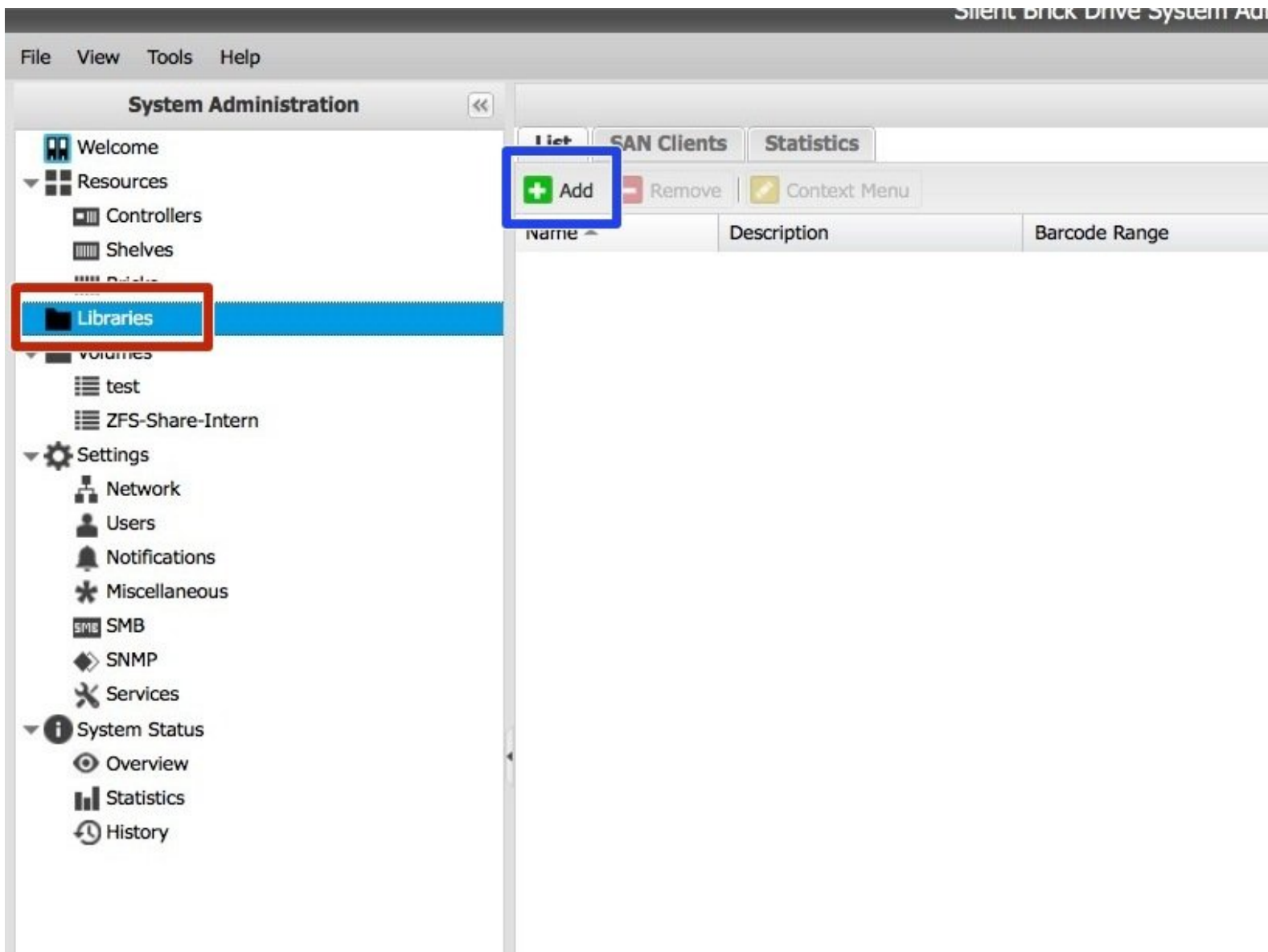




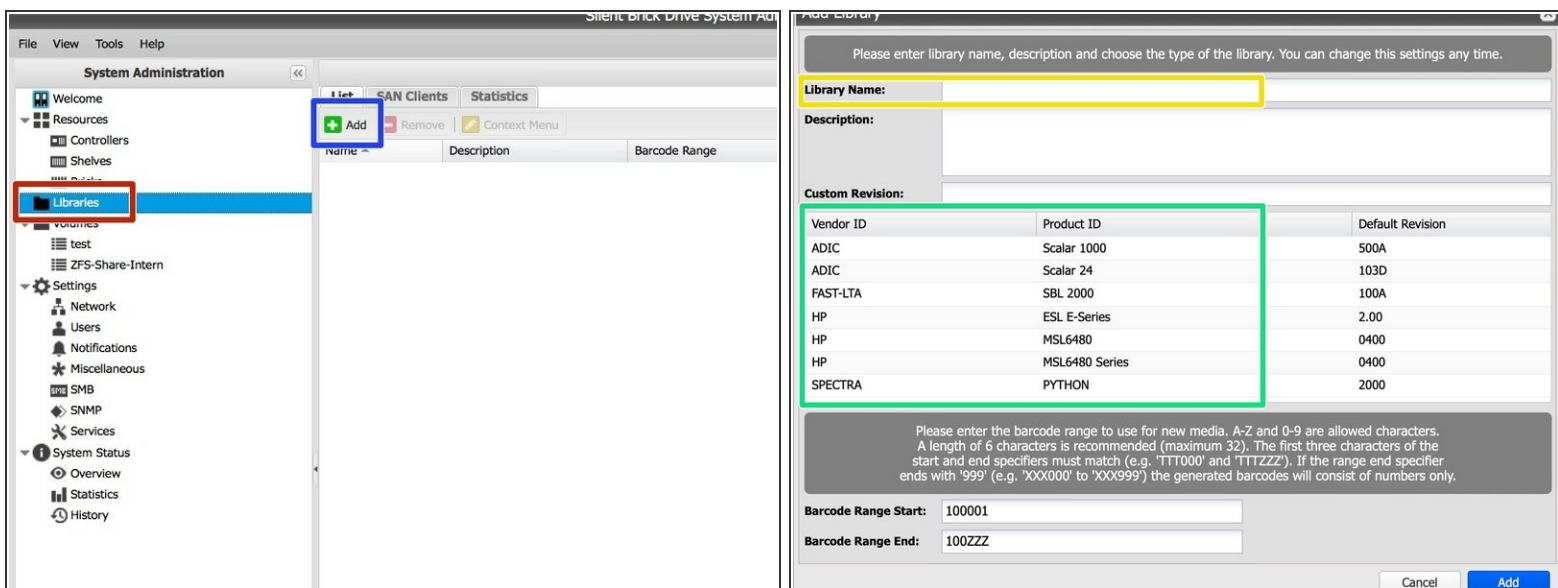
# Create a VTL

How to create a VTL with a FAST LTA Silent Brick System

Written By: Rene Weber



## 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 (See guide details in the first chapter)

## Step 2 — Add Drives

**Add Drives**

**Drive Name Prefix:** Drive-

**Number of Drives:** 1

**Custom Revision:**

Vendor ID	Product ID	Default Revision	Media Type
HP	Ultrium 5-SCSI	Z23D	HP Ultrium 3000
IBM	ULT3580-TD5	B170	IBM TS1050
QUANTUM	ULTRIUM 5	3060	QUANTUM LTO-5

Cancel Add

- Edit 'Drive Name Prefix' if needed.
- Choose a number of drives.
- Choose the desired drive type. (See guide details in the first chapter)

## Step 3 — Add Bricks

**Add Bricks to Library**

Name/Id	Barcode	Serial No.	Description	Position	Used [GB]	Capacity [GB]	Gross Cap [GB]	Power	Media Status	Date
-	-	B15A018A		01 / 01	-	-	12,002	Off	OK	16.11.2016 11:53:27

Cancel Add

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

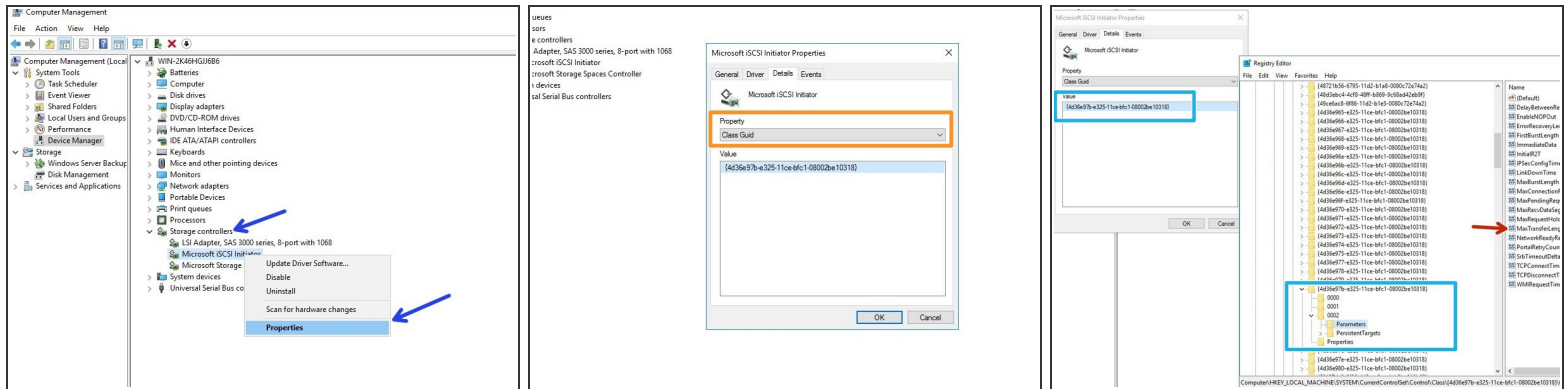
## Step 4 — Setup iSCSI SAN client

The image displays two screenshots from the Silent Brick web interface. The left screenshot shows the 'iSCSI Initiator Properties' dialog with the 'Targets' tab selected. A yellow box highlights the 'iqn.1991-05.com.microsoft:win-shmu49sd0v2' initiator name. The right screenshot shows the 'Add SAN Client' dialog. A green box highlights 'iSCSI' in the 'Protocol' dropdown, a blue box highlights the 'Client Name' field, a red box highlights the 'Initiator Name' field, and a pink box highlights the 'Allow Unauthenticated Access' radio button. The 'Target Name' is 'iqn.2017-01.de.fast-lta:sb-lab.seplib' and the 'Target IP' is '192.168.2.1'.

### Best use with 10GB ethernet

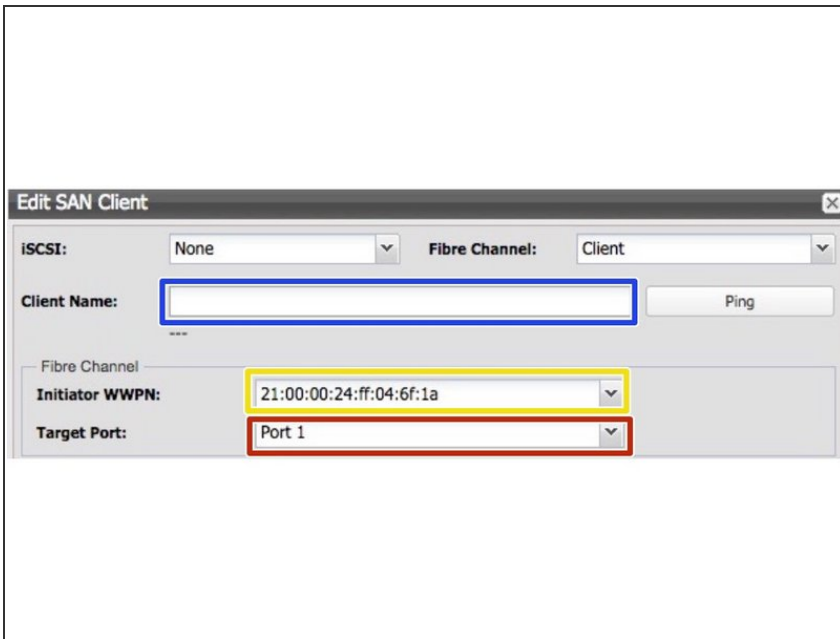
- Get your iscsi initiator name from Windows
- Set up an iscsi client via Silent Brick web interface by choosing protocol iSCSI
  - Client Name: Enter the IP or the name of the client windows host
  - Initiator name: Enter the initiator string you retrieved in step 1
  - Authentication: If needed, authentication 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



- ✓ 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.