

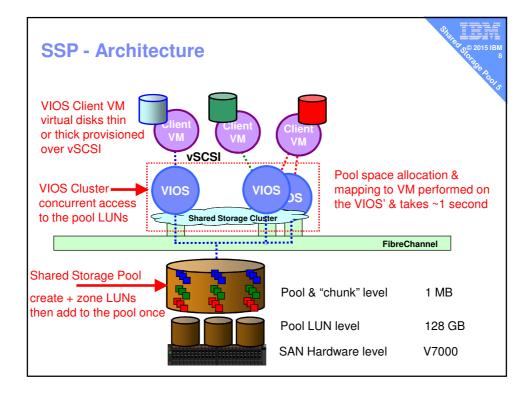


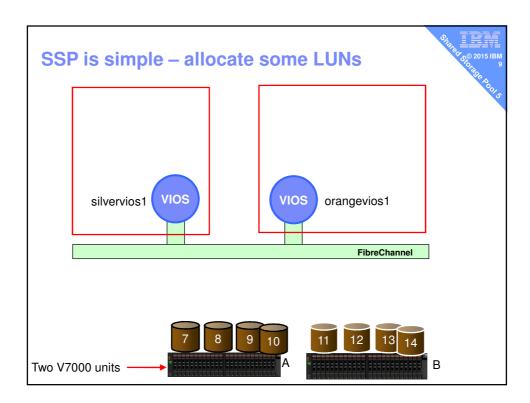


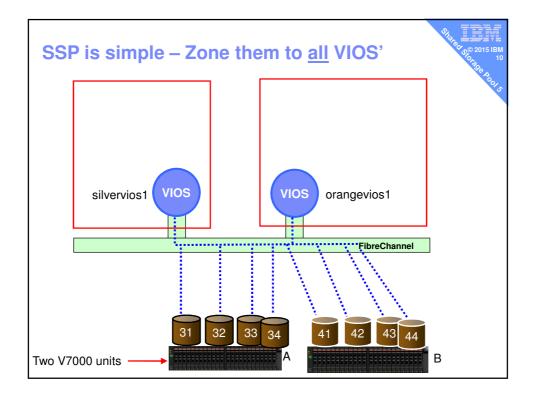


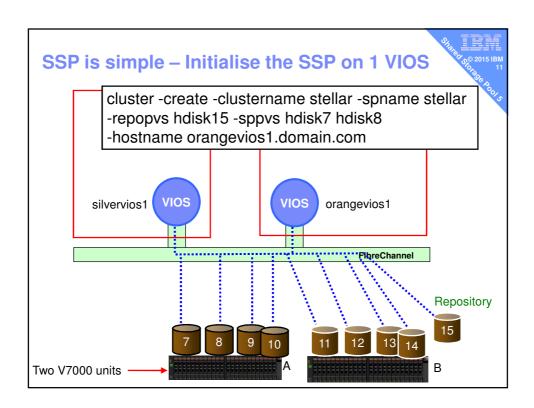


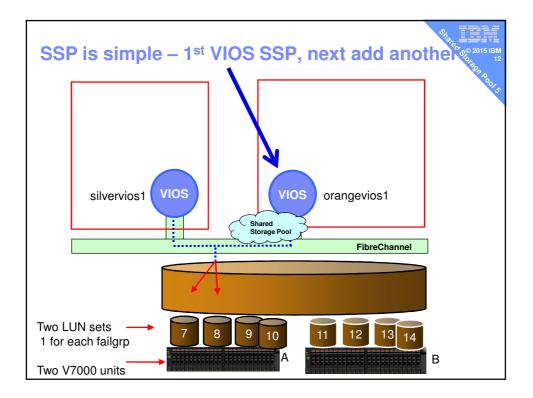
Readme from FixCentral for each VIC Feature • Number of VIOS Nodes in Cluster	DS rele Min	Max 16
<ul> <li>Number of LUNs in Pool</li> <li>Number of Virtual Disks (LUs) Pool</li> </ul>	1 1	1024 8192
<ul> <li>Number of Virtual Disks (LOS) Pool</li> <li>Number of Client LPARs per VIOS node</li> <li>Each LUN in Pool size</li> <li>Total Pool size</li> <li>Virtual Disk (LU) size from the Pool</li> <li>Number of Repository Disks</li> <li>Capacity of Repository Disk</li> </ul>	10GB 1GB 1	200 16TB <b>512TB</b>
<ul> <li>Nigel's Recommendation         <ul> <li>8 LUN minimum</li> <li>LUNs of 128 GB in the pool up to 8 TB</li> <li>Larger LUN for large pools</li> <li>Repository LUN size 1 GB &amp; spare repository LUN of</li> </ul> </li> </ul>	f 2 GB	

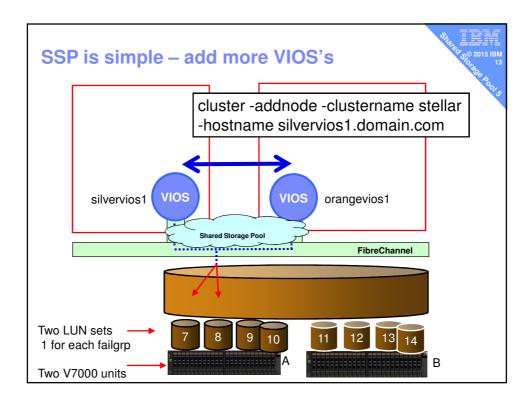


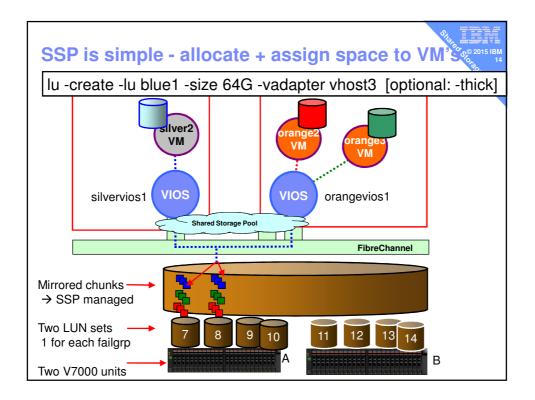


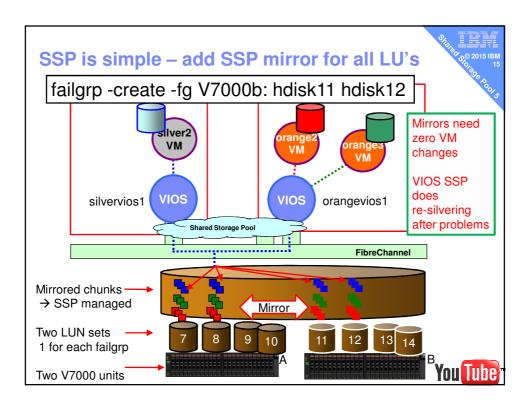


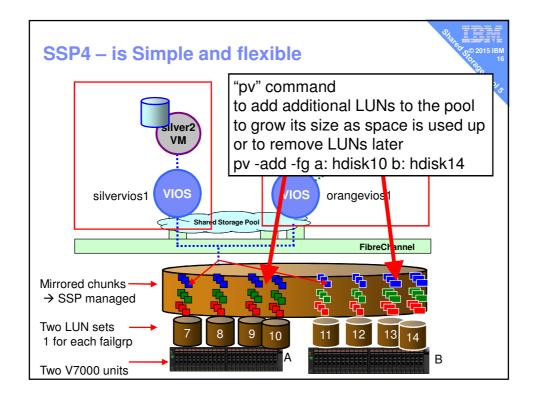


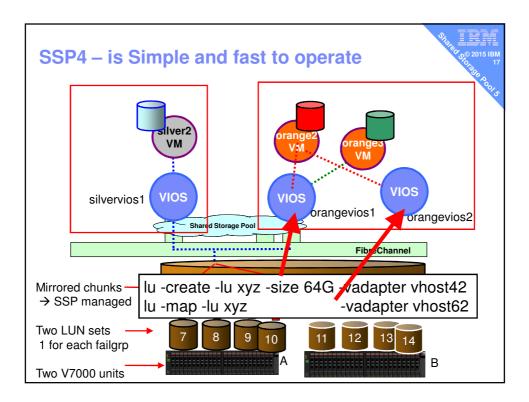


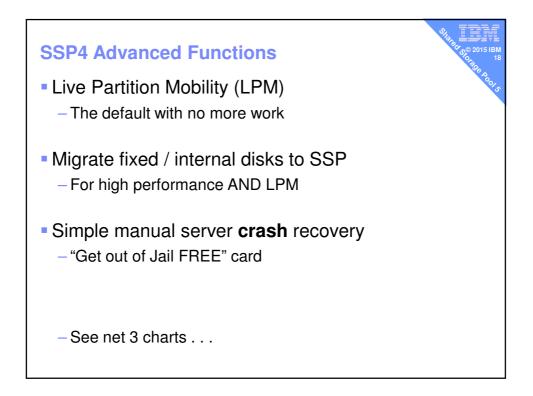


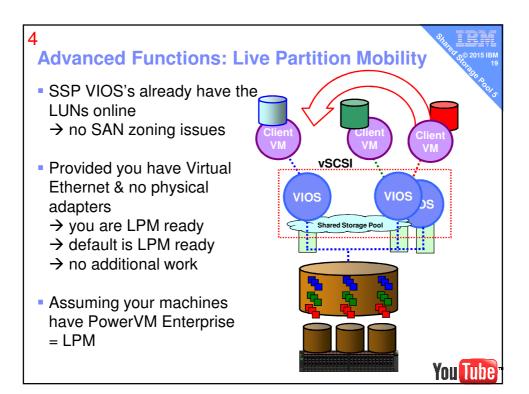


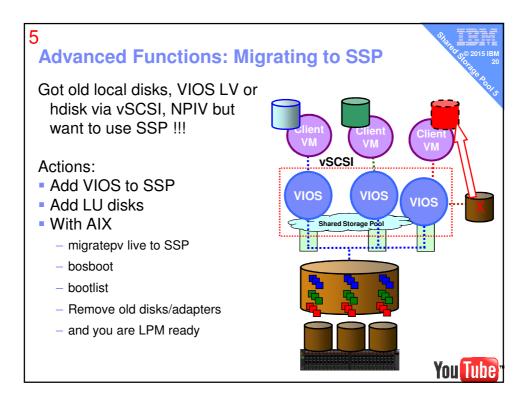


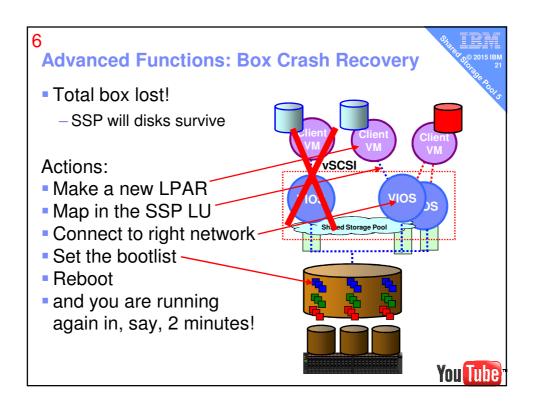






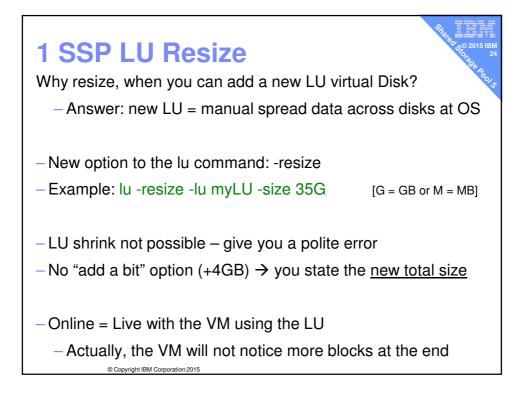


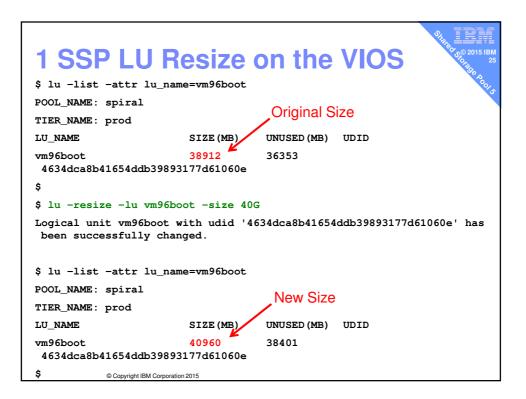


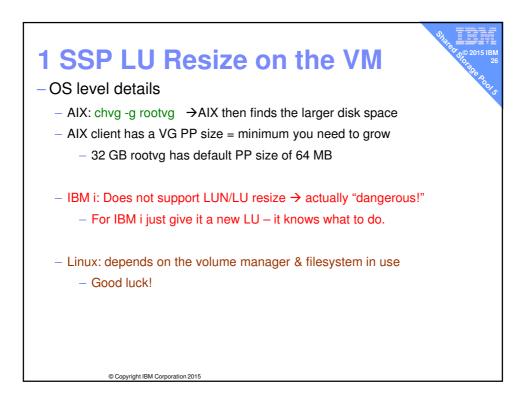




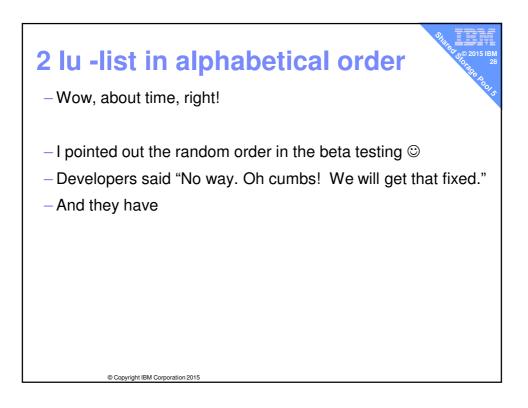




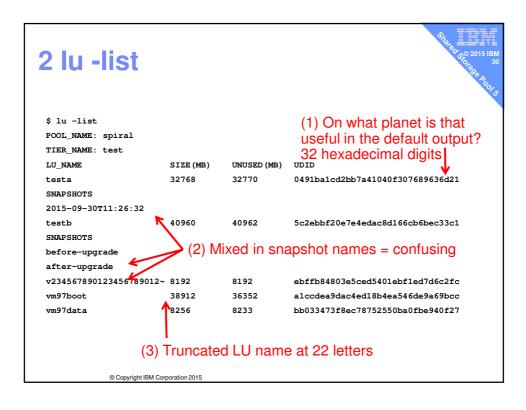


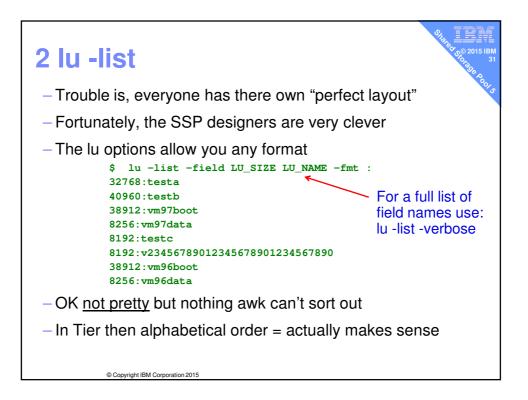


1 SSP LU	Resize	e on the	AIX VM
# lsvg rootvg   gr	ep "PP SIZE"		* P 00/ S
VG STATE:	active	PP SIZE:	64 megabyte(s)
# lsvg rootvg   gr	ep "TOTAL PP"		
VG PERMISSION:	read/write	TOTAL PPs:	607 ( <mark>38848</mark> megabytes)
Resize on the VIOS	here		1
<b>#</b> chvg -g rootvg		grow at least th eferably a mult by GB's	
# lsvg rootvg   gr	ep "TOTAL PP"		
VG PERMISSION:	read/write	TOTAL PPs:	639 ( <mark>40896</mark> megabytes)
#			
© Copyright IBM	Corporation 2015		

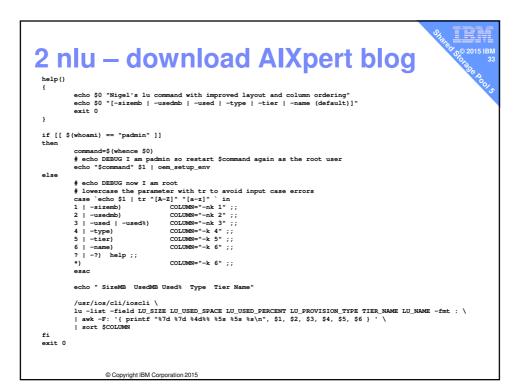


2 lu -list Spot the THR	EE use	r hostil	e features? IMHO
POOL_NAME: spiral			
TIER_NAME: test LU_NAME	SIZE (MB)	UNUSED (MB)	UDID
testa SNAPSHOTS	32768	32770	0491ba1cd2bb7a41040f307689636d21
2015-09-30T11:26:32			
testb SNAPSHOTS	40960	40962	5c2ebbf20e7e4edac8d166cb6bec33c1
before-upgrade			
after-upgrade			
v234567890123456789012~	8192	8192	ebffb84803e5ced5401ebf1ed7d6c2fc
vm97boot	38912	36352	a1ccdea9dac4ed18b4ea546de9a69bcc
vm97data	8256	8233	bb033473f8ec78752550ba0fbe940f27
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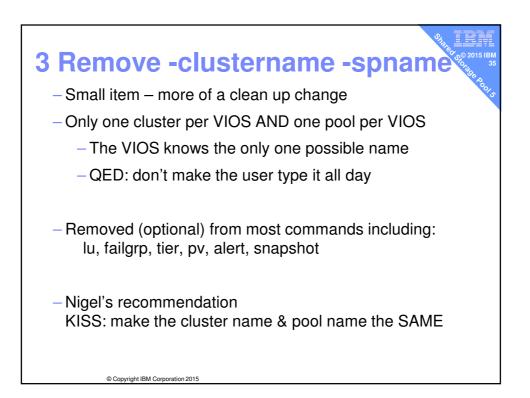


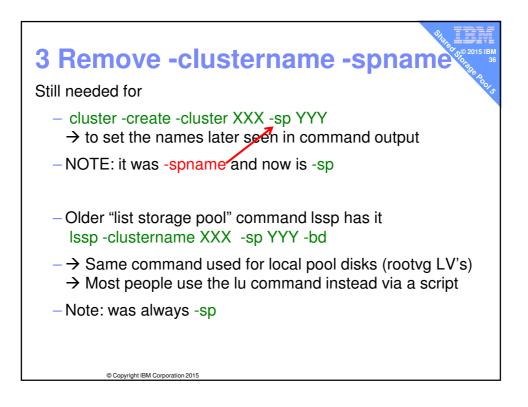


<b>2 lu</b>			Used%	Туре	Tier Name"
/usr/ic	os/cli/i	ioscli	lu -li	.st -fmt	: \
-field	LU_SIZE	E LU_US	SED_SPA	CE LU_US	SED_PERCENT \
	LU_PRO\	/ISION_	TYPE I	IER_NAME	E LU_NAME \
awk -	-F: '{ p	printf	"%6d %	6d %4d%	\$ %5s %7s %s\n",\$1,\$2,\$3,\$4,\$5,\$6}`
SizeMB	UsedMB	Used%	Туре	Tier	Name
32768	0	0%	THIN	SYSTEM	testa
40960	0	0%	THIN	SYSTEM	testb
38912	2562	<mark>6</mark> %	THIN	SYSTEM	vm97boot
8256	23	0%	THIN	SYSTEM	vm97data
8192	8192	100%	THICK	prod	testc
8192	0	0%	THIN	prod	v23456789012345678901234567890
38912	2561	<mark>6</mark> %	THIN	prod	vm96boot
8256	26	0%	THIN	prod	vm96data
	© Copyr	ight IBM Corpo	oration 2015		

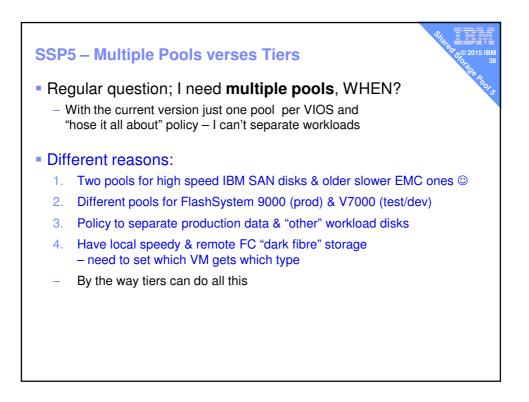


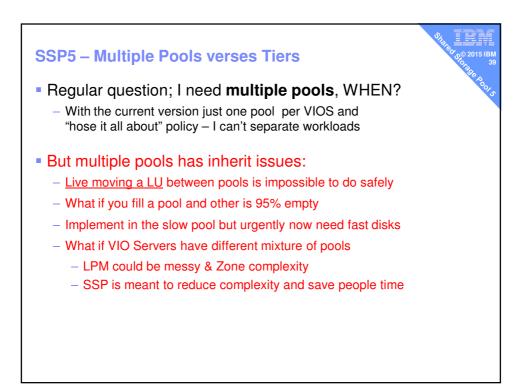
\$ nlu -u	sedmb				Č.
SizeMB	UsedMB	Used%	Туре	Tier	Name
8192	0	0%	THIN	prod	v23456789012345678901234567890
32768	0	0%	THIN	test	testa
40960	0	0%	THIN	test	testb
8256	23	0%	THIN	test	vm97data
8256	26	0%	THIN	prod	vm96data
38912	2573	<mark>6</mark> %	THIN	prod	vm97boot
40960	2579	<mark>6</mark> %	THIN	test	vm96boot
39936	39936	100%	THICK	prod	testc
\$					



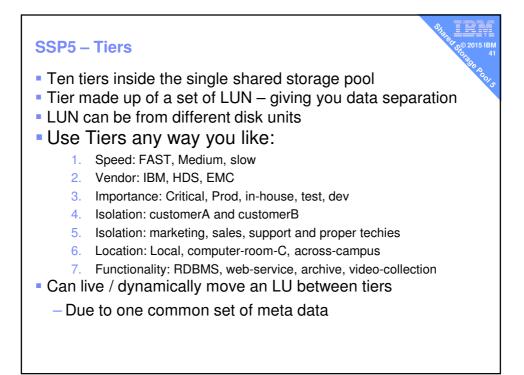


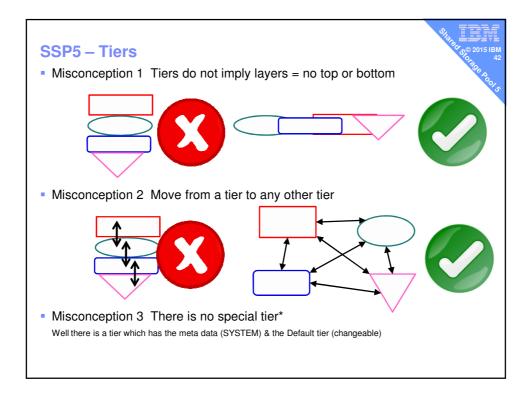


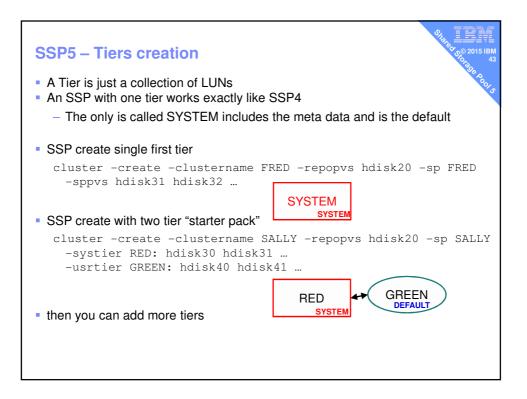


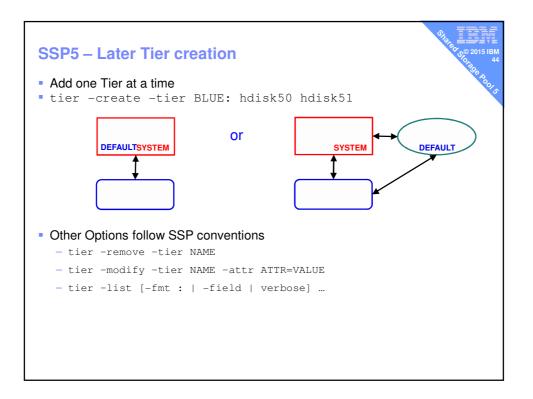


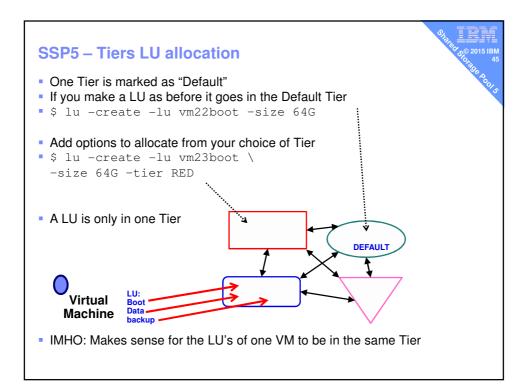


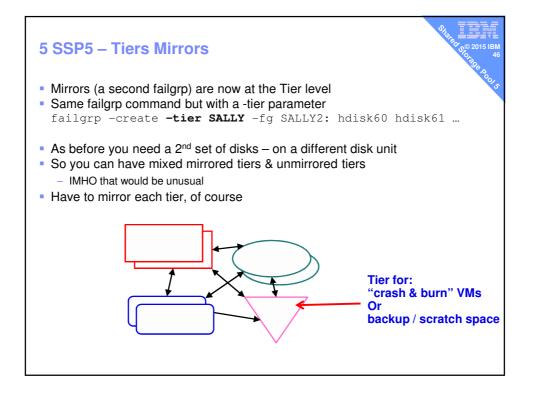




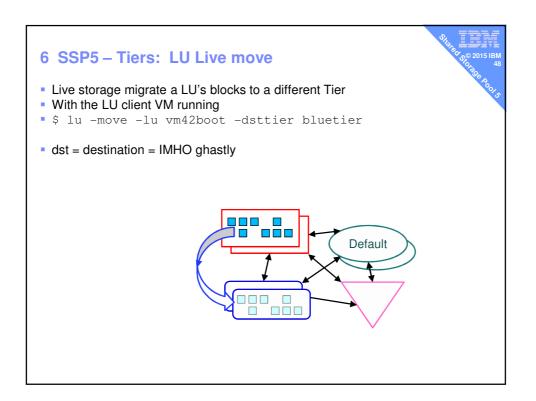


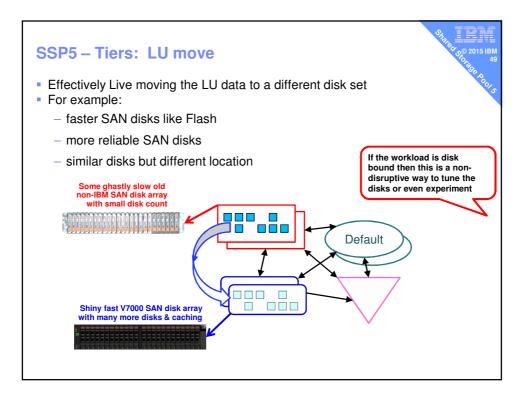


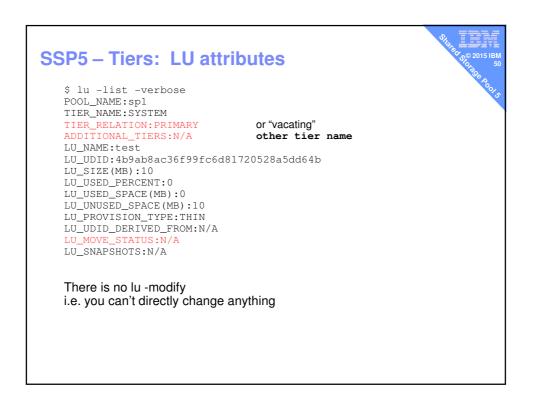


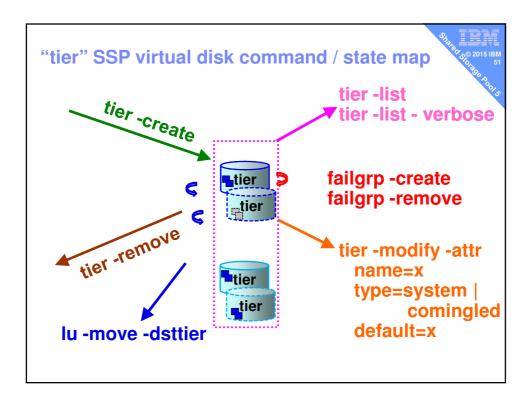


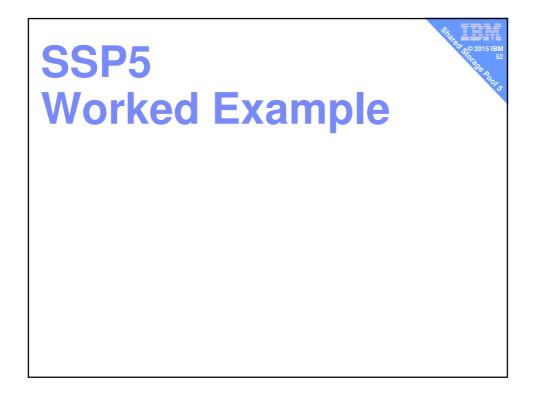
<pre>\$ tier -list POOL_NAME: testsp TIER_NAME SIZE(MB) FREE_SPACE(MB) MIRROR_STATE SYSTEM 10112 8000 NOT_MIRRORED mytier 10110 8000 SYNCED</pre>	SYSTEM tier no fallgrp mirror & mirrors in sync
<pre>\$ tier -list -verbose POOL_NAME: testsp TIER_NAME: SYSTEM TIER_TYPE: COMINGLED TIER_DEFAULT: NO TIER_SIZE(MB): 10112 FREE_SPACE(MB): 8000 OVERCOMMIT_SIZE(ME): 0 TOTAL_LUS</pre>	COMMINGLED – system meta data & user data Not Default tier for lu –create with no tier option To change default: \$ tier -modify -attr TIER_DEFAULT=YES -tier mytier 'mytier' has been set as default tier successfully.
FG COUNT : 1	- Not mirrored
POOL_NAME: testsp TIER_NAME : mytier TIER_TYPE : USER TIER_DEFAULT: YES TIER_SIZE : 10110 FREE_SPACE : 8000 OVERCOMMIT SIZE: 0	USER data only tier (no meta data) Default Tier
TOTAL_LUS : 3 TOTAL_LUSIZE: 2110 FG_COUNT : 2 MIRROR_STATE: SYNCED ERASURE_CODE: MIRROR2	Mirrors are in sync Two copies

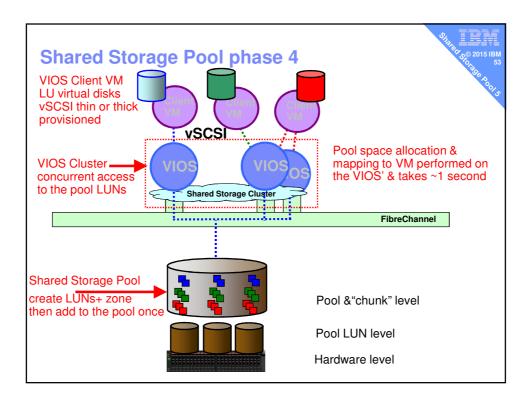


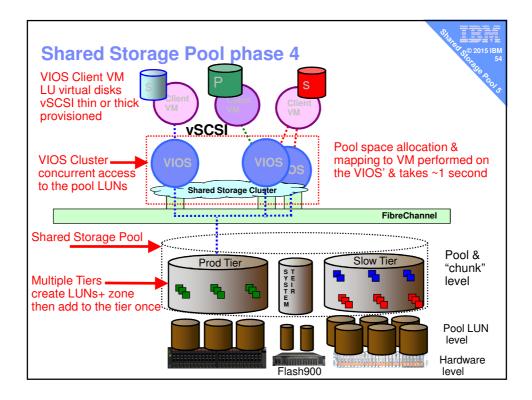


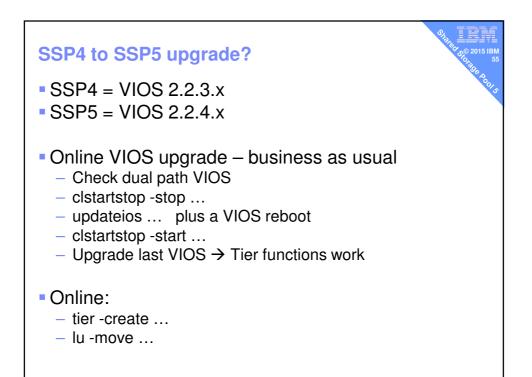




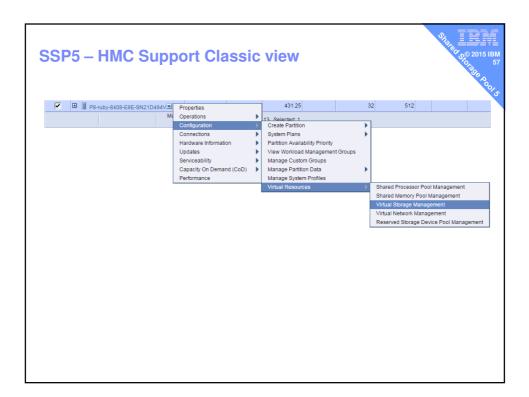








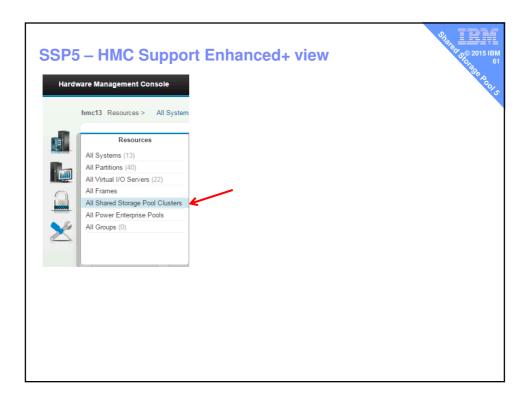




rubyvios3       court         intual Disks       Storage Pools       Physical Volumes       Optical Devices       Virtual Fibre Channel         irtual disks are logical entities on the VIOS partition that provide storage for client partitions. To erform management tasks for existing virtual disk, select a virtual disk then select the task to erform. You also can create a new virtual disk.         Image: Court of the task of the task to erform. You also can create a new virtual disk.       Image: Court of task	Image Details         Ange Details         Initual Disks       Storage Pools       Physical Volumes       Optical Devices       Virtual Fibre Channel         Initual Disks       Storage Pools       Physical Volumes       Optical Devices       Virtual Fibre Channel         Initual Disks       Storage Pools       Physical Volumes       Optical Devices       Virtual Fibre Channel         Initual Disks       Storage Pool       Assigned Pool       Assigned Partition A Size       Storage Pool         Initial Disks       Initial Disks       Storage Pool       Assigned Partition A Size       Initial Disks         Initial Disks       Initial Disks       Storage Pool       Assigned Partition A Size       Initial Disks         Initial Disks       Initial Disks       Storage Pool       Assigned Partition A Size       Initial Disks         Initial Disks       Initial Disks       Storage Pool       Assigned Partition A Size       Initial Disks         Initial Disks       Initial Disks       Initial Disks       Storage Pool       Assigned Partition A Size       Initial Disks         Initial Disks       Initial Disks       Initial Disks       Storage Pool       Assigned Partition A Size       Initial Disks         Initial Disks       Initial Diskstore       Storage Pool       Assigned Partitio	torage Details           Virtual Disks         Storage Pools         Physical Volumes         Optical Devices         Virtual Fibre Channel           Virtual disks are logical entities on the VIOS partition that provide storage for client partitions. To	
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arform management tasks for existing virtual disks, select a virtual disk then select the task to arform. You also can create a new virtual disk.         Image: the select and the select area of the select the task to arform. You also can create a new virtual disk.         Image: the select area of the select	erform management tasks for existing virtual disks, select a virtual disk then select the task to erform. You also can create a new virtual disk. Select A Name Storage Pool Assigned Partition Size A C testb spiral(spiral) None 32 GB C testb spiral(spiral) None 39 GB C testc spiral(spiral) None 39 GB C vm96boot spiral(spiral) None 8 GB C vm96data spiral(spiral) vm96(8) 40 GB C vm97boot spiral(spiral) vm96(8) 8.06 GB C vm97data spiral(spiral) vm97(7) 8.06 GB		
C         testb         spiral(spiral)         None         40 GB           C         testb         spiral(spiral)         None         39 GB           C         v23456789012345678901234567890         spiral(spiral)         None         8 GB           C         vm96boot         spiral(spiral)         vm96(8)         40 GB           C         vm96data         spiral(spiral)         vm96(8)         8.06 GB           C         vm97boot         spiral(spiral)         vm96(8)         8.06 GB           C         vm97baot         spiral(spiral)         vm97(7)         8.06 GB	C         testb         spiral(spiral)         None         40 GB           C         testb         spiral(spiral)         None         39 GB           C         v23456789012345678901234567890         spiral(spiral)         None         8 GB           C         vm96boot         spiral(spiral)         vm96(8)         40 GB           C         vm96data         spiral(spiral)         vm96(8)         8.06 GB           C         vm97boot         spiral(spiral)         vm96(8)         8.06 GB           C         vm97data         spiral(spiral)         vm97(7)         8.06 GB		
C         testc         spiral(spiral)         None         39 GB           C         v23456789012345678901234567890         spiral(spiral)         None         8 GB           C         vm96boot         spiral(spiral)         vm96(8)         40 GB           C         vm96data         spiral(spiral)         vm96(8)         8.06 GB           C         vm97boot         spiral(spiral)         vm97(7)         38 GB           C         vm97data         spiral(spiral)         vm97(7)         8.06 GB	C         testc         spiral(spiral)         None         39 GB           C         v23456789012345678901234567890         spiral(spiral)         None         8 GB           C         vm96boot         spiral(spiral)         vm96(8)         40 GB           C         vm96data         spiral(spiral)         vm96(8)         8.06 GB           C         vm97boot         spiral(spiral)         vm97(7)         38 GB           C         vm97data         spiral(spiral)         vm97(7)         8.06 GB	O testa spiral(spiral) None 32 GB	
C         v23456789012345678901234567890         spiral(spiral)         None         8 GB           C         vm96boot         spiral(spiral)         vm96(8)         40 GB           C         vm96data         spiral(spiral)         vm96(8)         8.06 GB           C         vm97boot         spiral(spiral)         vm97(7)         38 GB           C         vm97data         spiral(spiral)         vm97(7)         8.06 GB	C         v23456789012345678901234567890         spiral(spiral)         None         8 GB           C         vm96boot         spiral(spiral)         vm96(8)         40 GB           C         vm96data         spiral(spiral)         vm96(8)         8.06 GB           C         vm97boot         spiral(spiral)         vm97(7)         38 GB           C         vm97data         spiral(spiral)         vm97(7)         8.06 GB	ophia(ophia) itolo	
C         vm96boot         spiral(spiral)         vm96(8)         40 GB           C         vm96data         spiral(spiral)         vm96(8)         8.06 GB           C         vm97boot         spiral(spiral)         vm96(7)         38 GB           C         vm97data         spiral(spiral)         vm97(7)         8.06 GB	C         vm96boot         spiral(spiral)         vm96(8)         40 GB           C         vm96data         spiral(spiral)         vm96(8)         8.06 GB           C         vm97boot         spiral(spiral)         vm97(7)         38 GB           C         vm97data         spiral(spiral)         vm97(7)         8.06 GB	opinal(opinal) none opinal	
C         vm96data         spiral(spiral)         vm96(8)         8.06 GB           C         vm97boot         spiral(spiral)         vm97(7)         38 GB           C         vm97data         spiral(spiral)         vm97(7)         8.06 GB	O         vm96data         spiral(spiral)         vm96(8)         8.06 GB           O         vm97boot         spiral(spiral)         vm97(7)         38 GB           O         vm97data         spiral(spiral)         vm97(7)         8.06 GB		
C         vm97boot         spiral(spiral)         vm97(7)         38 GB           C         vm97data         spiral(spiral)         vm97(7)         8.06 GB	O         vm97boot         spiral(spiral)         vm97(7)         38 GB           O         vm97data         spiral(spiral)         vm97(7)         8.06 GB	opinal(opinal) miso(o) io op	
O     vm97data     spiral(spiral)     vm97(7)     8.06 GB	O     vm97data     spiral(spiral)     vm97(7)     8.06 GB	opina(opinal) miso(o) oroo op	
of this value	opinal(opinal) (institution)	opinal(opinal) mis/(/)	
	create virtual uisk Proulity assignment Show shared storage pool storage		
create virtual diskin. Trody assignmental.		Create virtual disk Modify assignment Snow shared storage pool storage	

			virtual storage	for your VIOS virtual s	ervers and your
	ge Pool (SSP) Dev			or an SSP Device to que	
IOS/SSP:	ubvvios3	▼ Query			
	ubyvioss				
rage Details					
	-				
Virtual Disl	s Storage Pools	Physical Volumes	Optical Devices	Virtual Fibre Channel	
	-				
				de storage for client pa rtual disk then select t	
		e a new virtual disk.		Ttual uisk then select t	He Lask to
· · · · ·					
444 4 4	3 🖌 🖉	Select Action			
Select ^	Name	Select Action	rage Pool	Assigned Partition	^ Size ^
0		Create Virtual Disk Modify Assignment	al(spiral)	None	32 GB
		Extend	al(spiral)	None	40 GB
		Delete	al(spiral)	None	39 GB
0	v2345678901234	Properties	al(spiral)	None	8 GB
	vm96boot	Table Actions		vm96(8)	40 GB
0	vilibuata	Show Filter Row	al(spiral)	vm96(8)	8.06 GB
0	VIII97DUUL	Clear All Filters	al(spiral)	vm97(7)	38 GB
0	VIII9/Gata	Edit Sort	al(spiral)	vm97(7)	8.06 GB
Create virtu	al disk Modify	Clear All Sorts	w shared storad	ie pool storage	
			in shared storag	je poor storage	

SSP5 – HMC Supp	ort Classic view
Create V	tual Disk - P8-ruby-8408-E8E-SN21D494V
To create a v a storage por disk to a logi	trual disk, enter a name and a size for the new disk, and select from which to create the new disk. You also can assign the new al partition. This task can take several minutes to complete if ng a virtual disk in a file-based storage pool.
Virtual disk r	ame: vdisk42
Storage pool	
Virtual disk s	
Assigned par	ition
Disk type:	vm96(8)
Map to VIOS	
	✓ rubyvios3
	✓ ruby/ruby
OK Cancel	Help



nc13 Resource	s > All Shared Storage	e Pool Cluste	rs 🔻		All 👻	Search
	Shared Stora					
Add Shared S	Cluster Name Repository Disk		Number Of Nodes	Available Storage in GB	Total St	orage in GB
stellar	MPIO IBM 2076	FC Disk	5	1,801.3	2,046.0	)
globular	Modify Cluster	C Disk	11	1,951.3	4,094.0	)
A Contract	View Cluster Details	O Dist.	n	100 7	F44 F	,
	Remove Cluster					

