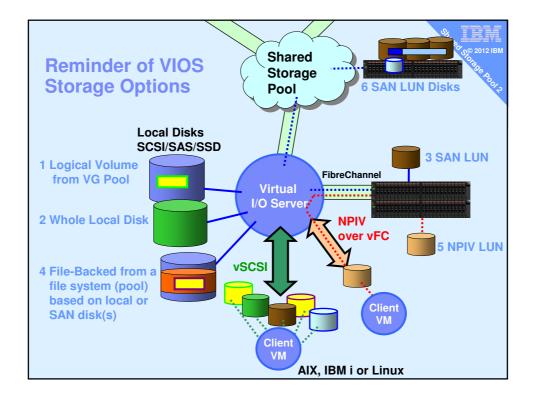
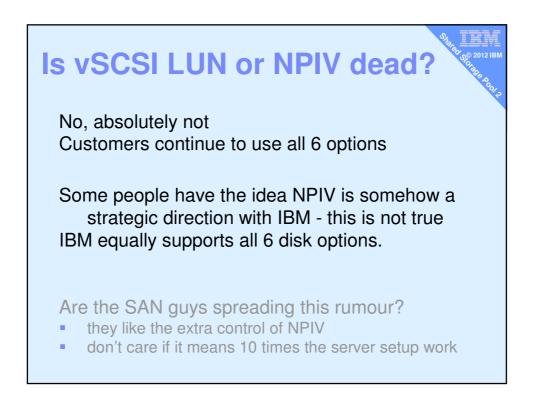
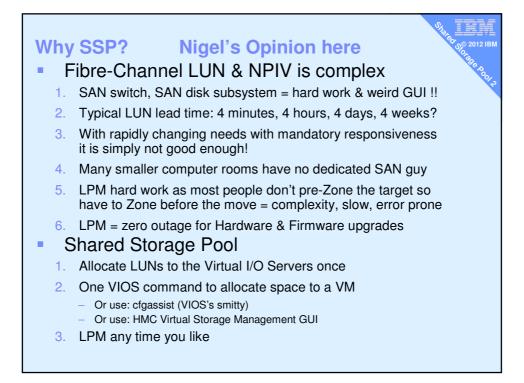


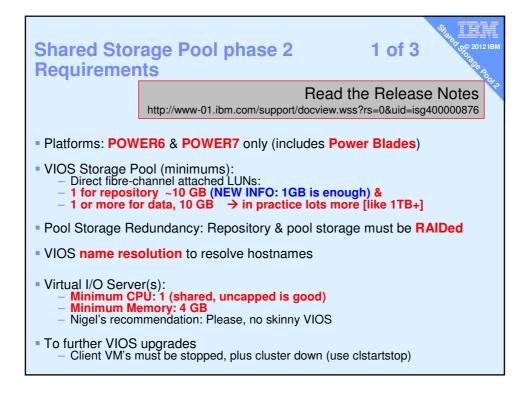
http://www-01.ibm.com/common/ssi/cgi-bir	A <sup>th</sup> Oct 2012 <sup>//ssialias?infotype=AN&amp;subtype=CA</sup> 6 <sup>th</sup> Dec 2012 Release notes:	&htmlfid=897/ENUS211-354&appr	All the second s							
VIOS 2.2.1.3 FixPack 25 SP01 Virtual I/O Server 2.2.1.0 VIOS 2.2.1.3 FixPack 20 01 Readme	s sp									
Readme file for VIOS 2.2.1.3 Fx3oxxxx3 SP01 Update Kaas: VX03.2.1.3 Fx4oxxx3 SP01 Fx (b, VX02.2.1.3 Fx4oxx3 SP01 Fx (b, VX02.2.1.3 Fx4oxx1 SP01 Fx (b, VX0	Rete this page: के के के के Average rating 0 user(c) Add comments	Their Jahns								
Download focation Krown issues	Decument Information Virtual I/O Server	Virtual VO Server								
Installation information Profession Installing Performing the expressive tasks after installation	Reference # D0000000 Modified date: 2011-1205ex	IBM								
<ul> <li>Then read VIOS http://publib.boulder.ibm.c</li> <li>Technical Hands</li> </ul>	om/infocenter/powersys		'hb1.pdf							
	<ul> <li>Technical Hands-On Movies         <ul> <li>http://tinyurl.com/AIXmovies</li> </ul> </li> </ul>									

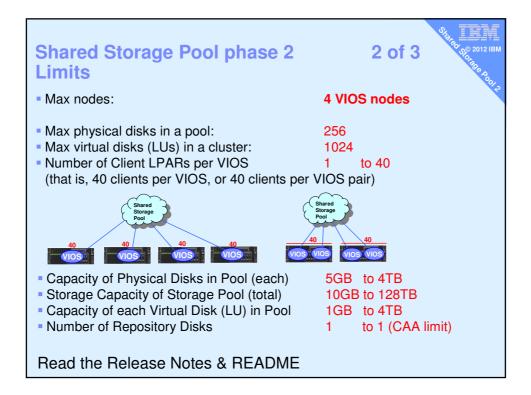


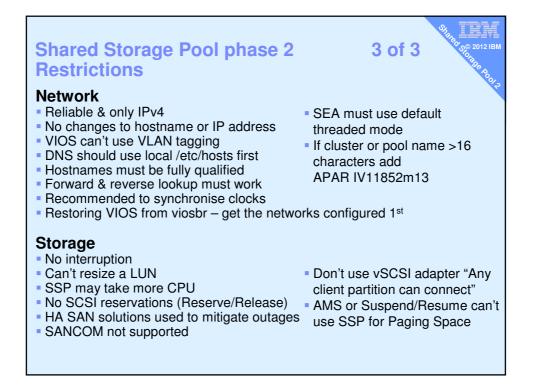


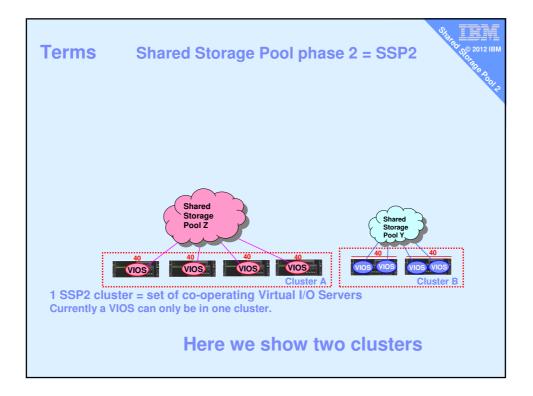


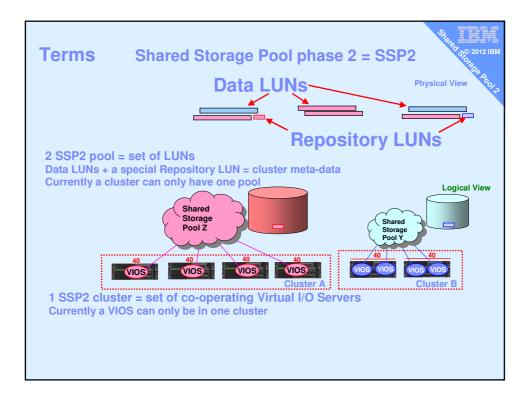


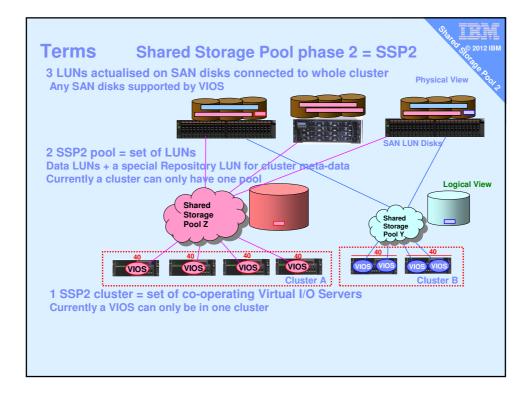


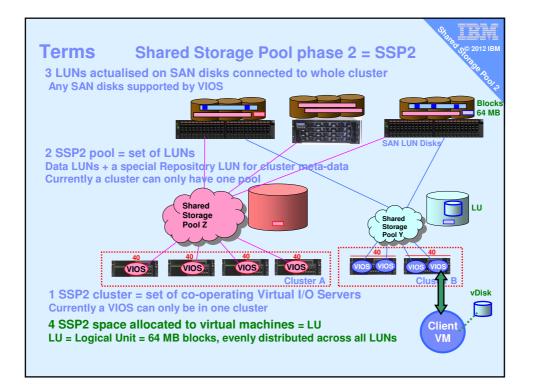


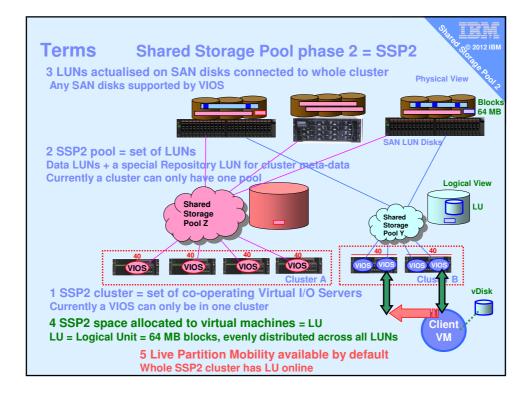


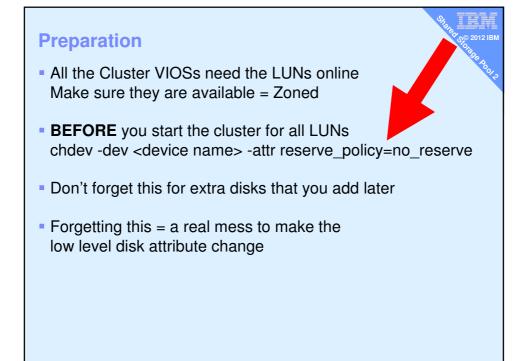


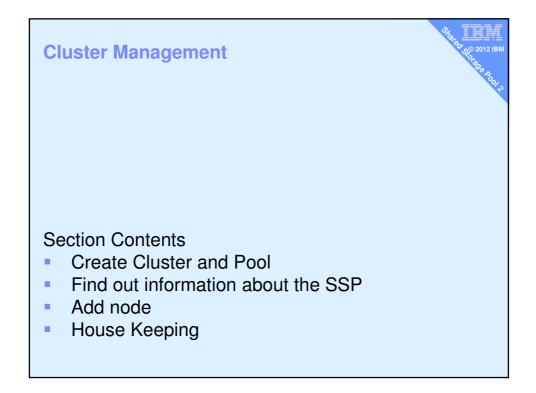


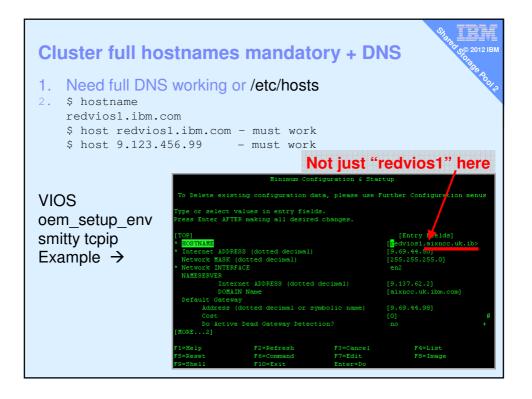


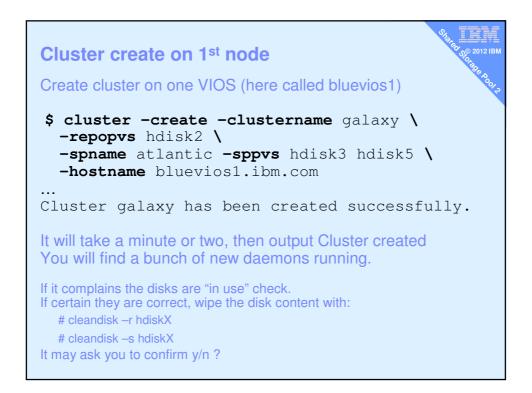


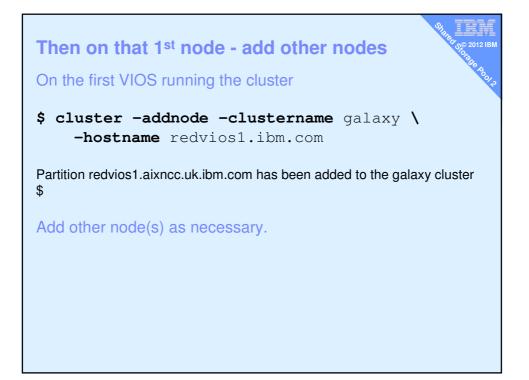




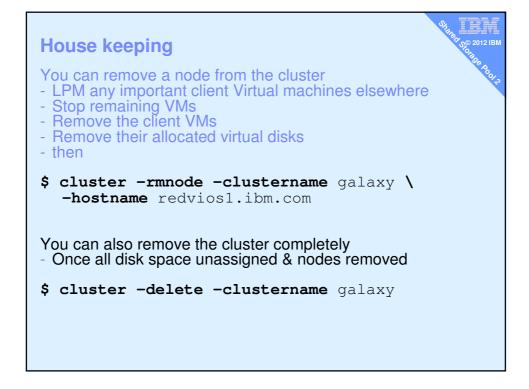


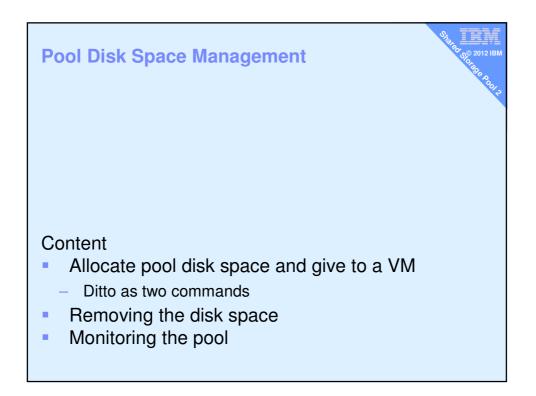






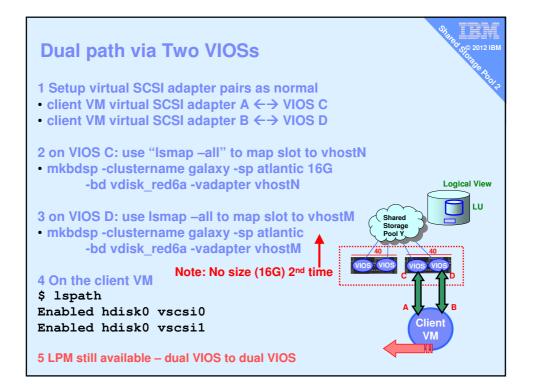
List cluster & (	cluster nodes	5		Share	20 50 2012 IBM
Cluster Name	Cluster ID				2
galaxy \$	68c06102fc531	1e093c8f602	27171	fc64	
\$ cluster -statu Cluster Name galaxy	s -clustername State OK	galaxy			
Node Name	MTM	Partition	Num	State	Pool State
diamondvios1	8233-E8B02100	271P	2	OK	ОК
diamondvios2	8233-E8B02100	271P	1	OK	OK
redvios1 \$	8203-E4A0310E	0A41	1	OK	ОК
Examp	ble of a 3 node of	cluster			



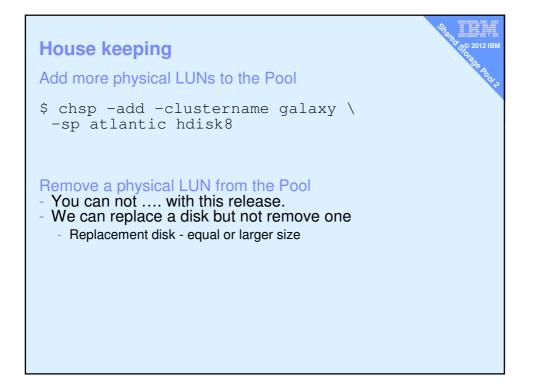




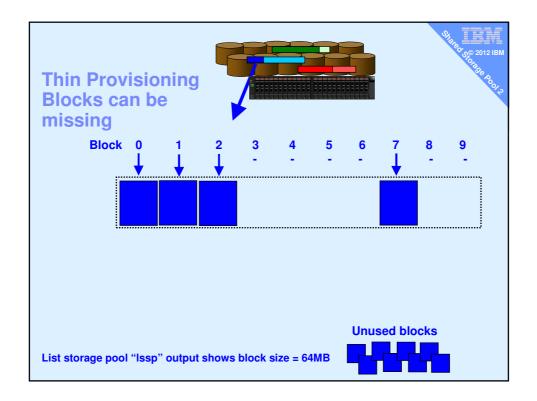


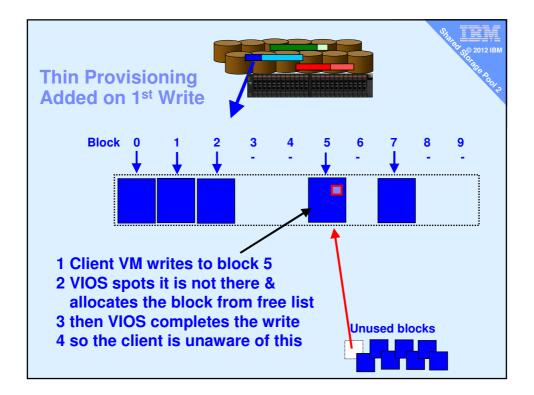


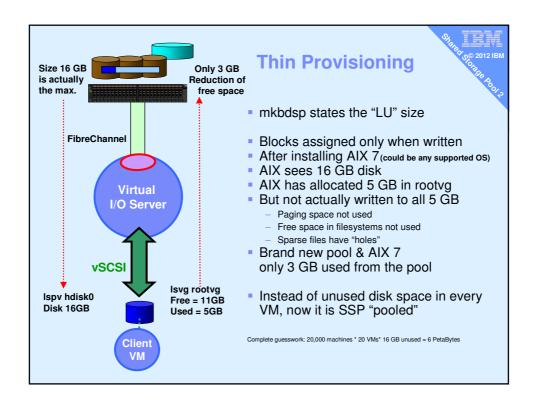


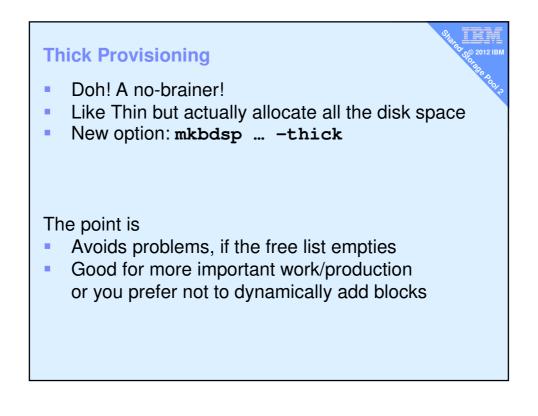




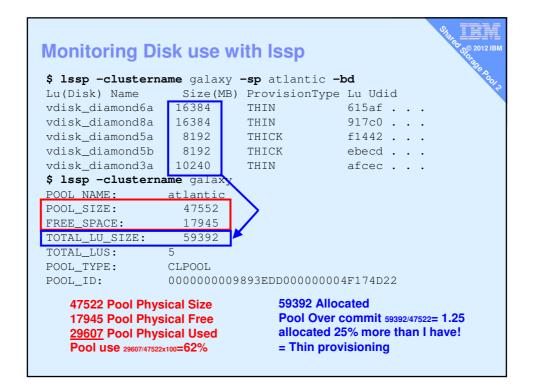




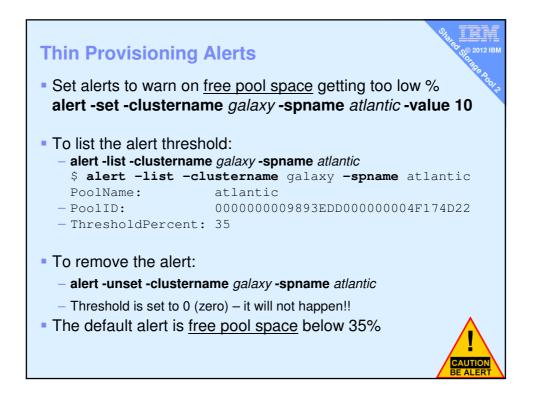


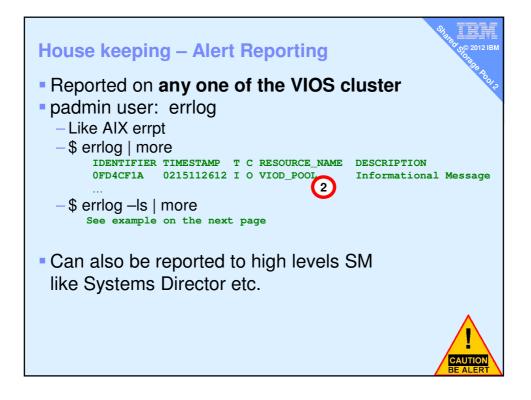


10pas Mon	itor f	or host	: dia	amondvi	os1Int	terval:	2	Fri d	Jan 14	14:46:0	0 201
======= Disk	====== Busy%	KBPS	TPS	 KB-R	ART	MRT	 KB-W	AUT	 MWT	======= AQW	aqi Aqi
cldisk2	41.0	17.6K	493.0	0.0	0.0	174.6	17.6K	1.1	14.6	0.0	0.0
cldisk3	34.0	20.OK	160.0	0.0	0.0	186.4	20.OK	2.9	13.1	0.0	0.0
cldisk1	3.0	24.0	6.0	0.0	0.0	112.0	24.0	0.6	158.8	0.0	0.0
hdiskO	0.0	8.0	2.0	0.0	0.0	10.2	8.0	4.1	64.2	0.0	0.0
caa priva	0.0	17.0	5.0	9.0	0.1	2.1	8.0	0.5	6.9	0.0	0.0
hdisk1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0
≃d0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
One c Disk I Alloc	/ <b>O</b> s	prea	d ac	ross	dis	sks	÷.		sp o	utpu	t)

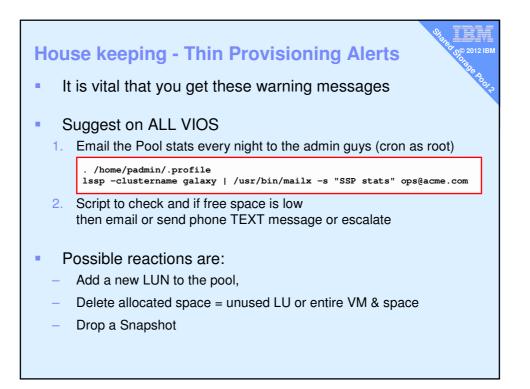


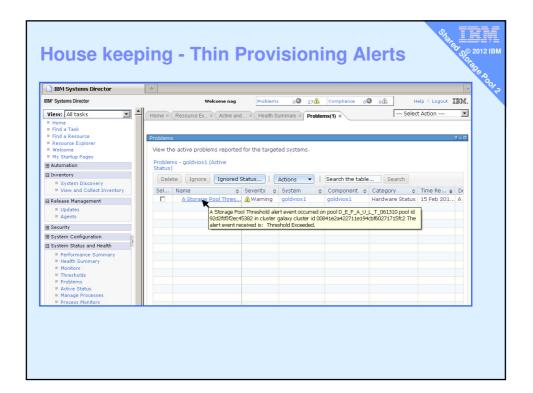


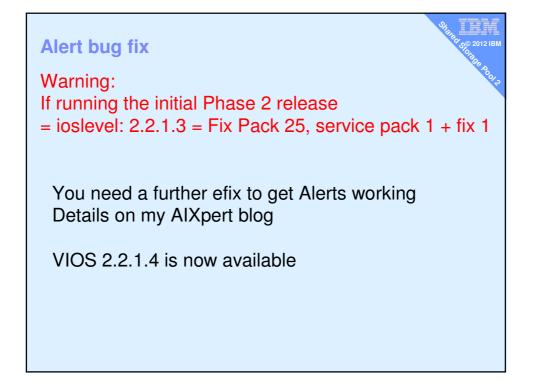


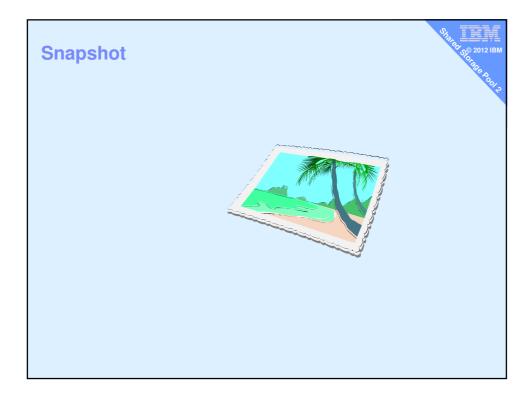


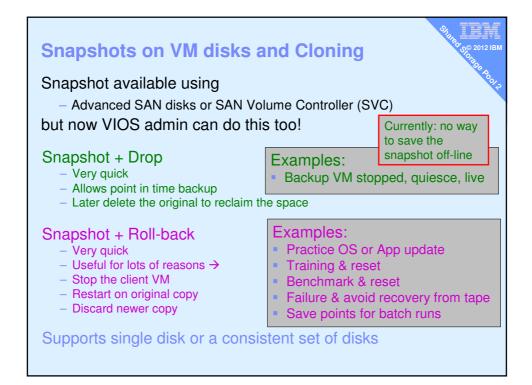
\$ errlog -Is LABEL: VIO ALERT EVENT 1 IDENTIFIER: 0FD4CF1A Date/Time: Wed Feb 15 11:26:32 CST 2012 Sequence Number: 86 Machine Id: 00F602714C00 Node Id: 00F602714C00 Node Id: 00F602714C00 Node Id: 00F602714C00 WPAR: Global Resource Name: VIOD_POOL 2	2012 IBM
Description	
Probable Causes Asynchronous Event Occurred	
Failure Causes PROCESSOR	
Recommended Actions Check Detail Data	
Detail Data Alert Event Message 25b801 A Storage Pool Threshold alert event occurred on pool D_E_F_A_U_L_T_061310 pool id 92d2fd5f2ec45382 in cl galaxy cluster id 00841e2a422711e194cbf60271715fc2 The alert event received is: Threshold Exceeded	uster
Diagnostic Analysis Diagnostic Log sequence number: 250 Resource tested: sysplanar0 Menu Number: 25B8001 Description:	
A Storage Pool Threshold alert event occurred on pool D_E_F_A_U_L_T_061310 pool id 92d2fd5f2ec45382/in g galaxy cluster id 00841e2a422711e194cbf60271715fc2 The alert event received is: Threshold Exceeded CAUT BE AL	USTER ION ERT

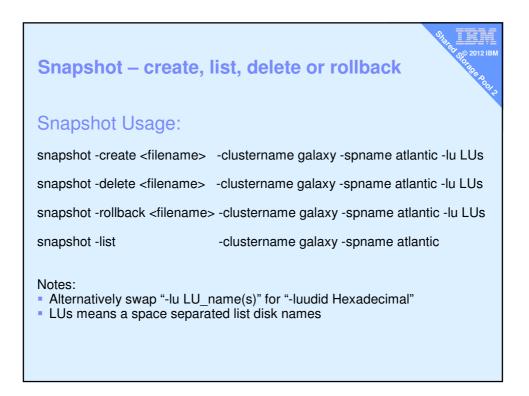




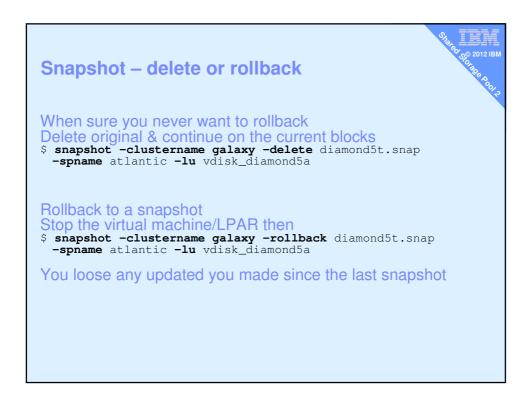


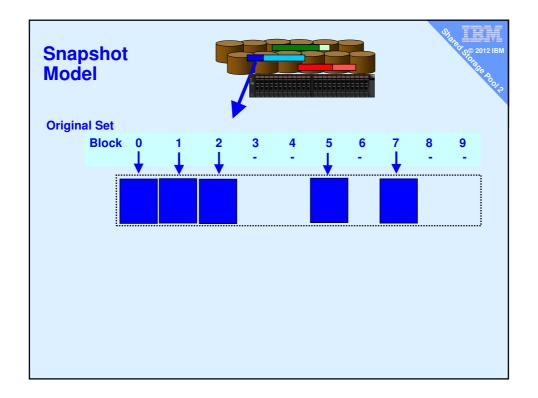


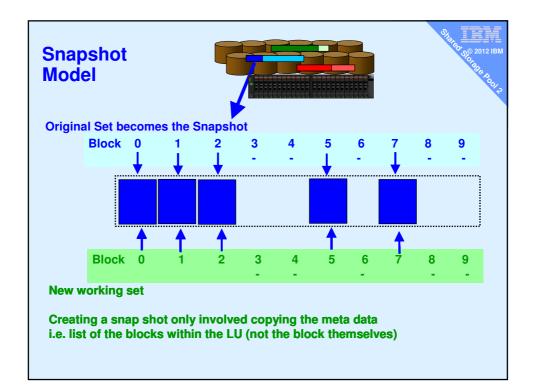


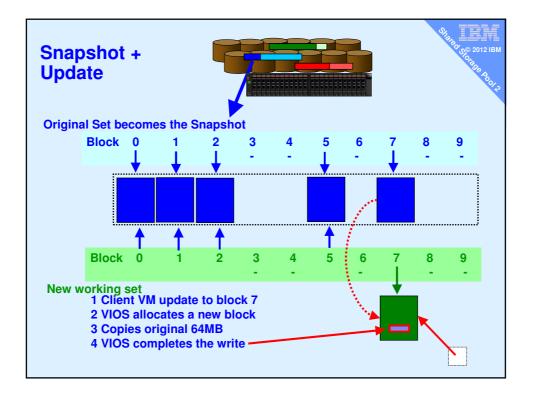


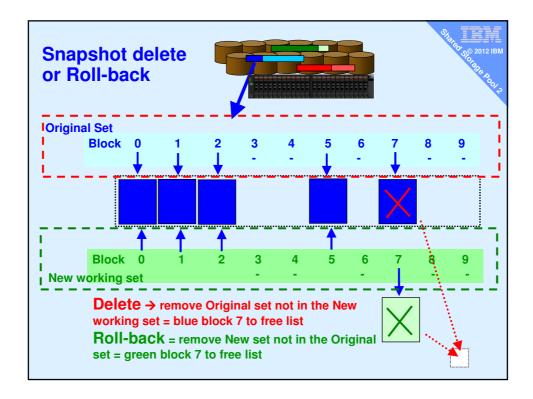
<b>Snapshot – c</b> Create	reate and	list	91 80 500 2012 IBM 00 700 2012 IBM 00 700 80 80 100
		.snap <b>-clusterna</b> _diamond5a	me galaxy
	Size(mb)	<b>e</b> galaxy - <b>spname</b> ProvisionType THIN	
Also snap shots \$ lssp -clusterna Lu Name vdisk_diamond5a Snapshot diamond5s.snap	<b>me</b> galaxy - Size(mb)	<b>sp</b> atlantic <b>-bd</b>	Lu Udid b3f3a
vdisk_diamond6a	16384	THIN	4c9e9

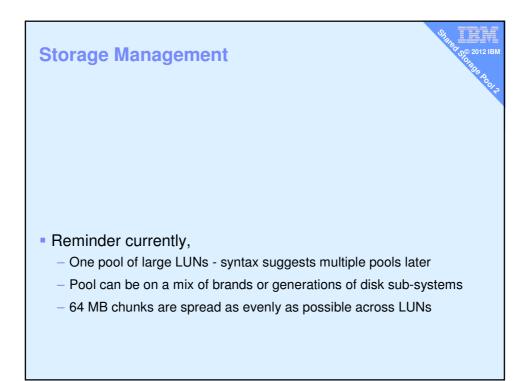


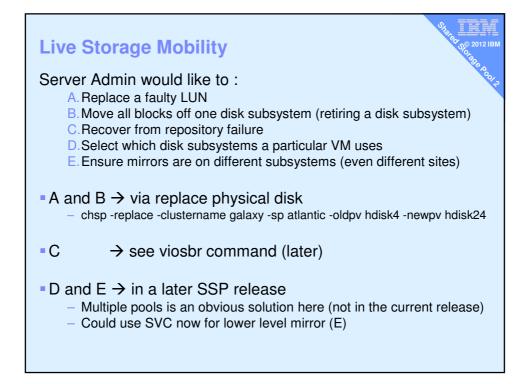


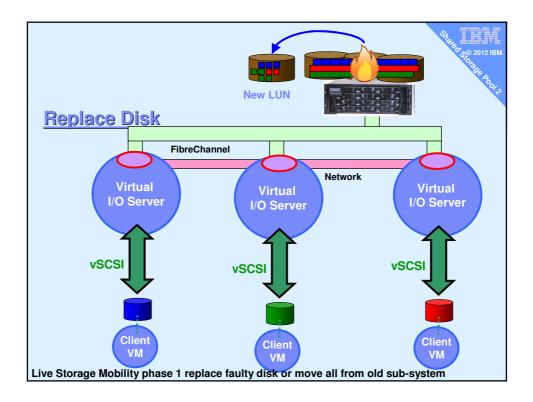


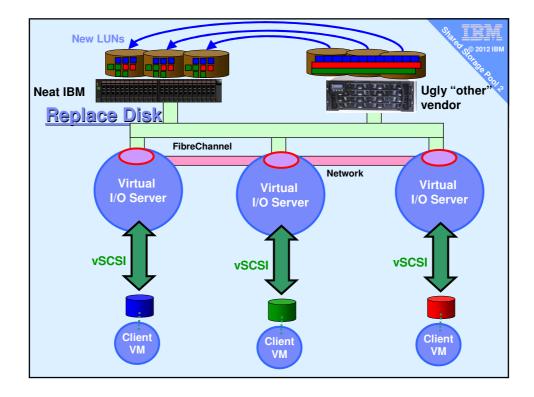


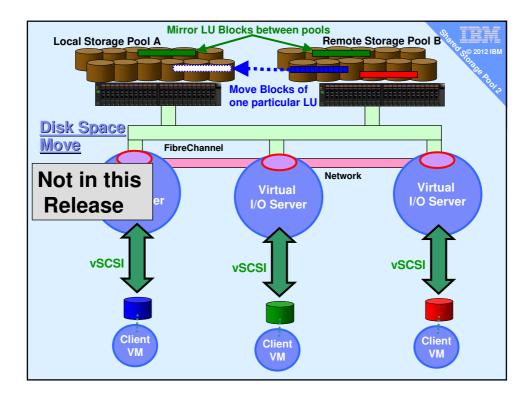




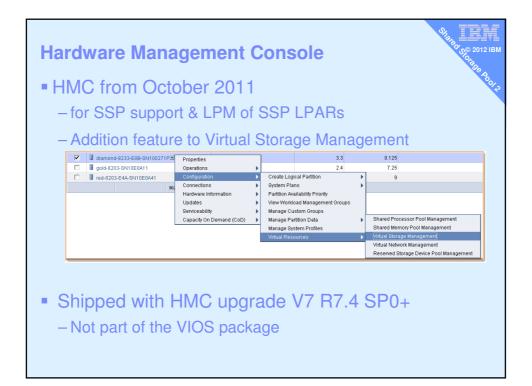


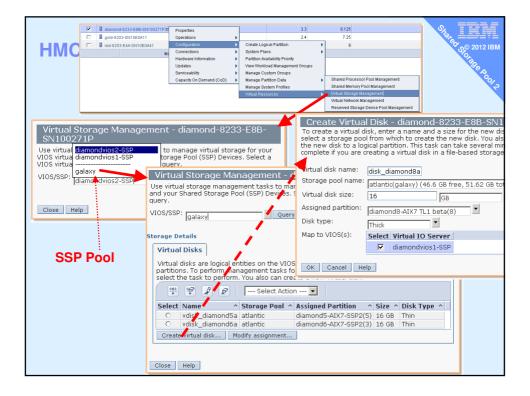




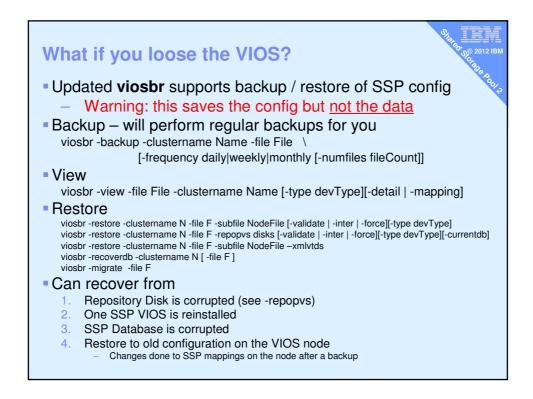


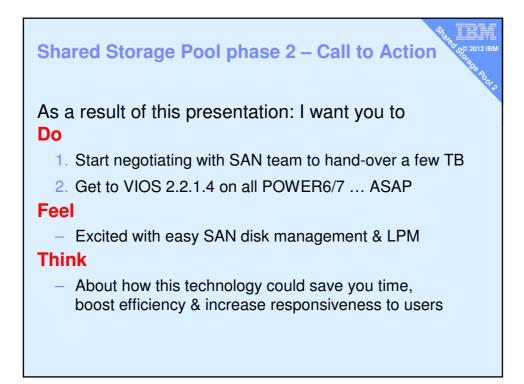
User Interface
Command line
<ul> <li>Already shown in this presentation by example</li> </ul>
- Some feature will remain command line only $ ightarrow$ like: cluster -create
<ul> <li>cfgassist</li> </ul>
<ul> <li>This is the VIOS version of smitty</li> </ul>
<ul> <li>Menu driven interface for CLI</li> </ul>
<ul> <li>Fully covers SSP functions</li> </ul>
<ul> <li>Graphical User Interface</li> </ul>
<ul> <li>HMC – now (note the don't have any VIOS vSCSI slots in "Any node"</li> </ul>
- Svotom Director - Euture release
<ul> <li>System Director - Future release</li> </ul>
<ul> <li>Already has Storage Pools concept and features</li> </ul>
<ul> <li>SSP is just another storage pool type</li> </ul>
<ul> <li>Then may adds new unique items – like</li> <li>VMControl appliance deploy to SSP disk space or cloning</li> </ul>





НМС					Virtual Storage Management - diamond-8233-E8B-SN100271P Use virtual storage management tasks to manage virtual storage for your VIOS virtual servers and your Shared Storage Pool (SSP) Devices. Select a VIOS virtual server or an SSP Device to query. VIOS/SSP: diamondvios1-SSP Query							
				itorage	Details	<u></u>						
				Virtu Disks		Storage Pools		Physical Volumes		Optical Devices	Virtual Fibre Channel	
Use virtual st servers and y	Virtual Storage Management – diamond-8233-E8B-SN100271P Use virtual storage management tasks to manage virtual storage for your VIOS virtual servers and your Shared Storage Pool (SSP) Devices. Select a VIOS virtual server or an SSP Device to query.									ient al		
VIOS/SSP: d	amondvios1-SSF	Query					1	age Pool \land	Assign	ed Partition	^ Size ^	
storage Detai	5	·				1	ivg ivg	None None None None		25 GB 256 MB 16 GB 16 GB		
Virtual Disks						l Fibre el		vg	None	nd8-AIX7 TL1 bet	16 GB	
partitions.	o perform mana	ties on the VIOS gement tasks fo perform. You als	r existing virt	ual disks	, select	a virtual		r assignment.		Show shared sto	rage pool stora	age
*** **	22	Select Action	n 💌						Т			
Select Na	ne ^ s	Storage Pool \land	Assigned Pa	rtition	^	Size ^						
O fslv		lientvg	None			25 GB						
O log O vdi	v00 c k diamond5a a	lientvg	None			256 MB						
- 1 641	k diamond6a a		diamond6-AI	x616-SS	P2(3)	16 GB	Π					
	k_diamond8a a		diamond8-AI									
		lientvg	None			16 GB						
		lientvg	None			16 GB						
	-	lientvg	None diamond8-AI	V7 TI 1 4		16 GB						
Create virt		lientvg lify assignment	Show sh									





99	P2 command cheat sheet Reference Only
1. 2.	chdev -dev <device name=""> -attr reserve_policy=no_reserve</device>
2.	-spname atlantic -sppvs hdisk3 hdisk5 -hostname bluevios1.ibm.com
3.	cluster -list
4	cluster -status -clustername galaxy
5.	cluster -addnode -clustername galaxy -hostname redvios1.ibm.com
6.	cluster -rmnode [-f] -clustername galaxy -hostname redvios1.ibm.com
7.	cluster -delete -clustername galaxy
8.	lscluster -s or -d or -c or -i = CAA commands
9.	chsp -add -clustername galaxy -sp atlantic hdisk8 hdisk9
10.	chsp -replace -clustername galaxy -sp atlantic -oldpv hdisk4 -newpv hdisk24
11.	mkbdsp -clustername galaxy -sp atlantic 16G
	-bd vdisk_red6a -vadapter vhost2 [-thick]
12.	rmbdsp -clustername galaxy -sp atlantic -bd vdisk_red6a
	lssp -clustername galaxy -sp atlantic -bd
	lssp -clustername galaxy
	alert -set -clustername galaxy -spname atlantic -value 80
	alert -list -clustername galaxy -spname atlantic
	errlog -ls snapshot -create name -clustername galaxy -spname atlantic -lu LU42
	snapshot -delete name -clustername galaxy -spname atlantic -lu LU42
20.	snapshot -celete hame -clustername galaxy -sphame atlantic -lu LU42
	snapshot -list -clustername galaxy -spname atlantic
	viosbr -backup -clustername galaxy -file Daily -frequency daily -numfiles 10
	viosbr -view -file File -clustername Name
24.	viosbr -restore -clustername Name