FAST LTA
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SB Connectivity Veritas Backup Exec 20 - Backup to Tape

This guide describes the steps for setting up Veritas Backup Exec for the use with the FAST LTA Silent Brick Library in Tape mode.

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VERITAS™

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INTRODUCTION

This guide describes the steps for setting up Veritas Backup Exec for the use with the FAST LTA Silent Brick Library in Tape mode.

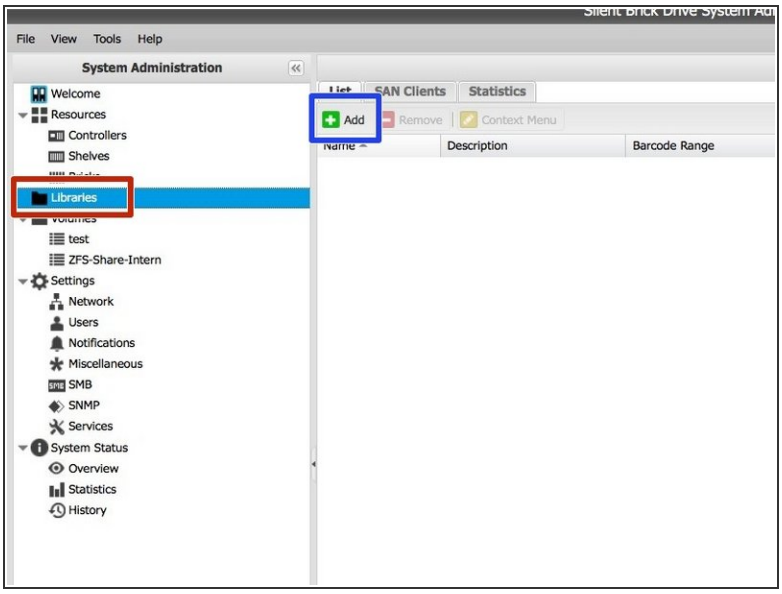
This guide was created with Veritas Backup Exec Version 20.6.

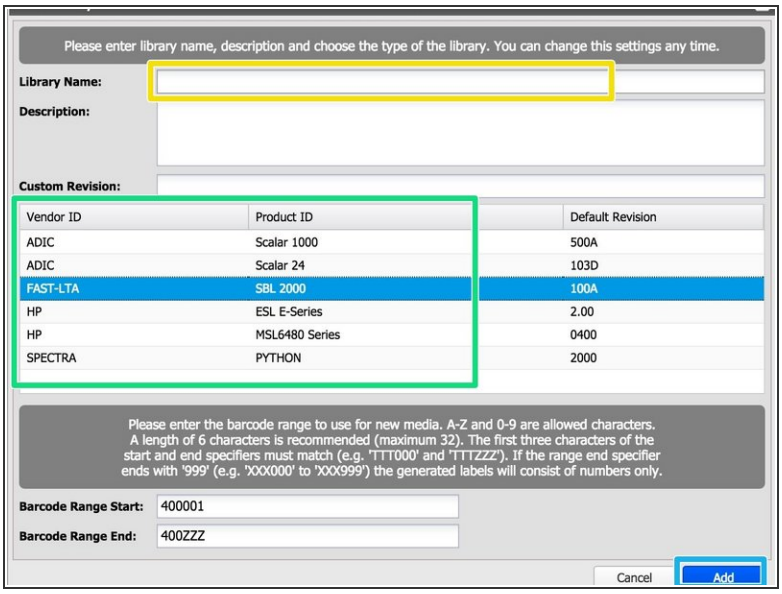
Recommended VTL Configuration

Library Emulation: HP MSL6480

Tape Drive Emulation: IBM

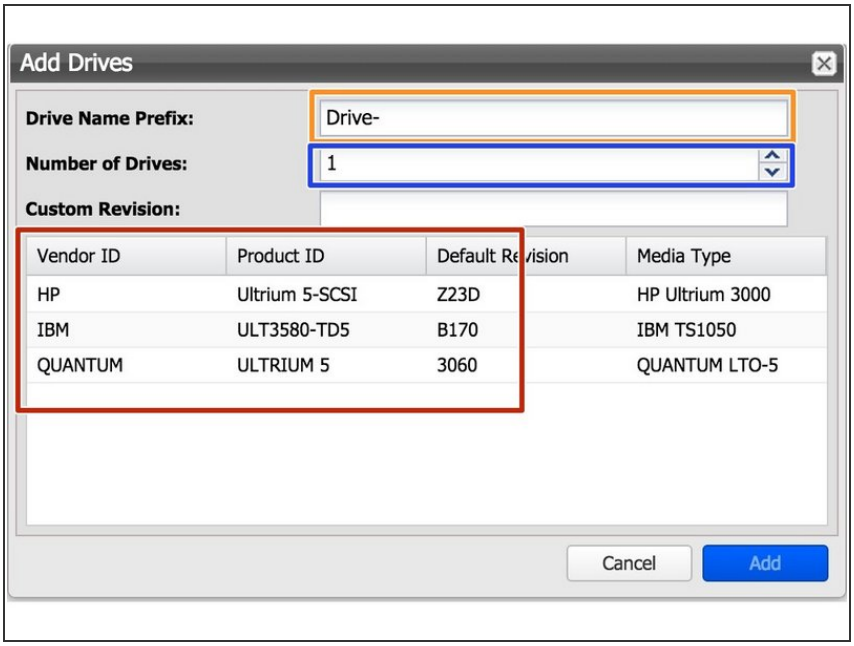
Step 1 — Add Library





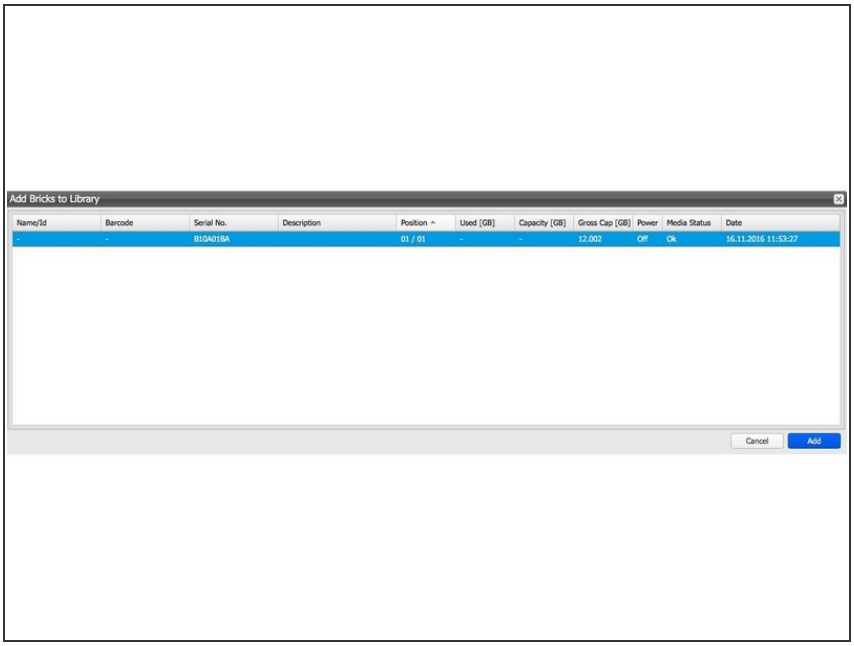
- Open the Silent Brick System GUI via a web browser
- Choose 'Libraries'
- Click 'Add'
- Enter a name
- Choose the desired library type

Step 2 — Add Drives



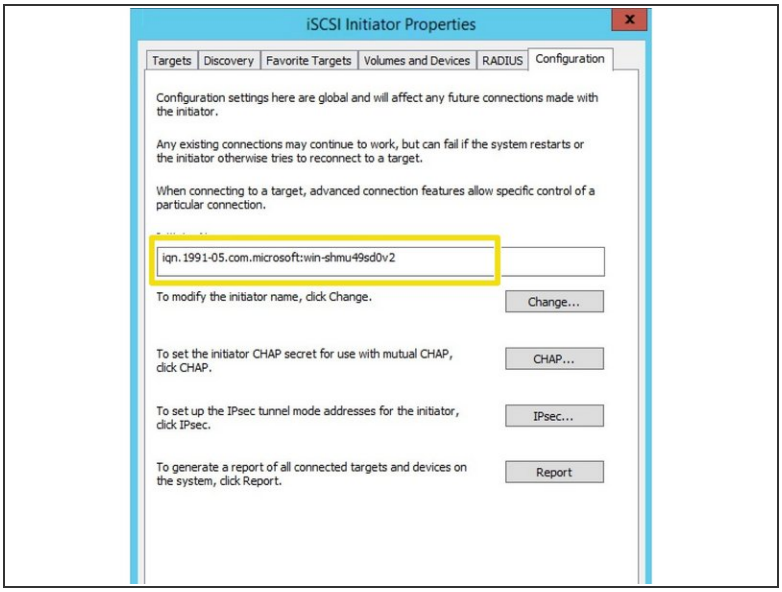
- Edit 'Drive Name Prefix' if needed.
- Choose a number of drives.
- Choose the desired drive type.

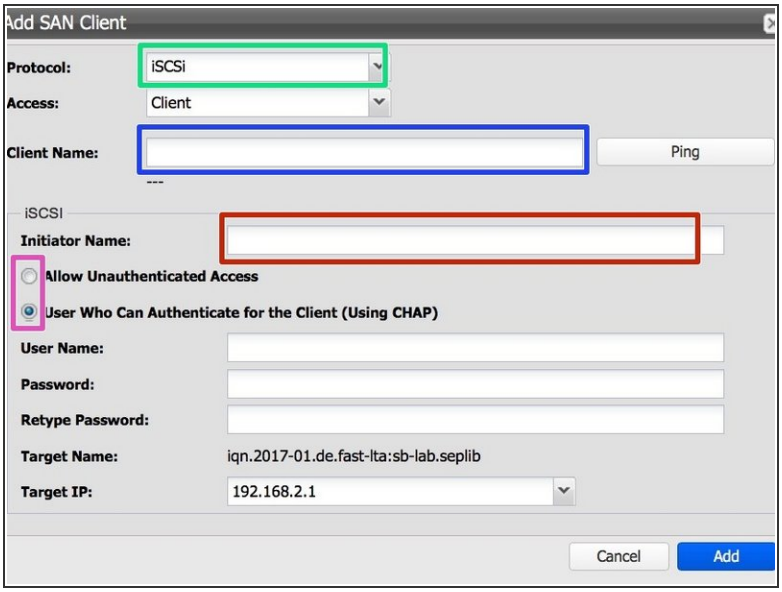
Step 3 — Add Bricks



- Choose the desired amount of Bricks from the list.
- Use 'CTRL' to choose multiple Bricks.
- Confirm by clicking 'Add'

Step 4 — Setup iSCSI SAN client

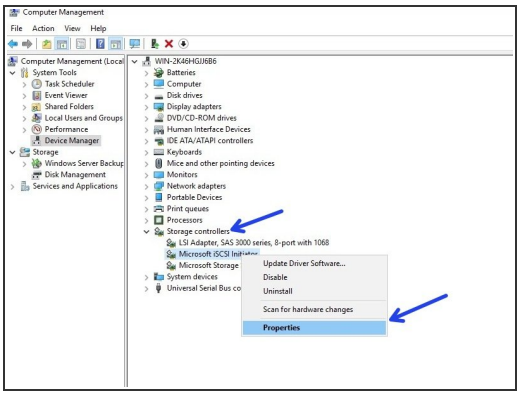


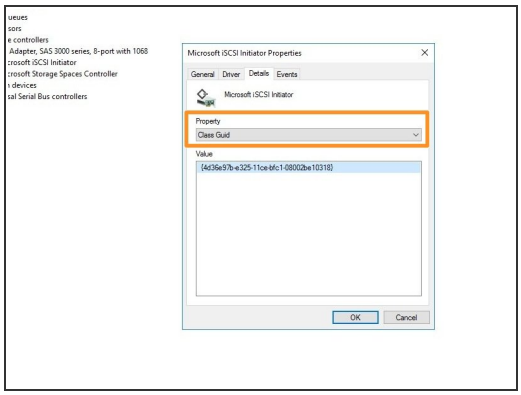


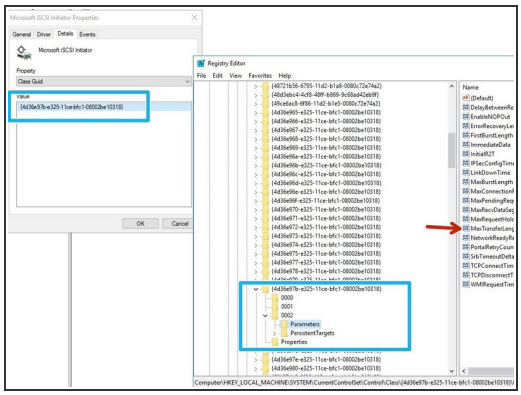
Best use with 10GB ethernet

- Get your iscsi initiator name from Windows
- Set up an iscsi client via Silent Brick web interface by choosing protocol iSCSI
  - Client Name: Enter the IP or the name of the client windows host
  - Initiator name: Enter the initiator string you retrieved in step 1
  - Authentication: If needed, authentication may be set up. Recommendation is no authentication

Step 5 — Adjust iSCSI blocksize

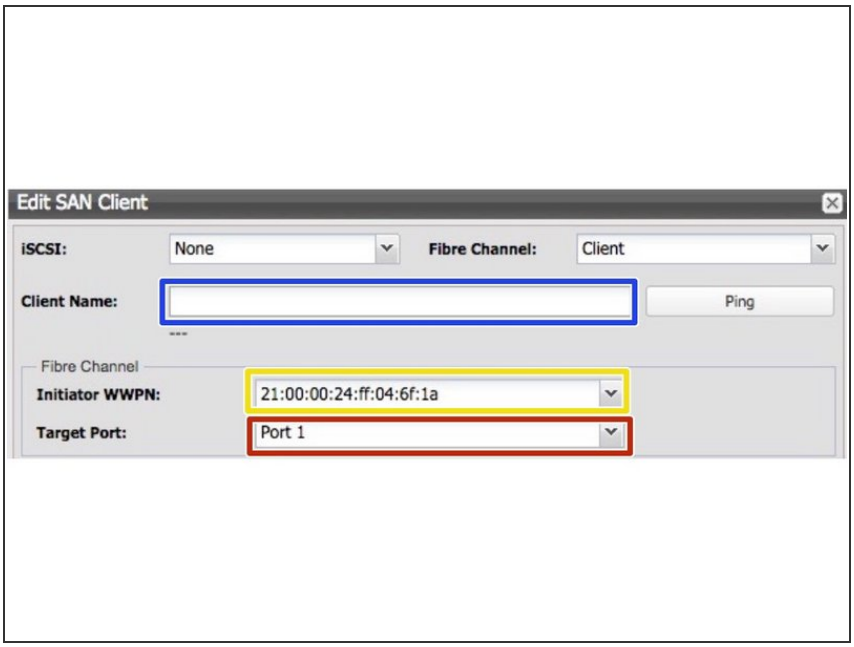






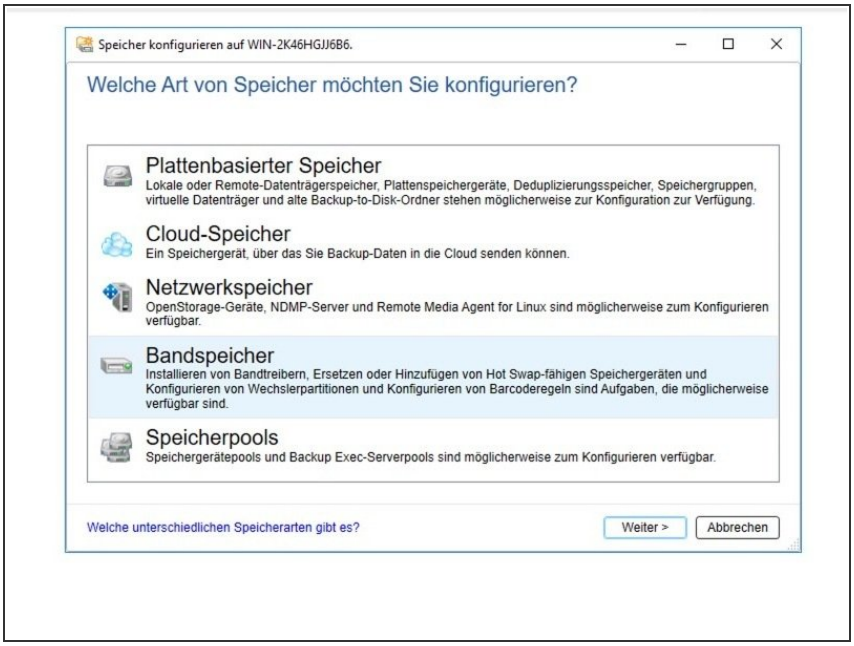
- Open your Windows Computer Manager and expand "Storage Controllers"
- Select your iSCSI Initiator and choose properties
- Switch to Details and choose the property "Class Guid"
- Open regedit and navigate to **HKEY_LOCAL_MACHINE - System - CurrentControlSet - Control - Class - <iSCSI Class ID> - <ID> - Parameters**
- In Parameters adjust the' MaxTransferLength'. This value must match your Tape Block size (configured later). 1 MB=0x100000, 512KB=0x80000, 256KB=0x40000. Recommended minimum 256 K

Step 6 — Setup fibre channel client



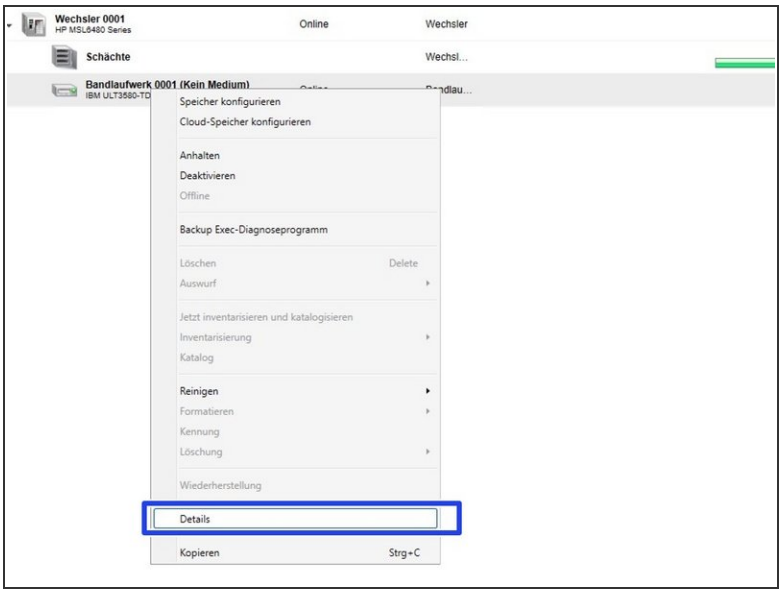
- [x] Only supported for controllers with fibre channel
- Client Name: Enter the IP or the name of the client windows host.
- Target Port: Choose port to connect to.
  - Port enumeration is from right to left.
  - When set to 'Everyone' the left Port 2 is used.
- Initiator WWN: Choose partner WWN to connect with.

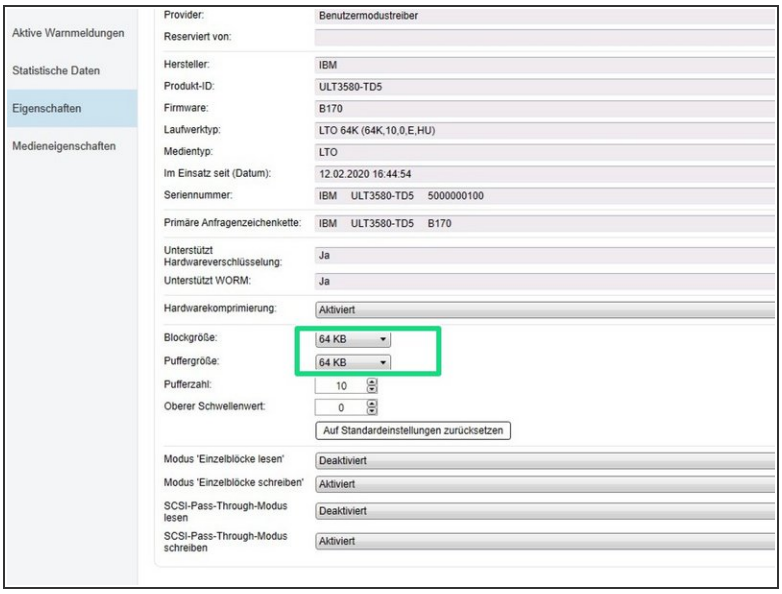
Step 7 — Init VTL in Veritas Backup Exec



- In Case Backup Exec does not inform you about new hardware choose to create a new Tape Storage in the Storage Management
- As soon as Backup Exec has recognized new devices it will inform you to restart the service. Do so when asked.

Step 8 — Configure the Tape Blocksize





⚠ For iSCSI connections the Tape Blocksize must match the iSCSI Transfer Length set up in Step 3

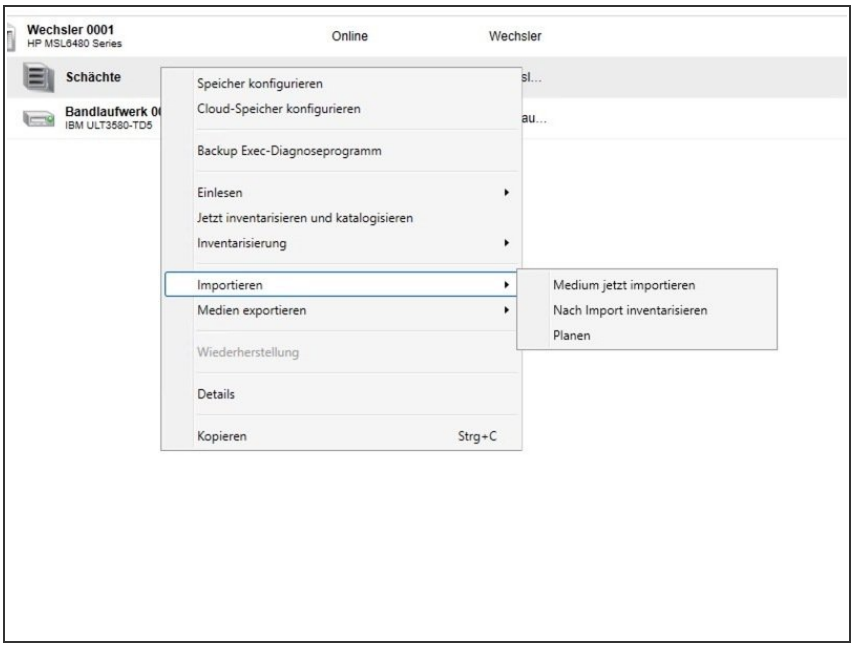
⚠ Optimal tape blocksize: 512KB

⚠ Tapes have to be formatted after adjusting the tape blocksize

- Choose details on each Tape Drive added by the Silent Brick VTL
- Adjust the Tape Block Size and the Puffer Size in the Tape Drive Properties

ⓘ Set both values to the iSCSI Transfer Length defined in Step 3

Step 9 — Import and Initialize the Library



- Choose "Import new Media" from the context menu of the Tape Library Slots in order to import the Tape-Bricks from the I/O Slot.
- Your tape Library is now ready to use. Start by creating Media Pools for the newly discovered tapes.

