



Compass[®]

Compass Tape Gateway User Guide

April 2026

Table of Contents

Overview 1

Initial Setup 1

 Prerequisites 1

 Enabling Permissions for Additional Users.....2

Creating Virtual Tape Libraries 2

 Defining VTL elements in the Wizard 2

 Managing Existing Virtual Tape Libraries 6

Viewing and Editing the Virtual Tape Library Details 7

Reports.....13



Overview

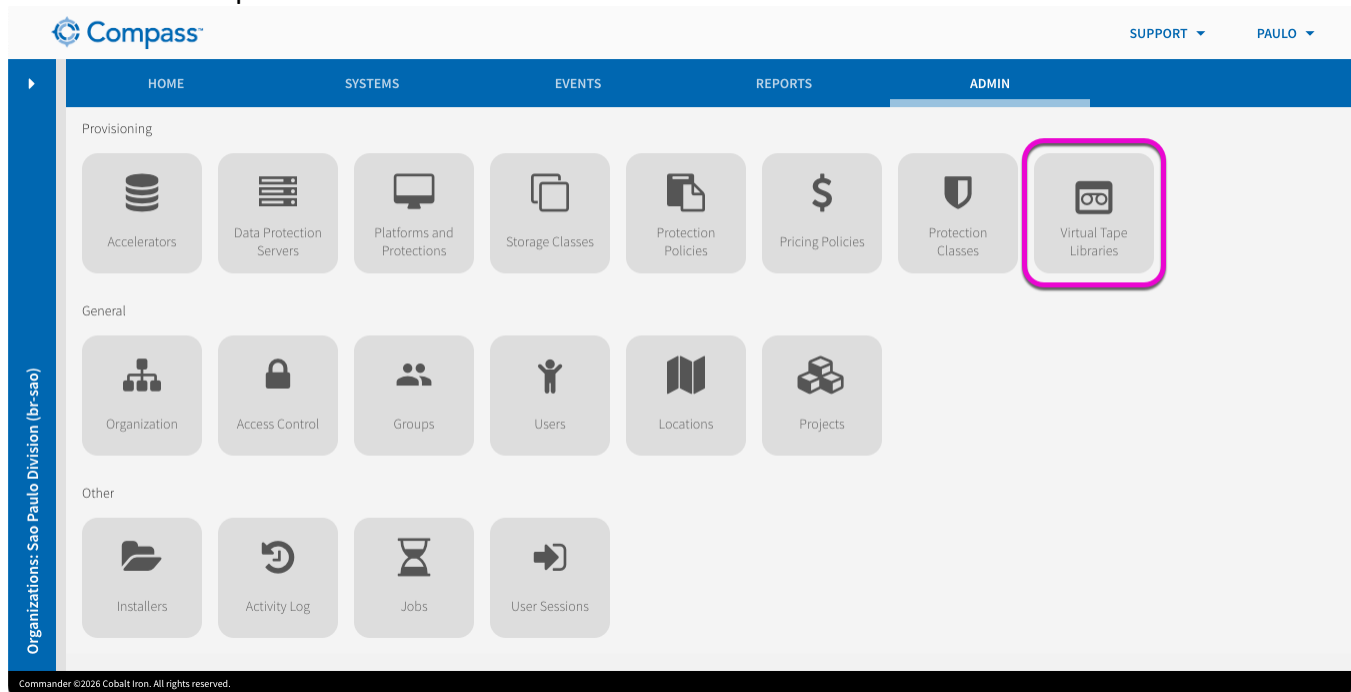
Compass Tape Gateway (CTG) allows the creation of virtual tape libraries (VTLs) in Compass. This provides comprehensive virtual tape library capabilities including support for iSCSI tape library, drive, and volume commands. As a result, in addition to all of its other supported platforms, backup data can now be ingested into Compass via tape operations (for example, via IBMi BRMS or SAV operations).

Compass Tape Gateway consolidates tape-based backup operations, traditionally isolated in tape silos, with the rest of enterprise backup operations. It also supports multitenancy at tape ingest allowing dynamic sharing of Compass resources.

Initial Setup

PREREQUISITES

Your Compass Administrator will automatically be given access to create and manage new VTL in Commander. Your Compass Administrator may then designate additional users that can view or manage VTL properties and configuration. Prior to accessing Compass CTG features, ensure you can see the Virtual Tape Libraries tile on the Commander Admin screen.





ENABLING PERMISSIONS FOR ADDITIONAL USERS

You must have permissions from the following permission groups enabled to interact with virtual tape drives:

- Virtual Tape Drive Types
- Virtual Tape Library
- Virtual Tape Library Type
- Virtual Tape Type

Creating Virtual Tape Libraries

Virtual tape libraries can be created from the Admin tab's Virtual Tape Libraries tile or from the Accelerator Details page. Regardless of which page you start from, the Create Virtual Tape Libraries wizard allows you to enter the relevant details for the VTL.

The screenshot shows the Compass Admin interface. The top navigation bar includes 'HOME', 'SYSTEMS', 'EVENTS', 'REPORTS', and 'ADMIN'. The 'ADMIN' tab is selected, and the breadcrumb trail shows 'Admin > Accelerators'. The main content area is titled 'civsa917' and has tabs for 'DETAILS', 'MANAGEMENT', 'SERVICES', 'PROTECTION CLIENTS', and 'VTL'. The 'VTL' tab is active, displaying a table of Virtual Tape Libraries. The table has columns for Name, Description, DPS, Serial Number, and Status. There are four entries, all with 'Online' status. Below this table is a section for 'Secondary Virtual Tape Libraries' which is currently empty, showing the message 'No secondary virtual tape libraries'.

Name	Description	DPS	Serial Number	Status
civsa917-g158	x1	civia917	CIVSA917G158	Online
civsa917-g145	El VTL de Felipe	civia917	CIVSA917G145	Online
civsa917-g113	DWG Test	civia917	CIVSA917G113	Online
civsa917-g157	ajk20260323	civia917	CIVSA917G157	Offline

Secondary Virtual Tape Libraries

No secondary virtual tape libraries

DEFINING VTL ELEMENTS IN THE WIZARD

To create a new VTL instance, navigate to the Virtual Tape Libraries tile in the Admin tab and click Add to open the Create Virtual Tape Library wizard. Alternatively, you can click Add in the Virtual Tape Libraries panel on the Accelerator Details page.



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Organizations: Sao Paulo Divisio...

HOMESYSTEMSEVENTSREPORTSADMIN

Admin

Virtual Tape Libraries

Add new virtual tape library instance

(Showing 1 result)

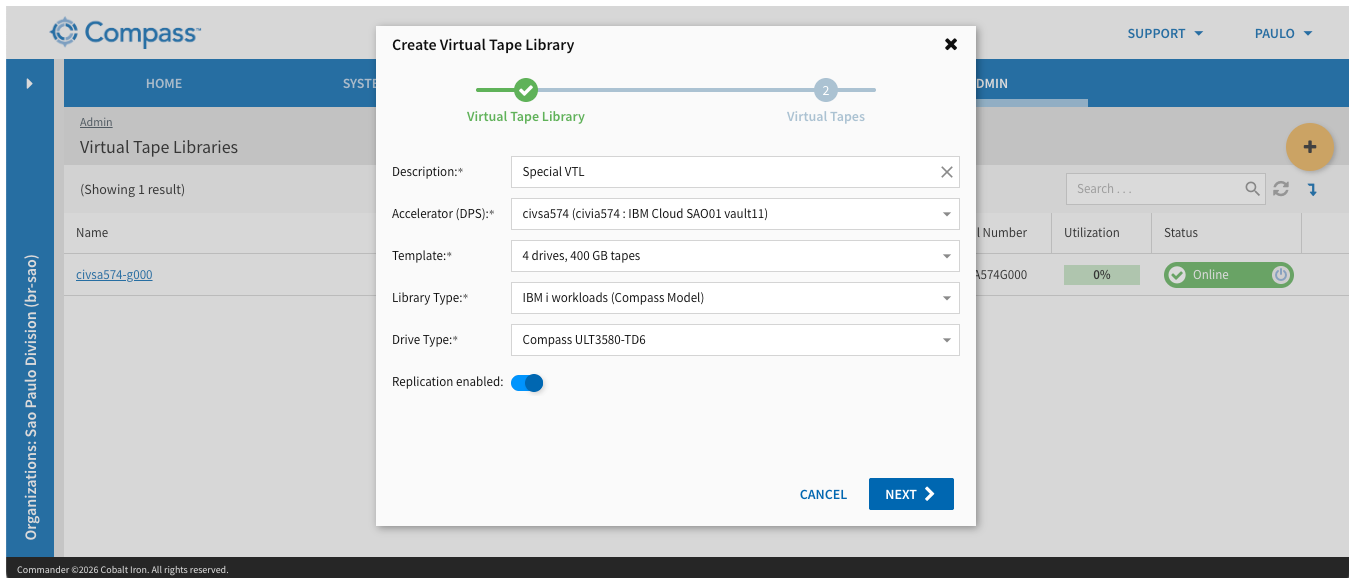
Search ...

Name	Description	Accelerator	DPS	Serial Number	Utilization	Status
civsa574-g000	Sao Paulo VTL	civsa574	civsa574	CIVSA574G000	0%	Online

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The Create Virtual Tape Library wizard has two sections: Virtual Tape Library and Virtual Tapes.

1. In the Virtual Tape Library section, enter the details below, then click Next.
 - a. Description: The name of the VTL
 - b. Accelerator/DPS: The accelerator and data protection server where the VTL is to be created. If you opened the Create Virtual Tape Library module from the Accelerators tile, this field is completed by default.
 - c. Library Type: The Library type emulation to use
 - d. Drive Type: The Drive type emulation to use
 - e. Quantity (Displayed when an accelerator is selected)
 - f. Replication Enabled: This indicates that a second copy of VTL data is to be replicated to another target Accelerator



2. In the Virtual Tapes section, enter the details below, then click Create Library.

- a. Barcode prefix: Tape label prefix to use for tape volumes
- b. First Tape Number: Starting number for tape volume numbering
- c. Number of Tapes: How many virtual tapes to create
- d. Media: Tape media type to emulate
- e. Max Tape Capacity: Capacity of virtual tape volumes
- f. Protection Class: The Protection Class policy to assign to these virtual tapes



Create Virtual Tape Library

Virtual Tape Library Virtual Tapes

Barcode prefix:* BRR

First tape number:* 1

Number of tapes:* 555

Media:* LTO 6

Protection class:* CTG VTL Protection Class

← BACK CANCEL CREATE LIBRARY

Number	Utilization	Status
civsa574-g000	0%	Online

3. From the Virtual Tape Libraries details page, review your entries and enter any other required data.



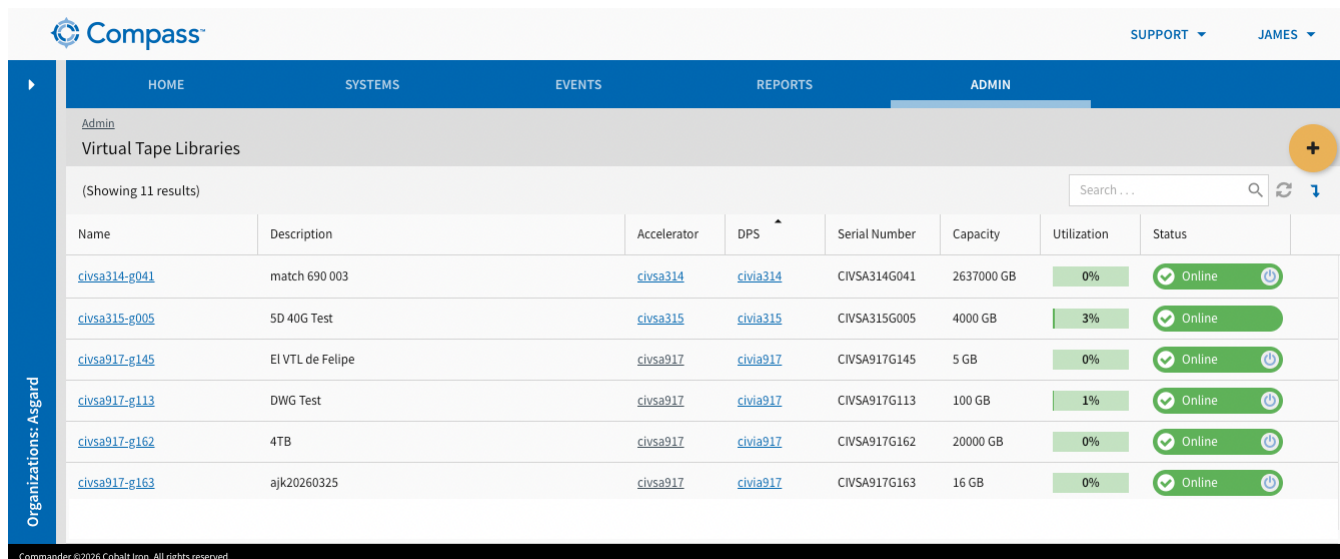
MANAGING EXISTING VIRTUAL TAPE LIBRARIES

You can view and manage your existing tape libraries in the Admin Tab's Virtual Tape Libraries tile.

Opening the Virtual Tape Libraries tab displays the VTL grid. The columns below are displayed in the VTL grid by default.

- Name: A link to the Virtual Tape Libraries details page.
- Description: The description of the VTL
- Accelerator: A link to the Accelerator details page.
- DPS: The data protection server on which the VTL is created
- Serial Number: VTL serial number
- Utilization: Percentage of the tape data used in relation to tape data capacity
- Status: The Status button conveys the current status of the library. The Status button contains a power button. Clicking the power button allows you to select a new status. The actions available depend on the current state of the library.
 - Online: The VTL is powered on and fully functional
 - Take Offline: Keep the VTL powered on, but take the changer offline

- Power Off: The VTL will be powered off and unavailable for all functions
- Offline: The VTL is powered-on, but the changer is offline
- Installed: The VTL exists, but is not powered-on
- Removed: The VTL is uninstalled



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Admin

Virtual Tape Libraries

(Showing 11 results)

Name	Description	Accelerator	DPS	Serial Number	Capacity	Utilization	Status
civsa314-g041	match 690 003	civsa314	civsa314	CIVSA314G041	2637000 GB	0%	Online
civsa315-g005	5D 40G Test	civsa315	civsa315	CIVSA315G005	4000 GB	3%	Online
civsa917-g145	EI VTL de Felipe	civsa917	civsa917	CIVSA917G145	5 GB	0%	Online
civsa917-g113	DWG Test	civsa917	civsa917	CIVSA917G113	100 GB	1%	Online
civsa917-g162	4TB	civsa917	civsa917	CIVSA917G162	20000 GB	0%	Online
civsa917-g163	ajk20260325	civsa917	civsa917	CIVSA917G163	16 GB	0%	Online

Organizations: Asgard

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Viewing and Editing the Virtual Tape Library Details

The Virtual Tape Library Details page contains all relevant data for the virtual tape library. You must select the VTL name in the Name column of the grid and be in Edit mode on the details page to update the virtual tape library details, except for starting, stopping, or removing the secondary instance.

The Status button conveys the current status of the library. The Status button contains a power button. Clicking the power button allows you to select a new status. The actions available depend on the current state of the library.

The Virtual Tape Libraries tab is separated into four or five tabs, depending on whether there is a secondary instance of the library.

LIBRARY

The Library tab shows the details for the VTL. The following details are displayed in the tab:

- Name
- Identifier
- Serial Number
- Model
- Description
- Accelerator (DPS)

- 
- Protected Dataset Size
 - Stored Dataset Size
 - Deduplication Ratio

The Sync to External button triggers a new Sync VTL job to refresh the data from the server.

PRIMARY

The Primary tab contains information on the primary instance of the library. It is separated into two sections, the details and the cabinet. In the cabinet section, tapes can be moved and added.

Details section

The details section contains the fields below and the Target Configuration panel.

- Name
- Identifier
- Accelerator/DPS
- Client Password
- DPS Connections

The Target Configuration panel provides target IP address, port information, and CHAP secret for establishing iSCSI protocol authentication. The toggles for the changer and drives limit access to the contents of the cabinet.

Upon VTL creation through CTG, Target Configuration is populated by default. New iSCSI listeners can be added by clicking (+) in the Target Configuration panel header while in Edit mode.



1

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HOMESYSTEMSEVENTSREPORTSADMIN

Admin > Virtual Tape Libraries

civsa672-g000

LIBRARYPRIMARYJOBSCHANGE HISTORY

Name: civsa672-g000Identifier: cid00105-civsa672-g000-vtl-00

Accelerator (DPS): civsa672 (civsa672 - Cobalt Iron CTG DPS 01)

Target Configuration

Target Name	Address	Port	CHAP Secret	Changer	Drive 3	Drive 4	Drive 2	Drive 5	Drive 1
<-> iqn.2000-06.com.cobaltiron:civsa672-g000-1	10.126.0.17	3261	•	Yes	Yes	Yes	Yes	Yes	Yes

TAPES (20)DRIVES (5)STORAGE (201)I/O (30)

+ ADD=Online

(Showing 20 results)

Search ...

Barcode	Utilization	Location	Last Used	Primary Backup Date	Flush Errors
ML0001	11%	Storage slot 1	07/28/2025 10:20 AM	--	0
ML0002	6%	Storage slot 2	07/28/2025 10:22 AM	--	0

Organizations: Railroad Enterprises

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Cabinet section

The Cabinet section contains the tabs described below. When you are in Edit mode, you can click + Add to add tapes to the library.

- Tapes tab

TAPES (5)DRIVES (4)STORAGE (201)I/O (30)SESSIONS

+ ADD=Online

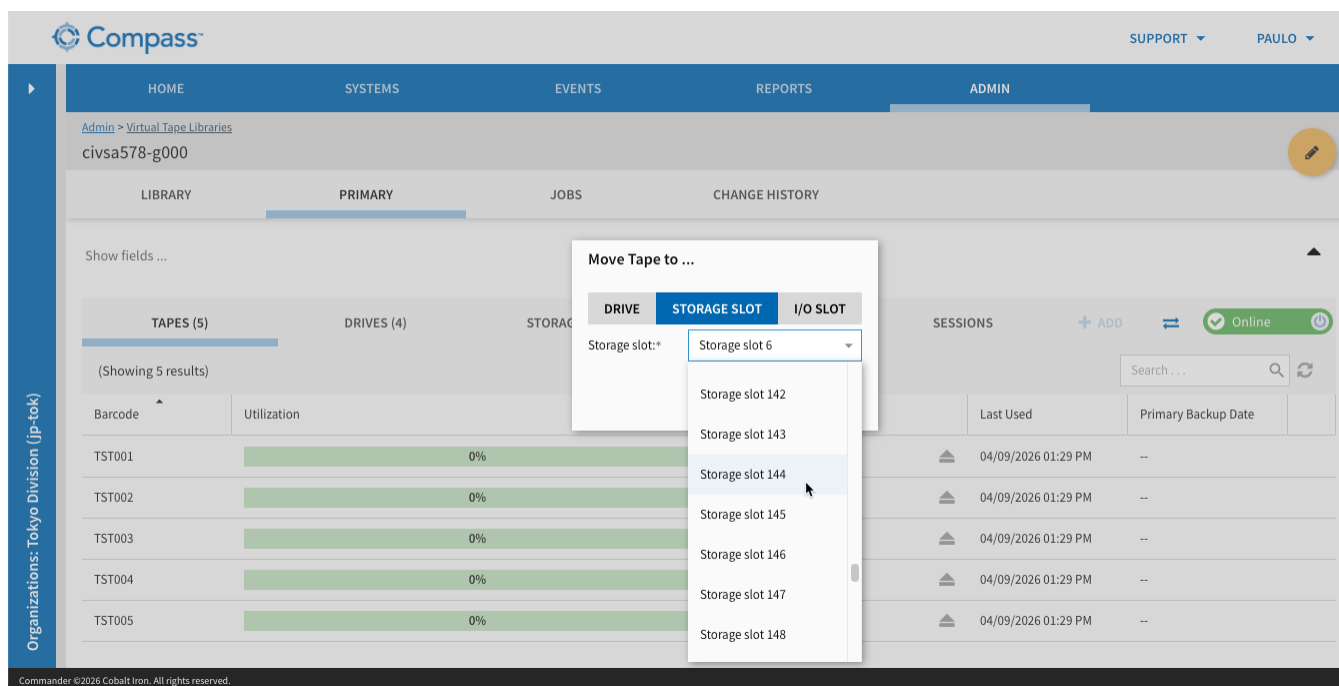
(Showing 5 results)

Search ...

Barcode	Utilization	Location	Last Used	Primary Backup Date
TST001	0%	Storage slot 1	04/09/2026 01:29 PM	--
TST002	0%	Storage slot 2	04/09/2026 01:29 PM	--
TST003	0%	Storage slot 3	--	--
TST004	0%	Storage slot 4	04/09/2026 01:29 PM	--

Move tape from current location

- Tapes can be moved to a different cabinet section by clicking the Eject button. This opens the Move Tape To module where you can move the tape to a drive, storage slot, or I/O slot.



- Adding Tapes
 - In Edit mode, click + Add to open the Add Tapes box. You will be prompted to refresh the tape data. In the Add Tapes box, enter the following information and click OK.
 - Barcode Prefix
 - First Tape Number
 - Number of Tapes
 - Media
 - Max Tape Capacity

- Drives tab: Shows the contents of each drive in the cabinet

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Admin > Virtual Tape Libraries

civsa578-g000

LIBRARY PRIMARY JOBS CHANGE HISTORY

Show fields ...

TAPES (5) DRIVES (4) STORAGE (201) I/O (30) SESSIONS

(Showing 4 results)

Search ...

LUN	Name	Mounted Tape	Serial Number	Element Address	Notes	Type
1	Drive 1		A578G00000	257		Compass ULT3580-TD6
2	Drive 2		A578G00001	258		Compass ULT3580-TD6
3	Drive 3		A578G00002	259		Compass ULT3580-TD6
4	Drive 4		A578G00003	260		Compass ULT3580-TD6

Organizations: Tokyo Division (jp-tok)

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- Storage tab: Shows the contents of each tape contained in its specific slot

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Admin > Virtual Tape Libraries

civsa677-g001

LIBRARY PRIMARY JOBS CHANGE HISTORY

Show fields ...

TAPES (409) DRIVES (12) STORAGE (14970) I/O (30) SESSIONS

1 - 1000 1001 - 2000 2001 - 3000 3001 - 4000 4001 - 5000 5001 - 6000 6001 - 7000 7001 - 8000 8001 - 9000 9001 - 10000 10001 - 11000 11001 - 12000 12001 - 13000 13001 - 14000 14001 - 14970

NEW001 HUND03 HUND04 MAX013 MAX014 MAX015 MAX016 MAX017 MAX018 MAX019 MAX020 MAX021 MAX022

MAX023 MAX024 MAX025 MAX026 MAX027 MAX028 MAX029 MAX030 MAX031 MAX032 MAX033 MAX034 MAX035

MAX036 MAX037 MAX038 MAX039 MAX040 MAX041 MAX042 MAX043 MAX044 MAX045 MAX046 MAX047 MAX048

MAX049 MAX050 MAX051 MAX052 MAX053 MAX054 MAX055 MAX056 MAX057 MAX058 MAX059 MAX060 MAX061

MAX062 MAX063 MAX064 MAX065 MAX066 MAX067 MAX068 MAX069 MAX070 MAX071 MAX072 MAX073 MAX074

MAX075 MAX076 MAX077 MAX078 MAX079 MAX080 MAX081 MAX082 MAX083 MAX084 MAX085 MAX086 MAX087

MAX088 MAX089 MAX090 MAX091 MAX092 MAX093 MAX094 MAX095 MAX096 MAX097 MAX098 MAX099 MAX100

MAX101 MAX102 MAX103 MAX104 MAX105 MAX106 MAX107 MAX108 MAX109 MAX110 MAX111 MAX112 MAX113

Organizations: Tokyo Division (jp-tok)

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- I/O tab: Input/output slots for the virtual cabinet

The screenshot shows the Compass web interface for a virtual tape library. The top navigation bar includes links for HOME, SYSTEMS, EVENTS, REPORTS, and ADMIN. The left sidebar shows the organization name "Organizations: Tokyo Division (jp-tok)". The main content area displays the "I/O (30)" tab, which shows a grid of input/output slots. The grid is organized into columns for TAPES (5), DRIVES (4), STORAGE (201), and SESSIONS. The "I/O (30)" tab is currently selected, and it shows a grid of 30 slots, each with a number and a status indicator. The status indicators include "Online" and "Offline".

- Sessions tab: Contains information on the date, time, and amount of data used in in previous tape sessions

The screenshot shows the Compass web interface for a virtual tape library. The top navigation bar includes links for HOME, SYSTEMS, EVENTS, REPORTS, and ADMIN. The left sidebar shows the organization name "Organizations: Rochester". The main content area displays the "SESSIONS" tab, which contains a table of session information. The table has columns for Id, Initiator Name, Initiator Address, Start Time, End Time, Last Update, Bytes Rx, and Bytes Tx. The table shows three sessions, each with a unique Id and Initiator Name.

Id	Initiator Name	Initiator Address	Start Time	End Time	Last Update	Bytes Rx	Bytes Tx
175	iqn.1924-02.com.ibm:ibmi.55195513b8944645ba5a9dacdc0639c1-i0	9.5.168.32	04/09/2026 02:53 PM	--	04/09/2026 02:53 PM	864 B	2.5 KB
176	iqn.1924-02.com.ibm:ibmi.55195513b8944645ba5a9dacdc0639c1-i0	9.5.168.32	04/09/2026 03:07 PM	--	04/09/2026 03:07 PM	864 B	2.5 KB
177	iqn.1924-02.com.ibm:ibmi.55195513b8944645ba5a9dacdc0639c1-i0	9.5.168.32	04/11/2026 08:19 PM	--	04/11/2026 08:19 PM	864 B	2.5 KB



SECONDARY

The Secondary tab contains information on the secondary instance of the library if a secondary instance has been installed. If no secondary instance has been installed, the tab is not displayed. The following fields are displayed in the tab:

- Accelerator/DPS
- HBA Port
- Instance Backup Date - The date of the most recent backup of the VTL instance and the date that most recent backup was replicated. Replication of backups occur independently.
- Running Status - Instances are either Running or Not Running. Click Start or Stop to change the status.

JOBS

The Jobs tab contains the jobs associated with the library with the following details:

- Name - A link to the Jobs Detail page
- Message
- Progress
- Start Time
- Duration
- Delete - Click the trash can to delete the job.

CHANGE HISTORY

You can view the change history of the virtual tape library.

Reports

The following reports are available to be provisioned with CTG:

- Virtual Tape Library Details: Provides the asset and configuration information about a VTL
- Virtual Tape Library Tape Volumes: Provides information about the tape volumes within a VTL



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