

NetBackup™ IT Analytics Licensing Guide

Contents

Introduction.....	3
EULA & PUR.....	3
Licensing Options.....	3
Licensing Offerings and Requirements.....	3
Self-Managed (on-premise) Offerings.....	3
IT Analytics Protection	3
IT Analytics Storage Management.....	4
IT Analytics Complete.....	4
IT Analytics as a Service Offerings.....	4
IT Analytics as a Service	4
IT Analytics as a Service Protection.....	4
Additional Licensing Options	4
IT Analytics Shared Services Edition.....	4
IT Analytics Partitioning.....	5
Oracle Database Licensing for IT Analytics	5
Disaster Recovery	5
IT Analytics Protection App for ServiceNow	6
IT Analytics Protection	6
IT Analytics Storage Management.....	7
IT Analytics Complete.....	8
Support and Maintenance.....	8
Entitlement	8
Channel Availability	8

Introduction

IT Analytics Licensing Guide (Licensing Guide) is a reference document designed for use by Cohesity partners and customers. The Licensing Guide describes licensing concepts and options available for IT Analytics and provides details that can help guide the customer to purchase the appropriate IT Analytics license for the customer's specific environment. For any questions or comments about this guide please contact your Cohesity representative.

EULA & PUR

Please note that this Licensing Guide is to be used for reference purposes only. For details on the specific license rights provided under a particular IT Analytics product offering, refer to the applicable IT Analytics End User License Agreement (EULA) and IT Analytics Product Usage Rights (PUR), which are available on the company's website on the [Product License Agreement page](#), under the Current Agreements tab, and under the IT Analytics section.

Licensing Options

A **subscription or term-based license** allows customers to license the product during a specified period of time (either 12, 24, 36, 48 or 60 months); maintenance/support is included in the price of the subscription. During the term of the subscription, customers have the right to use the product, install product updates provided as part of maintenance/support, and receive technical support. Customers do not own the license, but they will have all the entitlements of ownership as long as they have a current subscription. At the end of the term, customers can renew the subscription to continue using the product.

Licensing Offerings and Requirements

IT Analytics is a suite of products that enables you to gain control and understanding of your IT Infrastructure by delivering actionable insights and reporting across your heterogeneous IT infrastructure.

Self-Managed (on-premise) Offerings

IT Analytics Protection

Protection provides backup reporting and analytics for enterprise data protection environments for greater visualization and enhanced control of enterprise backup and restore environments. Protection helps users gain insight on how to plan, manage and optimize storage allocated to virtual systems to improve efficiency and reduce costs in their virtual infrastructure.

Protection licensing is a capacity-based model using the amount of data protected per terabyte by any backup application from which data is collected. This model is commonly referred to as capacity licensing or Front-End Terabyte (FETB) licensing. This model enables customers to license Protection based on how much data is protected rather than the number of clients, agents, or shares.

IT Analytics Protection, Front End TBs may include, without limitation, any storage from the following: master servers, library manager servers, media servers and clients, virtual clients and any Cloud assets. If IT Analytics Protection is used to support Oracle Recovery Manager ("RMAN") environments, the Front-End TB is included for each database instance that is contained within the underlying Oracle RMAN Recovery Catalog(s). The IT Analytics Protection includes support for any ESX hosts (plus all virtual machines guests on such hosts) that are utilizing Front End TBs under license.

IT Analytics Storage Management

Storage Management provides capacity reporting for enterprise storage environments including on-prem and in the cloud. Storage Management helps users gain insight on how to plan, manage and optimize storage allocated to virtual systems to improve efficiency and reduce costs in their virtual infrastructure. Administrators can get a 360-degree view of their storage capacity utilization—from the hosts, applications, and storage arrays—through comprehensive reports.

A customer is only required to license the amount of raw storage from storage arrays (plus (i) any virtualized storage if applicable, (ii) the Utilized TBs collected from Host systems and (ii) the Utilized TBs from Cloud assets) where the Licensed Software is used to collect data. IT Analytics Storage Management includes support for any Fiber Channel switch ports and ESX hosts (plus all VM guests on those hosts) that are utilizing TBs under license.

IT Analytics Complete

Complete is a bundle of Protection and Storage Management products. Complete also includes File Analytics feature which allows customers to visualize information stored within the file systems in the form of file meta data from Windows CIFS shares, primary Windows servers, Linux servers and NetBackup™ Backup catalogues.

A customer is required to license the amount of raw storage from storage arrays (plus any virtualized storage if applicable) and the Utilized TBs from Cloud assets where the Licensed Software is used to collect data. IT Analytics Complete includes support for any Fibre Channel switch ports and ESX hosts (plus all virtual machine guests on such hosts) that are utilizing TBs under license. Every Raw TB of IT Analytics Complete license includes and is limited to a maximum of: (i) 0.5 FETBs of IT Analytics Protection; (ii) 1.0 Utilized TBs of IT File Analytics; and/or (iii) 1.0 Utilized TBs collected from Host systems or virtual machine/environments not otherwise utilizing TBs under license.

IT Analytics as a Service Offerings

IT Analytics as a Service

IT Analytics as a Service is a basic reporting and alerting solution offered to active maintenance customers of NetBackup and/or DataProtect with active maintenance. Customers only need to provide proof of support and open a support case to be provisioned in one of several offered global locations. Licensing is based on the license usage for DataProtect and/or NetBackup.

IT Analytics as a Service Protection

IT Analytics as a Service Protection increases Data Protection supported vendors beyond Cohesity DataProtect and NetBackup with includes additional Data Collector Policies. Customers who purchase Alta View IT Analytics will receive additional reporting and alerting capabilities, additional cyber resiliency and customer report functionality. IT Analytics as a Service Protection licensing is backend capacity-based model using the amount of data protected per terabyte by any backup application from which data is collected. This model is referred to as Back-End Terabyte (BETB) licensing. Back-End terabyte (BETB) licensing measures usage based on the amount of protected data stored after deduplication and compression, calculated at the platform's backend (not the raw "front-end" or source data size). BETB calculation is not included in the initial release and will be introduced in a future update.

Additional Licensing Options

IT Analytics Shared Services Edition

IT Analytics Shared Services Edition allows licensing in an Oracle shared services environment. The customer is required to provide their own Oracle license. This license could be part of a shared or customer Oracle managed environment or it could be an Oracle license, provided by the customer that is dedicated to and used by IT Analytics software.

IT Analytics Partitioning

IT Analytics Partitioning allows the underlying database to split large tables into partitions improving database performance and scalability. IT Analytics Partitioning leverages the Oracle Enterprise Edition Database with Partitioning. Once a customer either elects to license IT Analytics Partitioning or is required to because of Oracle Database Standard Edition 2 license requirements, all products must be licensed as IT Analytics Partitioning products.

Oracle Database Licensing for IT Analytics

- **Embedded Oracle Database**

With the exception of IT Analytics Shared Services Edition, IT Analytics includes an embedded Oracle database. This embedded database license is restricted: it may only be used with IT Analytics software and cannot be accessed separately.

- **Certification and Compliance**

IT Analytics software is certified for use only with the Oracle binaries embedded in the product. The embedded database must follow Oracle Database Standard Edition 2 license requirements:

- Usage is limited to servers (including ESX servers) with up to 2 physical CPU sockets, regardless of whether they are populated.

Using any non-embedded version of Oracle (for example, a separate Oracle instance) is not a certified configuration and is prohibited by the license.

- **Partitioning License**

If your IT Analytics license explicitly includes Partitioning, the embedded database is Oracle Database Enterprise Edition with Partitioning. Usage must comply with Oracle Database Enterprise Edition with Partitioning license terms. Non-embedded Oracle installations are not permitted under this license.

- **Shared Services Editions**

For IT Analytics Shared Services Editions an embedded Oracle database is not provided or licensed. Customers using these editions are responsible for purchasing and licensing the Oracle database required to operate the software.

Disaster Recovery

A Disaster Recovery (DR) License is required if a customer deploys a 2nd or subsequent copy of any product from the IT Analytics suite of software on a 2nd or subsequent Portal server for the purpose of disaster recovery, availability, or fail-over from production. A DR (Disaster Recovery) License is required for each of the individual products that the customer licenses.

For example, an IT Analytics Protection DR License is required if you wish to deploy a DR Portal and you have purchased IT Analytics Protection. The DR Portal does not have to be online or active. They may be deployed as a cold standby for the customer's production portal.

In cases where the customer has purchased the IT Analytics Complete and one or more other IT Analytics products, the customer is only required to purchase a DR License for IT Analytics Complete which will cover the ability to use any IT Analytics licensed product(s) for DR purposes, rather than a DR license for each individual IT Analytics product(s).

IT Analytics Protection App for ServiceNow

The IT Analytics Protection App for ServiceNow allows IT Analytics Protection detected backup issues to automatically create incidents in ServiceNow. Users in ServiceNow can see the key issue details such as client, policy, error number/message, and so on to quickly resolve the problem. Backup details, incident numbers, and status are automatically synchronized between the IT Analytics Protection and ServiceNow applications to provide the full audit trail required for compliance.

IT Analytics Protection

IT Analytics Protection provides backup reporting and analytics for enterprise data protection environments for greater visualization and enhanced control of enterprise backup and restore environments. Users can gain insight on how to plan, manage and optimize storage allocated to virtual systems to improve efficiency and reduce costs in their virtual infrastructure by complementing their virtual management consoles with Virtualization Manager's simple web-based reporting.

These are some of the features IT Analytics Protection provides:

1. Historical tracking and trending, real-time dashboards, future forecasting and predictive analysis of enterprise data protection environments.
2. Real-time job and schedule "command center" monitoring dashboards.
3. Real-time notification and visualization of your entire backup environment.
4. Tape drive and tape library utilization and performance tracking and trending.
5. Tape media and capacity planning and utilization reporting.
6. Success and failure metrics with reporting down to individual files or folders within any backup.
7. Service-level tracking, trending, and notifications.
8. Storage resource optimization and efficient utilization.
9. Financial, quota, and chargeback reporting for the ultimate enterprise backup utility.
10. 100% web browser client providing greater user access.
11. View current physical storage capacity making up the virtualized environments. Additionally, see how this storage is allocated to the physical servers hosting virtual machines.
12. Get a clear picture of your entire existing virtual environment and the resources that each component is using.
13. Understand physical storage resources that have been assigned directly to a virtual machine (VMware™ ESX® raw device mapping) and the storage capacity allocated and used.
14. See all of your virtual machines and determine quickly if each virtual machine has the right number of resources needed to meet performance objectives.
15. Identify potential contention issues that directly affect the performance of a virtual machine.
16. Produce chargeback reports based on virtual machine consumption levels with associated costs based on user-defined pricing.
17. Forecast how your data protection storage is growing or shrinking at an individual virtual machine level.

IT Analytics Storage Management

IT Analytics Storage Management provides capacity reporting for enterprise storage environments. Using IT Analytics Storage Management, administrators can get a 360-degree view of their storage capacity utilization—from the hosts, applications, and storage arrays—through comprehensive reports. It maximizes storage utilization, improves capacity planning, and reduces costs. Improve SAN management efficiency and gain control of your SAN plus it lets you easily visualize your SAN topology, proactively manage & monitor changes to the SAN fabric, and optimize SAN performance by identifying performance bottlenecks that can affect mission-critical applications. Users can gain insight on how to plan, manage and optimize storage allocated to virtual systems to improve efficiency and reduce costs in their virtual infrastructure by complementing their virtual management consoles with Virtualization Manager's simple web-based reporting.

These are the key benefits that IT Analytics Storage Management provides

1. Reduce spending on new storage by maximizing utilization of existing storage.
2. Identify over-provisioned storage or orphaned LUNs that can be reclaimed for other storage users.
3. See historical and current host storage usage as well as predict growth in the future.
4. View historical and current array capacity and predict growth in the future.
5. See the historical and current storage consumption from applications and predict growth trends for the future.
6. Ensure that each application has the optimal allocated storage for it based upon current and historical usage levels.
7. View application storage usage vs. allocation levels to gain a better understanding of each application's true consumption levels.
8. View current physical storage capacity making up the virtualized environments. Additionally, see how this storage is allocated to the physical servers hosting virtual machines.
9. Get a clear picture of your entire existing virtual environment and the resources that each component is using.
10. Understand physical storage resources that have been assigned directly to a virtual machine (VMware™ ESX® raw device mapping) and the storage capacity allocated and used.
11. See all your virtual machines and determine quickly if each virtual machine has the right number of resources needed to meet performance objectives.
12. Identify potential contention issues that directly affect the performance of a virtual machine.
13. Produce chargeback reports based on virtual machine consumption levels with associated costs based on user-defined pricing.
14. Forecast how your storage is growing or shrinking at an individual virtual machine level.
15. View all the components comprising the SAN—servers, switches, and storage systems.
16. Drill down to see exact switch configurations and connectivity.
17. Trace paths through the SAN to determine current routing.
18. Render graphs of SAN from the physical server or virtual server to the storage system.
19. Identify complete path and port information through the SAN.
20. List SAN fabric changes for specific time periods.

21. Analyze how changes affect the SAN.
22. View I/O response times, queue depths, throughput, and read/write statistics.
23. Determine if errors are creating performance issues.
24. Load balance the SAN ports on storage arrays to ensure consistent performance.
25. Monitor and alert on ISL performance.

IT Analytics Complete

IT Analytics Complete includes all the feature sets of both IT Analytics Protection and IT Analytics Storage Management [see above feature descriptions] plus it contains the File Analytics component which allows customers to visualize information stored within the file systems in the form of file meta data from Windows CIFS shares, primary Windows servers, Linux servers and NetBackup™ Backup catalogues.

Support and Maintenance

All support and maintenance offerings are Essential and Basic or Verified, where available. Cohesity Enterprise Support Services provides a portfolio of flexible offerings designed to optimize IT infrastructure and manage IT risk. Please visit the following links for more details:

- [Cohesity Enterprise Support page](#)

Entitlement

All IT Analytics customers with current maintenance/support are eligible for free-of-charge upgrades to the latest version. For each licensable feature purchased by the customer, the customer is entitled to the equivalent offering in the latest IT Analytics version.

Channel Availability

IT Analytics is available via the Cohesity distribution channel worldwide. For further details on channel availability in a specific country or region, please contact the local channel organization.

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