

Improving Data Protection Service Delivery

Bocada Enterprise 5.4 is the latest version of the award-winning data protection management software from Bocada.

Bocada Enterprise provides IT and data protection teams the information necessary to continuously advance the effectiveness of data protection operations.

Bocada Enterprise and the Bocada Data Protection Service Management (DPSM) Model help organizations ensure data recoverability, improve services delivery, reduce risk and significantly lower overall data protection costs.

The visibility and insight provided by Bocada Enterprise and the DPSM Model enables IT organizations to reach operational excellence by:

- Consistently improving backup system performance.
- Enabling timely, successful data recovery.
- Satisfying regulatory compliance and audit requirements.
- Communicating results across the enterprise.
- Lowering TCO.

Bocada Enterprise 5.4 New Features

Policy Data Collection and Reporting

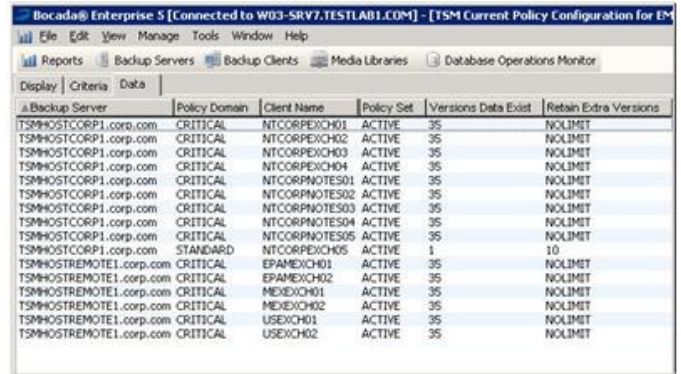
Bocada Enterprise 5.4 introduces centralized policy data collection and reporting.

- Captures information on numerous aspects of server and policy configuration including schedules, storage, client details.
- Easily deployed with agentless, scalable data collection across the environment.
- Utilize zoning functionality for grouping and distribution of information by application, region, priority, etc.
- Save and publish policy reports along with backup activity, SLA and occupancy reporting.
- Initial support for IBM TSM and Symantec NetBackup applications.

Benefits of Policy Mining

- Improve recoverability
 - Ensure retention rates meet RPO goals – backups could be completing successfully but not meeting the needs of the business.
 - Identify unintentional “inactive” policies to be aware of clients that have stopped being protected.
- Help meet SLA goals
 - Determine if policies support business requirements.
 - Ensure consistent SLA offerings.
- Enhance communication with internal/external customers
 - Review policies as part of service catalog/SLA negotiations
 - Publish policies with SLA results
- Provide audit trails for compliance and change management
 - Track historical records of changes made to policies

- Reduce overall costs
 - Identify “over-protected” clients consuming excess storage capacity and network bandwidth.
 - Free up administrative hours spent manually tracking policy configurations

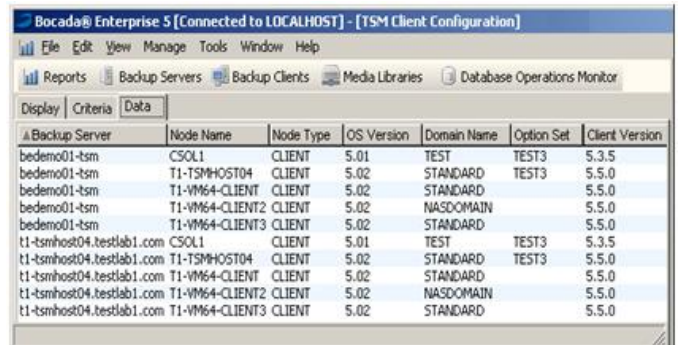


Backup Server	Policy Domain	Client Name	Policy Set	Versions Data Exist	Retain Extra Versions
TSMHOSTCORP1.corp.com	CRITICAL	NTCORPEXCH01	ACTIVE	35	NOLIMIT
TSMHOSTCORP1.corp.com	CRITICAL	NTCORPEXCH02	ACTIVE	35	NOLIMIT
TSMHOSTCORP1.corp.com	CRITICAL	NTCORPEXCH03	ACTIVE	35	NOLIMIT
TSMHOSTCORP1.corp.com	CRITICAL	NTCORPEXCH04	ACTIVE	35	NOLIMIT
TSMHOSTCORP1.corp.com	CRITICAL	NTCORPNOTES01	ACTIVE	35	NOLIMIT
TSMHOSTCORP1.corp.com	CRITICAL	NTCORPNOTES02	ACTIVE	35	NOLIMIT
TSMHOSTCORP1.corp.com	CRITICAL	NTCORPNOTES03	ACTIVE	35	NOLIMIT
TSMHOSTCORP1.corp.com	CRITICAL	NTCORPNOTES04	ACTIVE	35	NOLIMIT
TSMHOSTCORP1.corp.com	CRITICAL	NTCORPNOTES05	ACTIVE	35	NOLIMIT
TSMHOSTCORP1.corp.com	STANDARD	NTCORPEXCH05	ACTIVE	1	10
TSMHOSTREMOTEL.corp.com	CRITICAL	EPAMEXCH01	ACTIVE	35	NOLIMIT
TSMHOSTREMOTEL.corp.com	CRITICAL	EPAMEXCH02	ACTIVE	35	NOLIMIT
TSMHOSTREMOTEL.corp.com	CRITICAL	MEXEXCH01	ACTIVE	35	NOLIMIT
TSMHOSTREMOTEL.corp.com	CRITICAL	MEXEXCH02	ACTIVE	35	NOLIMIT
TSMHOSTREMOTEL.corp.com	CRITICAL	USEXCH01	ACTIVE	35	NOLIMIT
TSMHOSTREMOTEL.corp.com	CRITICAL	USEXCH02	ACTIVE	35	NOLIMIT

Figure 1 : With a centralized view of key policy attributes, poorly configured policies will quickly become apparent. In this example, the customer has a policy which is keeping only one backup version of critical email data.

Policy Configuration Reports (Figure 1) provides a centralized view into important policy configuration components.

- Determine if the current policies support recoverability goals .
- Determine if the current policies are active.
- Ensure consistent policies across application type.
- Provide visibility to end users on how the assets are being protected.



Backup Server	Node Name	Node Type	OS Version	Domain Name	Option Set	Client Version
bedemo01-tsm	CS0L1	CLIENT	5.01	TEST	TEST3	5.3.5
bedemo01-tsm	T1-TSMHOST04	CLIENT	5.02	STANDARD	TEST3	5.5.0
bedemo01-tsm	T1-VM64-CLIENT	CLIENT	5.02	STANDARD	TEST3	5.5.0
bedemo01-tsm	T1-VM64-CLIENT2	CLIENT	5.02	NASDOMAIN	TEST3	5.5.0
bedemo01-tsm	T1-VM64-CLIENT3	CLIENT	5.02	STANDARD	TEST3	5.5.0
t1-tsmhost04.testlab1.com	CS0L1	CLIENT	5.01	TEST	TEST3	5.3.5
t1-tsmhost04.testlab1.com	T1-TSMHOST04	CLIENT	5.02	STANDARD	TEST3	5.5.0
t1-tsmhost04.testlab1.com	T1-VM64-CLIENT	CLIENT	5.02	STANDARD	TEST3	5.5.0
t1-tsmhost04.testlab1.com	T1-VM64-CLIENT2	CLIENT	5.02	NASDOMAIN	TEST3	5.5.0
t1-tsmhost04.testlab1.com	T1-VM64-CLIENT3	CLIENT	5.02	STANDARD	TEST3	5.5.0

Figure 2 : Keep track of out of date versions and other client settings to drive more consistent configurations in the environment. In this example, notice that two of the clients are running older client versions of the backup software.

Client Configuration Reports provides a centralized view into important client configuration metrics. (Figure 2)

- Identify out-of-date client and operating system versions that should be top priority for upgrades.
- Identify clients associated with multiple policies resulting in wasted resources.
- Identify under or over-protected assets.

Bocada Enterprise 5.4 Additional Features

Updated plug-in support for latest versions of the following applications:

- TSM 6.1
- CA ARCserve 12.5
- HP Data Protector 6.1

Introduction of reporting functionality for:

- Syncsort Backup Express*
- GAP Solution* – the Generic Application Plug-In (GAP) module allows customers to import backup activity data from any application, provided that it is formatted into a .csv file.

**Not covered under standard maintenance agreement and require a professional services order.*

About Bocada

Bocada provides automated insight and visibility into data protection processes, enabling IT organizations to confidently analyze data recoverability, predict risk vulnerability and identify opportunities for cost reduction. Based on patented, agent-less technology, Bocada solutions deploy rapidly and scale to meet the demands of the largest multi-vendor data protection environments. More than 400+ brand-name customers and partners worldwide trust Bocada for their data protection operations, including Microsoft, Unilever and Valero Energy. Headquartered in Kirkland, Washington, Bocada is privately held and funded by leading venture investors. For more information visit: www.bocada.com.