



# COMPREHENSIVE DATA PROTECTION IN THE PUBLIC CLOUD

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**Automating Backup Monitoring & Inventory  
Validation To Safeguard Critical Resources**

## INTRODUCTION

Migrating to cloud-based data protection isn't a matter of if but when. The speed, flexibility, and best-in-class technology afforded by cloud technology makes this transition inevitable.

However, these digital transformations do not eliminate critical data protection challenges like being certain that data and high priority resources are fully protected, and wholly available in the event of a data recovery event. In fact, these transformations can add greater environment complexity making data protection confidence that much harder.

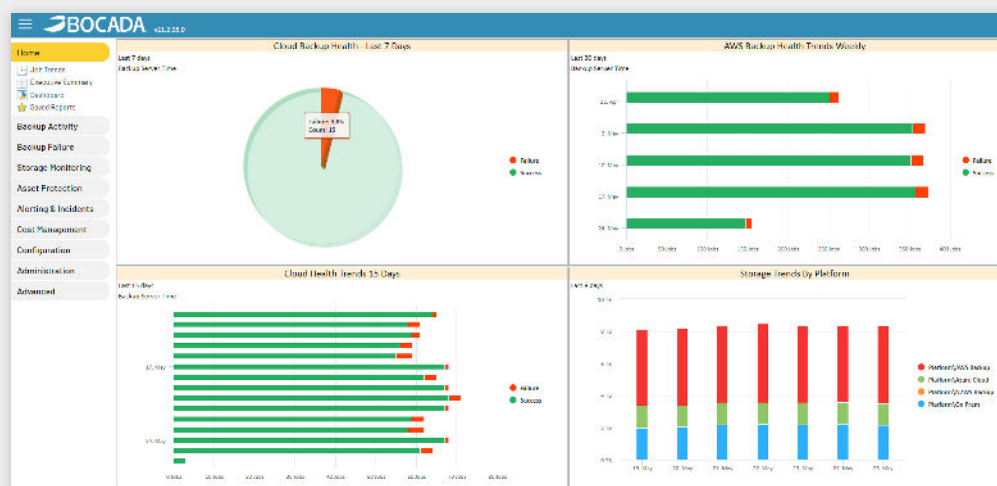
This dynamic is why industry-leading enterprises and MSPs leverage Bocada. By bringing precise, near real-time oversight over cloud data protection via an automated reporting suite, Bocada gives teams managing backup and data protection the peace of mind that comes with knowing cloud resources have the right backup protections in place.

## GETTING AHEAD OF DAY-TO-DAY MONITORING & REPORTING WITH AUTOMATION

Staying on top of backup operations means regularly reviewing prior backup activity to ensure that backup policies are correctly executed, SLA guidelines are met, and that anything standing in the way of these overarching targets is addressed immediately.

**Centralized Views Of Entire Environments** Because speed and efficiency are so key in staying ahead of data protection issues, traditional manual backup data collection, aggregation, and normalization is too cumbersome and time intensive. Bocada automates this process so that you can view backup performance for all key cloud solutions—AWS, Azure, Druva, Rubrik, Cohesity, N2WS—as well as legacy on prem systems via a single dashboard. With this central command center, you can monitor hybrid-cloud and multi-cloud environments as well as blended cloud and on-prem infrastructures.

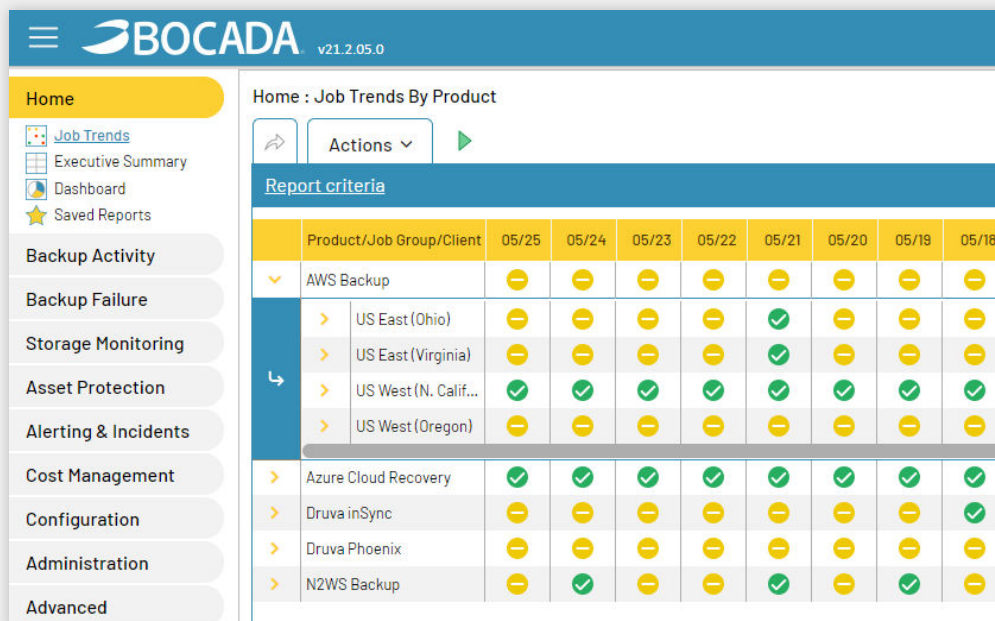
**Performance Dashboards** At-a-glance views are a critical first step in making broader assessments of cloud backup health. Rolled up performance data found in Bocada's executive summary reports lets you quickly visualize overall health, ensure you're hitting key service delivery guidelines, and pinpoint potential trouble areas that need further attention. Dashboard views also offer a real-time summary for internal or external stakeholders for complete backup environment health visibility.



**Image 1.**  
Summary  
Dashboard

**Hyper-Tailored Views Of Complex Environments** No enterprise backup environment is the same. Between the use of different backup products, as well as server set ups across geographies, business units, or other dimensions, each environment is truly unique. With Bocada's built-in zoning feature, you can quickly segment environments by these key components to visualize performance for each targeted segment. This gives your cloud data protection team yet another way to more efficiently oversee environments and more quickly pinpoint backup activity that needs further attention.

**Automated, Daily Reporting** To ensure that operations are running smoothly, you can program Bocada to send automated performance reports to your inbox every single day. By completely removing the need for daily manual data collection and aggregation you can instead reallocate this time to broader oversight and management.



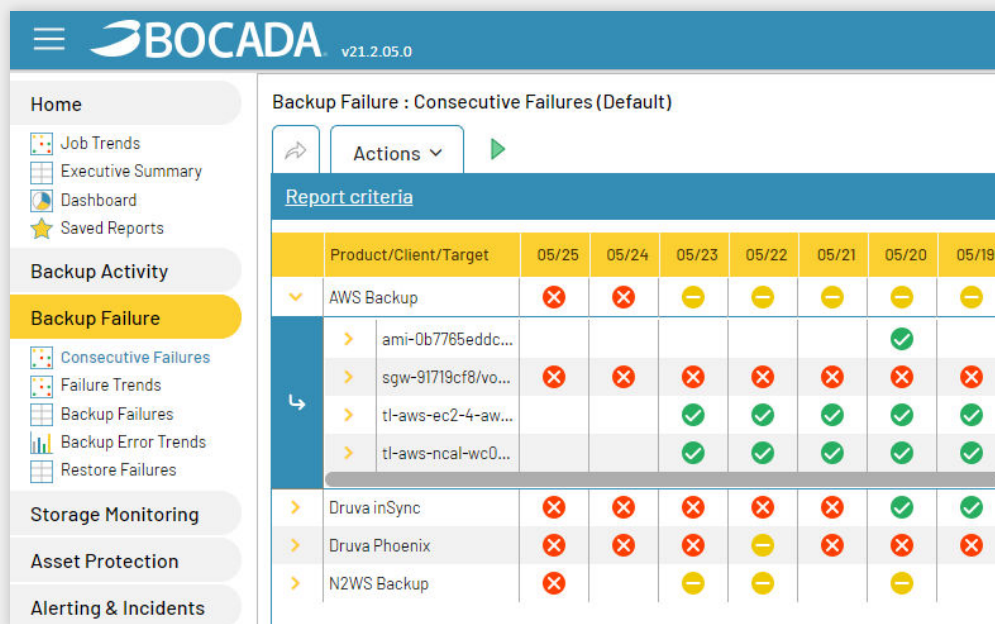
Home : Job Trends By Product

Report criteria

	Product/Job Group/Client	05/25	05/24	05/23	05/22	05/21	05/20	05/19	05/18
▼	AWS Backup	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
>	US East (Ohio)	⊖	⊖	⊖	⊖	✓	⊖	⊖	⊖
>	US East (Virginia)	⊖	⊖	⊖	⊖	✓	⊖	⊖	⊖
↳	US West (N. Calif...)	✓	✓	✓	✓	✓	✓	✓	✓
>	US West (Oregon)	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
>	Azure Cloud Recovery	✓	✓	✓	✓	✓	✓	✓	✓
>	Druva inSync	⊖	⊖	⊖	⊖	⊖	⊖	⊖	✓
>	Druva Phoenix	⊖	⊖	⊖	⊖	⊖	⊖	⊖	⊖
>	N2WS Backup	⊖	✓	⊖	⊖	✓	⊖	✓	⊖

**Image 2.**  
Job Trends  
Report

**Targeted Failure Identification** One key Bocada report that drives backup operations efficiency is the automated consecutive failures report. By receiving a tailored report that isolates cloud backups that repeatedly fail despite several attempts, backup teams have a ready-made punch list that optimizes where they spend their time to resolve underlying issues that could stand in the way of meeting key backup success levels.



Report criteria		05/25	05/24	05/23	05/22	05/21	05/20	05/19
Product/Client/Target								
▼	AWS Backup	✗	✗	—	—	—	—	—
>	ami-0b7785eddc...						✓	
>	sgw-91719cf8/vo...	✗	✗	✗	✗	✗	✗	✗
>	tl-aws-ec2-4-aw...			✓	✓	✓	✓	✓
>	tl-aws-ncal-wc0...			✓	✓	✓	✓	✓
>	Druva inSync	✗	✗	✗	✗	✗	✓	✓
>	Druva Phoenix	✗	✗	✗	—	✗	✗	✗
>	N2WS Backup	✗		—	—		—	

**Image 3.**  
Consecutive  
Failures Report

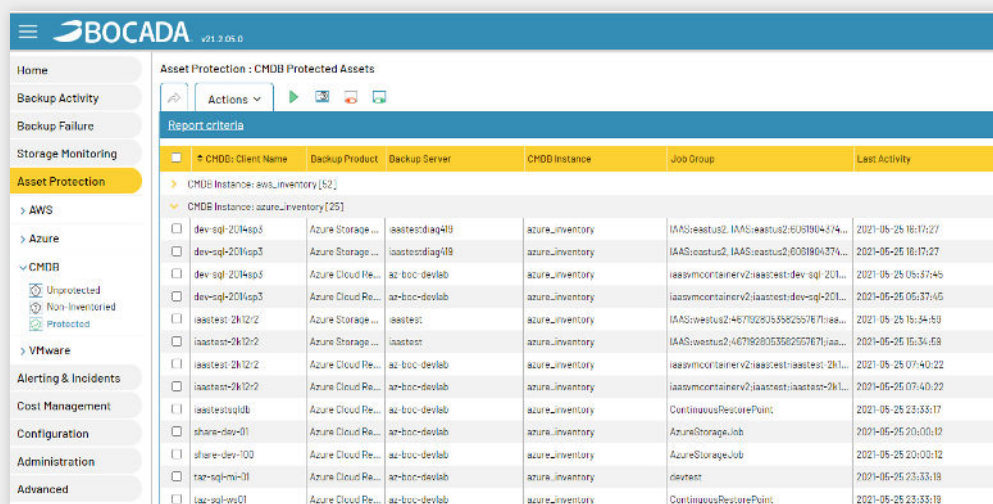
**Critical Failure Alerting** As valuable as customized, daily reporting is, proactive teams know that sometimes waiting until a report is opened and reviewed to learn a key backup failed may be too late. That's why they also use Bocada's critical failure alerting. By receiving an alert the moment a key backup failure is automatically identified, teams can immediately review the failure event and evaluate solutions.

**Audit Reports At The Ready** With customized, pre-programmed reports available via Bocada, your data protection audits can now take minutes instead of days. Whether your organization needs to share information with compliance auditors on a monthly or yearly basis, or something else entirely, just program your audit report templates in advance, and schedule delivery at your needed cadence.

## STREAMLINING HOLISTIC DATA PROTECTION WITH AUTOMATION

Strong cloud data protection isn't just about day-to-day management of backups. Rather, it requires a holistic approach to overseeing cloud backup health that leverages automation to minimize the chance of any data being left unprotected.

**Cloud Asset Protection** Bocada's AWS and Azure protection reports allow data protection teams to automatically identify AWS and Azure cloud resources with no backup policies in place. By making these reports part of everyday monitoring processes, your team can extend classic backup oversight to also include identifying and flagging unprotected cloud resources.



The screenshot shows the Bocada v21.2.05.0 interface. The left sidebar contains navigation links: Home, Backup Activity, Backup Failure, Storage Monitoring, Asset Protection (selected), AWS, Azure, CMDB (with sub-links for Unprotected, Non-Inventoried, and Protected), VMware, Alerting & Incidents, Cost Management, Configuration, Administration, and Advanced. The main content area is titled 'Asset Protection - CMDB Protected Assets' and includes a 'Report criteria' section. Below this is a table with columns: CMDB Client Name, Backup Product, Backup Server, CMDB Instance, Job Group, and Last Activity. The table lists various cloud resources, including AWS S3 buckets and Azure Storage accounts, with their respective backup statuses and last activity timestamps.

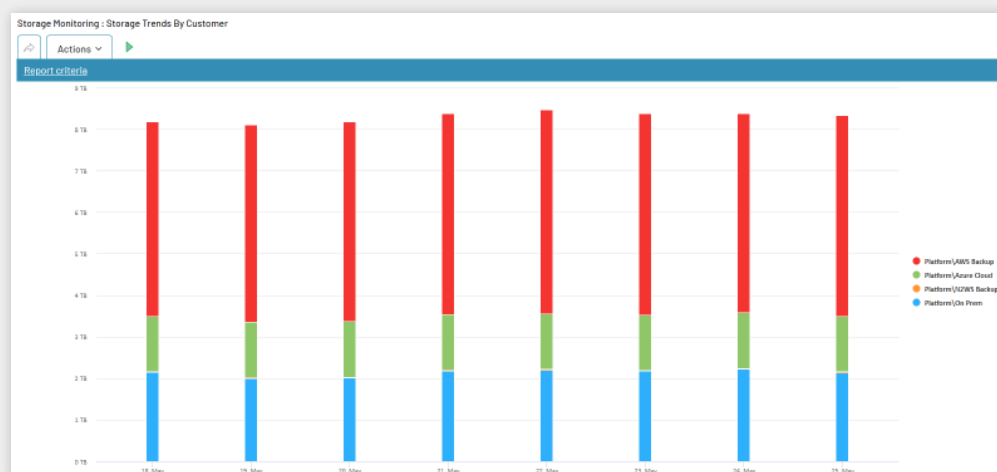
CMDB Client Name	Backup Product	Backup Server	CMDB Instance	Job Group	Last Activity
dev-sql-2014sp5	Azure Storage ...	laastestdiag419	azure_inventory	IAAS:laastest2, IAAS:laastest2,6091804374...	2021-05-25 16:17:27
dev-sql-2014sp3	Azure Storage ...	laastestdiag419	azure_inventory	IAAS:laastest2, IAAS:laastest2,6091804374...	2021-05-25 16:17:27
dev-sql-2014sp5	Azure Cloud Res...	az-boc-devlab	azure_inventory	laasvmcontainerv2:laastestdev-sql-201...	2021-05-25 05:57:45
dev-sql-2014sp3	Azure Cloud Res...	az-boc-devlab	azure_inventory	laasvmcontainerv2:laastestdev-sql-201...	2021-05-25 05:57:45
laastest-2k12/2	Azure Storage ...	laastest	azure_inventory	IAAS:laastest2,467828353582557671:laa...	2021-05-25 15:34:59
laastest-2k12/2	Azure Storage ...	laastest	azure_inventory	IAAS:laastest2,467828353582557671:laa...	2021-05-25 15:34:59
laastest-2k12/2	Azure Cloud Res...	az-boc-devlab	azure_inventory	laasvmcontainerv2:laastest:laastest-2k1...	2021-05-25 07:40:22
laastest-2k12/2	Azure Cloud Res...	az-boc-devlab	azure_inventory	laasvmcontainerv2:laastest:laastest-2k1...	2021-05-25 07:40:22
laastestsql06	Azure Cloud Res...	az-boc-devlab	azure_inventory	ContinuousRestorePoint	2021-05-25 23:55:17
share-dev-01	Azure Cloud Res...	az-boc-devlab	azure_inventory	AzureStorageJob	2021-05-25 20:00:12
share-dev-100	Azure Cloud Res...	az-boc-devlab	azure_inventory	AzureStorageJob	2021-05-25 20:00:12
raz-sql-mi-01	Azure Cloud Res...	az-boc-devlab	azure_inventory	daytest	2021-05-25 23:33:18
laa-sql-mi-01	Azure Cloud Res...	az-boc-devlab	azure_inventory	ContinuousRestorePoint	2021-05-25 23:33:18

**Image 4.**  
Asset Protection  
Report

**Automated Inventory Validation & Protection** To further extend your data protection oversight, connect your configuration management databases, or CMDBs, with backup data in Bocada. With this connection in place, you can now automate the otherwise manual process of comparing backup clients to CMDB assets. This allows you to both identify unprotected assets and update CMDBs with inventory that may not have been known. This automated process means finding unprotected assets faster and eliminating data protection risks that much quicker.

**Automated Ticketing For Faster Resolutions** Another key way for cloud data protection teams to ensure complete backup protection is by automating ticketing processes. With automated ticket creation, assignment, and status tracking available in Bocada, backup failures get fixed faster than ever before, and critical resources stay protected.

**Proactive Cybersecurity Protection** With Bocada's bytes variance report, you can identify potential cybersecurity threats as they happen. Designed to automatically identify unusual backup byte activity like above-average increases or decreases in the bytes associated with particular backup jobs, this report helps to identify malware or ransomware activities that would otherwise continue under the radar.



**Image 5.**  
Storage Trends  
Report

**Storage Oversight** While cloud data protection means no longer running the risk of insufficient storage, it can result in another problem entirely: unfettered storage usage and storage cost overruns. With Bocada's automated storage trend reports, you can proactively identify trends in excess cloud storage usage and develop storage strategies to moderate cost. Further, with our built-in storage spike alerting, you have one more tool in place to get ahead of storage challenges.

## CONCLUSION

Gone are the days when data protection meant making backup copies of your data. Between ever-growing technology complexity and cyberattacks increasing in frequency, enterprise and MSP data protection teams need to be adaptable, proactive, and holistic in how they oversee critical data.

That means using comprehensive automation tools and techniques to centralize monitoring and resolve data protection challenges faster. With an industry-leading solution like Bocada, your cloud data protection team can go well beyond just hitting basic backup performance metrics so that your organization can be assured that critical data is fully protected.





## About Bocada

Bocada LLC, a global IT Automation leader, delivers backup reporting and monitoring solutions that give enterprises complete visibility into their backup performance. Bocada provides insight into complex backup environments, enabling IT organizations to save time, automate ongoing reporting activities, and reduce costs. With the largest installed customer base in the Fortune 500, Bocada is the world's leading provider of backup reporting automation.

For more information, visit [www.bocada.com](http://www.bocada.com)