Data Collector (RDC)
The Remote Data Collector (RDC) installer service has been improved to streamline push updates.

Resolved Issues

Executive Summary
Fixed filtering issue when running the Executive Summary report with modified Backup Level criteria.

Connectors

- **AWS**: Enhanced data collection to leverage a separate API for AWS Backup secondary copy jobs so the results of the original backup and its copy are more accurately reported.
- **Commvault**: Resolved data inconsistencies between the MSSQL & API collection methods within the Commvault connector.
- **Commvault Metallic**: Fixed issues related to the REST API collection method where jobs with errors were incorrectly reported as successful instead of Partially Successful. Additionally, clients with multiple targets are no longer reported as multiple clients.
- **Veeam**: Resolved an issue where archival jobs were incorrectly reported as multiple backup clients in Bocada by adding additional tracking of the object related to the job.

Bocada Installer security
Additional password masking has been added into the installer logs during installation-time or run-time to ensure greater privacy.

The following features and enhancements were made available with the release of Bocada 24.2.08. This version is a Feature Release and will be supported in accordance with the [Support Terms](#).

New Features

Export Reports & Dashboards to SharePoint
Bocada Enterprise has added an integration with Microsoft SharePoint to enable users to automatically export Bocada reports and dashboards to a Microsoft SharePoint folder. This new option has been added to the "Schedule Report" and "Schedule Dashboard" features which currently support automated distribution via email.

Enhancements

Cohesity Data Collection
The Cohesity connector can now collect data from Cohesity clusters through API keys. This enhancement supports customers who have multi-factor authentication (MFA) requirements for their user accounts.

Data Domain: Data Collection via REST API
The Data Domain connector has been enhanced to collect storage device data via the REST API for customers who can't use the PuTTY method of data collection. This new API-based data collection also leverages the new and extensible storage reporting framework.

ConnectWise Integration Improvements
Bocada's integration with ConnectWise for automated ticketing has been updated to show the possible values for the priority field, as well as a single override for default priority. Additionally, users will be able to set zone-based assignments when tickets are created, which is often used by MSP customers to map their Bocada customer zones to the ConnectWise company field.

Remote Data Collector (RDC)
Bocada is investing in its Remote Data Collector (RDC) architecture. In this release, the RDC installer now automatically installs the upgraded package into the CDC package location so users can push out to RDC without reliance on support. Additionally, users can now add many RDC entries at once into the DCS Management report.

Closing Potential Vulnerabilities
Bocada has upgraded to the latest ODBC and .NET runtime versions to address potential security vulnerabilities that could exist with older versions of these tools.

UI/UX Enhancements
This release includes an improved user experience when adding rules and further standardization of UI components for greater consistency and usability across the application.

Resolved Issues

Zone assignments

Clients without zone assignments will be assigned to appropriate zones based on configured rules.

Connectors

- Acronis – fixed missing data issue during data collection.
- Commvault – resolved backup job byte collection issue, and updated connector to support new Commvault version 11.36.
- Microsoft DPM – resolved duplicate backup jobs displaying in UI.
- NetBackup – policy collection issue resolved.

Schedule Report & Dashboard Distribution

- Added a new field that will help users select an existing schedule group.
- Fixed the issue with the Schedule Dashboard function so it will automatically distribute enhanced dashboards.

Executive Summary with Email blocs

Fixed an issue so that the Executive Summary report will only include data from the zone that was requested or tagged in the email bloc configuration.

The following features and enhancements are now available with the release of Bocada 24.2.07. This version is a Feature Release and will be supported in accordance with the [Support Terms](#).

New Features

Storage Device and Backup Media Reporting
Bocada's new storage reporting framework that differentiates Storage Device reporting from Backup Media reporting is now visible in the UI for all customers who install this release. This was made available in the June 24.2.06 release to customers who wanted to enable it in their environments. Starting in July with this release, these reports will be visible in the UI for all customers.

1. In the new Storage Device module on the left navigation menu, customers will see three standard reports that show graphical views of current storage device utilization, trends, and details of data consumption across multiple devices for the device or primary storage location. This release includes reporting for two storage devices: **Dell PowerScale OneFS** and **Azure Storage Accounts**.
2. The existing storage device reports specific to AWS, Data Domain, VAST, StoreOnce and Google Cloud will display as they do today. These will be migrated onto the new framework and included in the three new standard reports in upcoming releases throughout the rest of 2024.

The Backup Media module on the left navigation menu will include the existing storage reports that display the storage view of Backup Media as tracked through each backup system.

Commvault Metallic
Taking advantage of newly exposed Commvault REST APIs, Bocada has converted data collection for the Commvault Metallic connector to vastly simplify, modernize and improve the quality of data collection.

Enhancements

Remote Data Collector (RDC)
Bocada is investing in its Remote Data Collector (RDC) architecture. In this release the RDC installation was enhanced to enable command-line installation of the RDC and all prerequisites, making it fully scriptable by any RMM tool and automating large scale MSP customer deployments.

Commvault Reporting
Bocada's connector to Commvault will now collect additional data points related to Copy jobs, including Retention, Expiration Date, and Last Success Backup Date.

UI/UX Enhancements

This release includes an improved UI and user experience when adding multiple backup servers in bulk using a CSV template.

Resolved Issues

Remote Data Collector (RDC)

Fixes were implemented to address a folder permissions issue that was preventing successful upgrades.

The following features and enhancements were made available with the release of Bocada 24.2.06. This version is a Feature Release and will be supported in accordance with the [Support Terms](#).

New Features

Storage Device and Backup Media Reporting

Bocada designed and implemented a new storage reporting framework that improves how storage data is collected and reported in Bocada Enterprise. This new framework differentiates storage consumption on Storage Devices from the view of Backup Media through the backup systems. Reporting from the storage device gives admins a layered view of utilization, trends, prediction and other functionality across the entire enterprise including cloud and on-prem, regardless of whether they are used as a destination for backup data.

This new framework differentiates Storage Device reporting from Backup Media reporting, providing a clearer picture of consumption and trends.

New features and functionality includes:

1. Support for Dell PowerScale OneFS (Isilon) and Azure storage devices.
2. Three new reports show graphical views of current utilization, detailed views of data consumption at the primary storage locations, and trends of utilization across multiple devices.
3. The storage module in the left navigation menu has been redesigned to better distinguish between the two types of storage reporting – Backup Media and Storage Device.

This new product offering is currently available to customers at no additional charge who want to take advantage of it by installing the 24.2.06 release and working with our Customer Success team to enable it in their environment(s).

NetBackup: Server Audit Reporting

Customers who have connected to Veritas NetBackup systems can now view NetBackup user activity in Bocada Enterprise through a new System Event Audit report.

Integration with Moogsoft

Bocada is supporting AI-powered IT operations through an integration with Moogsoft that enables customers to configure alerts that automatically create incidents in any ticketing system connected to the Moogsoft platform.

Enhancements

Performance Improvements
- Improved the load speed of reports that use zone-based criteria.
- Customers with very large data sets can choose to disable auto-loading of the default reports when selected from the left navigation menu. This can save time for users who will not have to wait for a large report to load before opening a saved report or configuring a new one by editing report criteria.

UI/UX Enhancements
Improved UI and user experience for the following functions: Backup Client Properties, Backup Client Rules, Administration of Users, Administration Rules, and Data Collection Get Logs & Capture Files.

Datto SaaS Protection
Improved data mapping for clients, targets and other key data points in the Datto SaaS Protection connector.

Resolved Issues

Commvault Connector
Added data fields to Bocada reports to maximize the data retrieved through the Commvault REST API.

Dashboard
Addressed issues with drill-down functionality, and the right click option now opens the selected dashboard in a new tab.

Veeam Storage Reporting
Veeam Storage Reporting now accurately mines and captures the information regarding Total Volume capacity and free space for all backup media pools.

Veeam Backup Data Collection
The backup data collection transaction logs more accurately capture the details of successful backup jobs with added filters.

The following features and enhancements are now available with the release of Bocada 24.2.05. This version is a Long-Term Supported Release and will be supported in accordance with the [Support Terms](#).

New Features

Dell Power Protect Cloud Snapshot Manager
Added support for Dell Power Protect Cloud Snapshot Manager to report on backup activity & policy configuration.

Synology Hyper Backup Connector
Added support for Synology Hyper Backup to report on backup activity.

Report Exporting in Excel Format
Expanded the ability for distribution of Bocada reports in Microsoft Excel (.xlsx) format to include sending via email and existing scheduled report distribution mechanisms.

Enhancements

Veeam Backup Repositories Report
Added report to provide media repository details such as Type, Host, and Path to assist with identification of media and audit submission.

Performance Improvements
Improved load time for reports such as Job Trends, Consecutive Failures, Failure Trends, and Backup Trends.

Bocada Installation
Removed requirement for .NET runtime 6.0.9 as it was superseded by the .NET 8.0.12 runtime that is already required and installed automatically.

Remote Data Collector (RDC)
Added centralized directories for logging related to RDC Installations:
- On the Central Data Collector (CDC): *…\Bocada\Application\Log*
- On the RDC: *…\Bocada\DataCollection\Log*

UI/UX Enhancements
Improved UI and user experience for Data Collection Alerts, Storage Alerts, Rules configuration.

Resolved Issues

Dashboard Improvements
Improved various aspects of the Bocada Dashboards:
- Improved the "add new widget" functionality
- Improved report load times within the dashboard

- Added option to open each dashboard in a new tab upon right-clicking
- "Send by email" is now working as expected

AWS Backup

Added Amazon Document DB as a Client Type. Improved reporting around S3 buckets which were only reported when snapshots were taken to add to the Inventory data collection and identify unprotected S3 Buckets.

Report Data Clarity

Changed the field name for Job ID and other reference(s) from *Description* in reports to *Job Reference* to better reflect the intent of the data.

The following features and enhancements are now available with the release of Bocada 24.1.04. This version is a Feature Release and will be supported in accordance with the [Support Terms](#).

New Features

Bocada User Audit
Added auditing capabilities to track changes made within the Bocada application, including the following modules:

- Scheduled Report Configurations
- DCS Management
- Backup Server Groups
- Backup Client Properties
- Add/Remove Users
- Saved Reports/Criteria
- Ticketing Instance Configuration (ITSM)
- Tag Management

Bocada Report Export Format
Added the option to download Bocada reports in Microsoft Excel (.xlsx) format.

Enhancements

Asset Inventory
- Added data collection for Azure and AWS tags along with the inventory data collection.
- Added inventory data collection for Azure Managed File shares to identify file shares without backup in addition to those already reported.

Asset Inventory: Tag Zoning
Added the ability to map native tags (from AWS, Azure, vCenter, etc.) to Bocada Zones for inventory assets. This was previously only available for resources with backup activity. The new automation increases visibility for unprotected resources.

Reports Performance Improvement
- Improved load times for reports using free-form filters in the criteria (dependent on the size of the data set). Report load times have decreased from minutes to a few seconds in some cases.
- Removed the Zones column (Including Zones criteria) from saved reports to improve load time performance.
- Job Activity Report performance has been improved significantly.

Create Case
Improved this feature by prompting the user to create a case via email when attempting to create a case without a valid Bocada Support Account ID. In this case, the support ticket can be created via email, but the customer should reach out to Bocada Support for a valid Account ID.

Resolved Issues

Remote Data Collection (RDC)
Fixed and improved various components of the Remote Data Collection architecture:
- Consolidated and centralized logging within the Bocada installation directories for Remote Data Collection installation and configuration, improving troubleshooting capabilities.
- Fixed an issue where version stamp on RDC entries in the DCS Management report was not updated properly to reflect the new version.

Installation & Upgrade
Fixed issue where newer versions of .NET Runtime 6.0.9 were not recognized, prompting installation of a later version, causing unnecessary steps and errors.

Schedule Report Dialog
Updated the Scheduled Report dialog to remove some restrictions:
- Updated it to ALLOW the creation of a scheduled report configuration using a report set as the Global Default behavior. The dialog will continue to block creation from the default Template and prompt user to save the current report.
- Email address, subject, and scheduled configuration are no longer required when Email Blocs are being configured.

The following features and enhancements were made available with the release of Bocada 24.1.03. This version is a Feature Release and will be supported in accordance with the [Support Terms](#).

New Features

Datto Connector
Added support for Datto data collection and backup reporting.

New Audit Module
The Audit module will have multiple categories and subcategories with links to different types of audit reports, making it easy for users to find the reports and data they require.

Bocada User Audit
Added auditing capabilities for Bocada Alerts & Backup Server configuration creation and changes.

Enhancements

vCenter Inventory
Enhanced inventory data mining to include additional data for Resource Type, Power State, and IP Address, improving visibility and filtering when automating identification of protected and unprotected resources.

AWS Inventory – Account ID
Added a field to the inventory reports to identify the *AWS Account ID* in addition to a concatenated field that includes the *Account Name – Account ID*.

Resolved Issues

AWS S3 Bucket Reporting
Addressed reporting gaps in backup data mining for AWS S3 Buckets, including mining tags associated with the S3 buckets, bytes protected (to identify size), and setting client type to S3 rather than "other". Also improved inventory mining to include S3 Buckets as inventory resources to enable identification of unprotected buckets.

Executive Summary – Improved Performance
Improved the time to render report data for all cases but even more substantially in large-scale environments where the report previously would time-out after an hour of waiting.

Saved Report Scheduling
Added an alert in the Schedule Report dialog to prevent users from scheduling saved reports set as the "Global Default". Disabling the scheduling of global default reports helps prevent users from inadvertently changing saved report criteria of reports previously scheduled for distribution.

Version 24.1.02

February 15, 2024

The following features and enhancements were made available with the release of Bocada 24.1.02. This version is a Feature Release and will be supported in accordance with the Support Terms.

New Features

Bocada Auditability
Configuration changes made by users in Bocada are now logged and can be seen in an audit report. The report shows changes made including additions, updates, and deletions, and identifies who made each change, when it was made, and includes the old and new values. Audited Bocada features include zones, zone types, rules, rule groups, schedules, user error categories, user error category items, prune options, product keys, and email blocs.

Veeam Restore Audit Report
Added a report that details all Veeam restores and relevant information including the backup server, original date of backup that was restored, restore date, restored resource (client) status, reason, and user who initiated the restore activity.

Enhancements

Improved Reports Performance
Updated Job Trends, Consecutive Failures, Failure Trends, and Executive summary reports to run significantly faster, especially in large scale environments.

Enhanced Dashboard
The new enhanced dashboard can now be dynamically filtered to instantly rotate through different data sets leveraging Bocada zones. Additionally, email blocs functionality has now been integrated into the dashboard to automate distribution of targeted datasets via email.

Scheduling Reports
The scheduled report mechanism has been redesigned to reduce complexity and streamline the workflow when configuring report distribution. Additionally, reports can now be distributed on a quarterly schedule.

NetWorker Rest API
Improved reporting using the new REST API method, including mapping of Differential backups, improved reporting of job messages including detailed failure information, and simplification of the Backup Server properties when adding a connection to a new NetWorker server.

Power Protect Data Manager (PPDM)
Improved reporting of VMs backed up within a single VMware backup job so they can be reported individually as Bocada backup clients. Additionally, improved the accuracy of data in the Bocada Job Group field to reflect the policy and vCenter server in those cases.

The following features and enhancements were made available with the release of Bocada 24.1.01. This version is a Long Term Supported (LTS) release and will be supported in accordance with the [Support Terms](#).

New Features

ServiceNow Ticketing
Added an option in the incident auto-close feature to link the backup level of successful jobs to the backup level of the failed jobs that originally opened the incident. For example, only a successful full backup can close a ticket opened for a full backup failure.

Enhancements

Enhanced Dashboard
Implemented style updates, including new icons to improve discoverability and usability.

Inventory Analysis Reports
Updated Veeam and AWS connectors to prevent creation of new backup clients without backup activity. This change improves the accuracy of the Protected and Unprotected Inventory reports by preventing correlation between inventory and backup resources when backups have not been attempted.

Executive Summary Report
Added a column to identify the backup server when the report is summarized by backup client.

Commvault
Added mining of "Media Type" during backup activity data collection to identify the type of media each backup is written to (tape, disk, cloud, etc.).

Druva Phoenix
Added data mining of the vCenter information for VMware workloads for reporting in the *Job Group* field in Bocada reports.

Resolved Issues

Inventory Data Collection (CMDB)
Fixed an issue where inventory clients were not being assigned to zones created during CMDB data collection.

Storage Protect (aka Spectrum Protect or TSM)
- Corrected status for multi-VM backup jobs so that failed or partial backup of one VM does not impact the status of the backup for other VMs backed up successfully within the same job.
- Fixed issue where Transaction Log backups were reported with the level of *Partial* instead of *Transaction Log*.
- Removed certain verbose logging from UI presentation.

Technical Support

For technical support or if you would like a copy of our standard support agreement, please contact us.

E-mail: support@bocada.com

Web: **https://www.bocada.com/support/**

On the web you will find:

- Online knowledge base
- Product documentation
- You can open a support ticket if you have been added to the portal