# vinchin

VINCHIN BACKUP & RECOVERY V4.0

## User Guide

For SANGFOR HCI Backup

2018/11

INNOVATIVE VM BACKUP PROVIDER









Partner Independent Software Vendor

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### **Summary**

### **Product Overview**

Vinchin Backup & Recovery is an easy-to-use, secured and reliable virtual machine data protection software designed to support multiple hypervisors including VMware vSphere, Citrix XenServer, RedHat Virtualization and open-sourced KVM under different virtual environments. It is an image-based agentless backup product which can be seamlessly integrated with your existing virtualization environments.

Vinchin Backup & Recovery supports Web UI management which allows users to manage & monitor any of their backup/restore tasks on either PC, mobile or tablet device. Flexible backup schedules set by daily, weekly, monthly let the backup jobs run as scheduled without system manager. All you need to do is to pre-set the job schedule when first running the software. Meanwhile, the Retention Policy helps users "save the valid" and "delete the expired" backed up data, so as to ensure the continuous operation of the backup tasks and same time save data repository space. When a disaster occurs cause the damage of the virtual machines, you only need to choose the latest restore point and specify a target host to restore to, the virtual machines will be recovered to the pre-disaster status. To help the administrators monitor and review their backup & restore jobs, Vinchin Backup & Recovery supports current jobs view, history jobs review, system logs review and management etc.

### **Key Features**

- High Compatibility: Supports VMware, XenServer, RedHat, OpenStack, Sangfor, H3C, Inspur and other open-sourced KVM / XenServer based hypervisors.
- Agentless Backup: No need to install any agent on guest OS, Vinchin Backup & Recovery system directly
  protects VMs on hypervisor-level, leads non-consumption of OS resources. Thus to reduce VM deployment
  and maintenance workload.
- Smart Backup Strategy: Flexible & smart backup strategies help to do backup & restore jobs as scheduled according to your actual demands in different scenarios.
  - Time granularity of full backup, incremental backup and differential backup can be set to minute-level. Which means your backup job can be automatically repeated every xxx hours/minutes/seconds.
  - Multiple VMs can be backed up and restored concurrently under virtual environments.
  - CBT and valid data comparison technology realizes valid data backup in VMs, and minimizes the backup time.
  - Use bank grade AES encryption to secure the transmission of VM backups. Also support data logic/physical isolation.
- LAN-Free Data Transfer: Using LAN-Free to backup and restore for VMware, XenServer and RHV under SAN

environment helps speed up backup and recovery time, lower the production system load.

- Instant VM Recovery: Instant VM Recovery helps to recover TB sized VMs in 15 secs, all business recovery in 1 min, minimized the break-off time of critical businesses.
- Quick-verify Recovery Availability: Recovering the VM backups to Data Verification Area (which is isolated with Business Area) by Instant VM Recovery helps to quick-verify the availability of backed up data.
- Full VM Recovery: When any damage or mistaken-delete happens to the backed up VM, you can fully restore it from any backup point in time rather than just "the latest backup point".
- Live Migration: After instantly recovering, the VM can be synchronously migrated to the production area via virtualization platform live-migration or Vinchin Backup & Recovery's live migration function without effecting the normal operation of your business.

### **Platform Support**

Vinchin Backup & Recovery supports for the following virtualization platforms:

- VMware ESXI: 4.0 4.1 5.0 5.1 5.5 6.0 6.5 6.7 vSAN 6.x
- Citrix XenServer: 5.6 6.x 7.x
- RedHat RHV/Ovirt: 4.0 4.1 4.2
- OpenStack + Ceph
- Sangfor HCI: 5.x
- H3C CAS: CAS 3.0 E0303/E0306
- Inspur InCloud Sphere: 4.0 4.5

### System Login

Deploy the Vinchin Backup & Recovery in your virtual environment by following "Quick Installation Guide". Then you are able to access the below Vinchin Backup & Recovery Web UI Login Portal by entering corresponding IP address (e.g. http://192.168.65.1) via web browser (Google Chrome is recommended). Default username: admin Default Password: 123456



Note: If you forget your password:

- 1. Operator/Auditor, please contact your administrator to reset your password.
- 2. Administrator, please contact Vinchin Support Team to reset your password.

### **Home Page Overview**

vinchin 🖷 Home & Backup/Restore 🗸 📓 Resources 🗸 🚇	Log/Alert ~	요 admin ~
∉ Dashboard >		· 2017-12-20 16:13:38
23.2Hours System Uptime 57.4GE Total Backu	22Jobs History	5Jobs <sub>Current</sub>
♦ VM & Repository	★ Job Monitor	More V X
VM-Protected Used Space	Current Job     S History Job	
164 37CB	Eackup]Redhat RHV/OvirtBackup1 Running 4MB/	819.2KB/s
81VM(s)	[Backup]Citrix XenServerBackup1 Pending	6 hour after
CDITIIsaao	[Backup]H3C CASBackup1 Pending	6 hour after
	▲ [Backup]InCloud SphereBackup1 Pending	6 hour after
0.9%	[Backup]VMware vSphereBackup1 Pending	6 hour after
0.6%		
0%		
Network Flow	×	
1.2KB/s 0.9KB/s		
0.6KB/s		
0.5KB/s		
Copyright © 2017 Vinchin build: 4.0.4323		

"System Uptime" is the system running time from the initial start-up to present (now).

"Total Backup" shows the accumulative backup size from the first backup to the latest backup.

"Current" shows current running job quantity.

- "History" shows performed job quantity.
- "CPU Usage" shows the CPU usage of the Vinchin backup server.

"Network Flow" shows the real-time network traffic of the system.

"VM & Repository" shows the number of protected/unprotected VMs and used/free space of backup repository. "Current Job" shows the current job list, click "more" to review the current job details at "current Job" page. "History Job" shows the history job list, click "more" to review the history job details at "History Job" page.

### **Getting Started**

Upload Vinchin Backup & Recovery system licence.key, details please refer to System License.



Add a storage location as backup repository, details please refer to Manage Backup Repository.



Add a standalone host or a virtual machine cluster which need to be backed up, details please refer to <u>Virtual</u> Infrastructure.



Create a new backup job to protect the target VMs, details please refer to **Backup/Restore Job**.



### **Resource Management**

### **System License**

Before starting backup your VMs, you need to get a license key from Vinchin and successfully activate your license in Vinchin backup server from **Resources**  $\rightarrow$  **System License** as below:



Then go to the **System License** page, click "Download Thumbprint", a txt file named "thumbprint.txt" will be downloaded. Send this txt file to support@Vinchin.com and you will receive an email with corresponding "license.key" file in a minute.

vinchin	🚮 Home	😔 Backup/Restore 🗸	🖁 Resources 🗸 🙆	© Log/Alert ∽
System License				
a License Info				
血 Username : 動 Edition : み License : ③ Expiration :	 Unlicensed		▲ Downlo O System 1. U 2. D	ad Thumbprint Ulcense Ulcense Unloads system is not allowed to perform any backup/ restore job, please follow the instructions below to get the system license. Download thumbprint file.
License Type : Number of Hosts : Numer of VMs :			3. 5 4. 0 5. 1	Send thumbprint file to support@vinchin com to get a license key. Jpload the license key in the Vinchin Backup & Recovery system. f you've already got the license key, please upload it to get your system licensed.

After receiving the "licence.key" file, click "Upload License", choose the "licence.key" file and click "open":

vinchin	🖷 Home	Backup/Restore	😤 Resources 🗸 3 🗘 Log/Alert 🗸
System License			•
ticense Info			
			Download Thumborint     Thioad License
Edition :			
& License :	Unlicensed		O System License:

After uploaded the "license.key" file, you will see the detailed information of your username, software edition (Standard or Enterprise), expiration date, license type and license limitations etc.

If you already have a license in hand, please upload it directly.

If you are using a perpetual license, there will be no expiration date. If you are using a trial license, the license will

be expired and unavailable after a specified period. Please contact Vinchin Support for a perpetual license before expiration.

Licens	se Info	
1	Username :	
ti	Edition :	Enterprise
\$	License :	Trial License (365 days left)
C	DExpiration :	2018-12-26 17:28:05
L	icense Type :	Per Host
N	lumber of Hosts :	2/50
N	lumer of VMs :	Unlimited
s	torage Capacity:	Unlimited
N	lumber of CPUs :	Unlimited
N	lode Expansion :	Unlimited

### Manage Backup Repository

Backup repository is a place to store backed up data. Vinchin Backup & Recovery system supports multiple types of storage as backup repository including Partition, Local Disks, LVM, FC, iSCSI, NFS and CIFS. Users can add any of them when necessary. Click **Resources**  $\rightarrow$  **Backup Repository** as below:



### **Add Backup Repository**

Click "Add" in the **Backup Repository** page to add a new backup repository by following below steps:

vinchin	🕷 Home	😔 Backup/R	estore ~	🖁 Reso	urces v 2	👃 Log/Alert ∨
Backup Repository					•	
Backup Repository List						
+ Add 🕼 Edit 💼 Delete	🛢 Manage Imp	oorted Backups				
Nan	ne		Туре		Mount Node	
+						No

First, choose a backup node from the "Node IP address/domain" where you want to mount your backup repository. If there's more than one backup node in your virtual environment, choose one of them to mount your target storage resource as a backup repository.

Second, specify a storage type which you want to add as backup repository as below:

vinchin	希 Home	🛷 Backup/f	Restore ~	🖁 Resources 🗸 2	🗘 Log/Alert ~	
Add Backup Repository				•		
Backup Repository Co	nfigurations					
	Node IP address	/domain *	localhost.I Repository will	ocaldomain(192.168.101.4 be mounted to the selected ba	2) ckup node.	v
	Stora	ge Type *				•
		Name	Partition Local Disk LVM Fibre Char iSCSI NFS	nnel		
			CIFS	Ok		

Note: Please make sure the specified storage type is the one your production system actually is using.

Third, set up a critical value of storage from storage alert so that when your backup storage is insufficient, system will alert and send you email notification.

Storage Alert	On							
Mode	Percent	tage						•
	Percen	tage						
	Size							
Value	20	^	~	%				

#### Partition

Choose Partition from the "Storage Type", system will recognize the un-mounted /un-used partitions as below shows:



Tick the selected partition, if there is previous backed up data in this partition, you can choose to import the backups so that you can restore them whenever necessary:



After importing the previous backups, please refer to Manage Imported Backups to manage these backups:

vind	:hin	# Home	Backup/Restore	<ul> <li>✓</li></ul>	🛞 Resources 🗸 👃 L	og/Alert ~ 2			요 admin ~
Backup R	epository				Virtual Infrastructure				
Back	kup Repo	sitory List			🗞 Backup Repository				
+ Add	Ø Edit	🖹 Delete 📑 Manage Import	ed Backups		06 LAN-Free Settings				
Page	1	> of 1   View 10 • recor	ds   Total 2 records		📥 Backup Node				
		Name 🖨	Type	Mount Node	🖦 Agent Management	de Status 🔅	Capacity	Free Space	Repository Status
÷		本地磁盘2	Local Disk	localhost.localdomain(19	nh⊷ My agent	rmal	599.71GB	24.43GB	Normal
÷		本地磁盘1	Local Disk	localhost.localdomain(19	요 User Management	rmal	299.85GB	23.59GB	Normal
					System Settings				
					& System License				

If you don't want to save these data, you can tick "Format" to format the repository: Warning: If you choose "Format", all the data in this repository will be erased.

### **Local Disk**

Choose Local Disk from the "Storage Type", system will recognize the un-mounted /un-used disks as below:



Tick the selected disk, a window with Format Storage will come out as below:

aldomair			
moun	Add Backup Repository	×	
rpe fo Na /de	<ul> <li>The repository to be added /dev/sdb contains below partitions /dev/sdb1</li> <li>After adding, all partitions contained in the repository will be formated and data will be lost!</li> <li>If you need to reserve the data, please add the repository from [Partition]!</li> </ul>		/ 4 \
in you his rep	Format Format Repository Format the storage device will wipe all its data		S
	Cancel	k	

Warning: If you add a local disk as backup repository, the disk will be forcibly formatted, all the data in this disk will be erased.

After adding repository completed, you can see the added repositories in the **Backup Repository List** as below:

n Backup	Repositor	y List						
+ Add	G? Edit 📋	Delete SManage Imported Backup	rs -					
Page <	1 >	of 1   View 10 🔹 records per pag	e   Total 1 records					
Page <	1 >	of 1   View 10 • records per pag	e   Total 1 records	Mount Node	Node Status	Capacity	+ Free Space	* Repository Status

### LVM

Choose LVM (Logic Volume) from the "Storage Type", system will recognize the un-mounted /un-used logic volumes as below:

Node IP address/domain *	localhost	localdomain(192.168.101.42)	*		
	Repository wil	I be mounted to the selected backup node.			
Storage Type *	LVM		•		
	Select a stora	ge type for the repository			
Storage Resource *		Name		▲ Туре	Capacity
	<b>V</b>	/dev/mapper/vinchin_vg-vinchin_lvm		LVM	200GB
Name	LVM1 Type a name f	for this repository.			

Tick the selected LVM, if there is previous backed up data in this LVM, you can choose to import the backups so that you can restore them whenever necessary:

17restore points.	
ted to Vinchin	
all its data	
	all its data

After importing the previous backups, please refer to Manage Imported Backups to manage these backups:

vind	:hin	Home	Backup/Restore	✓	🖁 Resources 🗸 👢	Log/Alert 🗸 📀			요 admin ~
Backup R	epository				low Virtual Infrastructure				
Back	kup Repo	ository List			🗞 Backup Repository				
+ Add	C Edit	i @ Delete Se Manage Import	ed Backups		Øg LAN-Free Settings				
Page <	1	> of 1   View 10 • recor	ds   Total 2 records		📥 Backup Node				
		Name 🍦	Type 👙	Mount Node	🔥 Agent Management	de Status 💧	Capacity	Free Space	Repository Status
Ŧ		本地磁盘2	Local Disk	localhost.localdomain(19	ၨ <b>n</b> - My agent	rmal	599.71GB	24.43GB	Normal
+		本地磁盘1	Local Disk	localhost.localdomain(19	Ω User Management	rmal	299.85GB	23.59GB	Normal
					🔑 System Settings				
					🗛 System License				

If you don't want to save these data, you can tick "Format" to format the repository. Warning: If you choose "Format", all the data in this repository will be erased.

After adding a LVM as backup repository, you can see the added repositories on the **Backup Repository List** page as below:

vinc	hin	🖷 Home 🛛 😔 Backi	p/Restore 🗸 🔡	Resources 🖌 🔔 Log/Alert 🗸				요 admin ~
Backup Rep	ository							
🚯 Backup	Repository	' List						
+ Add	G? Edit 🔒	Delete 📑 Manage Imported Backu	os -					
Page <	1 > 0	f 1   View 10 • records per page	e   Total 1 records					
		Name	🕴 Туре	Mount Node	Node Status	Capacity	Free Space	🔻 Repository Status
÷		LVM1	LVM	localhost.localdomain(192.168.101.42)	Normal	199.9GB	199.87GB	Normal

### **Fibre Channel**

Choose Fibre Channel from the "Storage Type", system will recognize the Fibre channel information and WWPN No. of HBA card. Map the LUN of FC storage server to the backup server. After mapping, choose FC again from the "Storage Type", system will recognize the mapped LUN as below:

Node IP address/domain *	localh	ost.localdomain(192	.168.65.	5)	•					
	Repository	will be mounted to the	selected	backup node.						
Storage Type *	Fibre (	Channel			•					
	Select a st	orage type for the repo	sitory							
Fibre Channel	No.	Channel		wwnn	wwpn				Speed	Status
	1	host0		20:00:00:1b:32:81:7f:ed	21:00:00	0:18	b:32:81:7f:ed		4 Gbit	Normal
	Map the ta	rget FC LUN to the cor	respondin	g WWN						
Storage Resource *		Name				*	Туре	Ca	pacity	
		/dev/sdd1					VMware vSphere	зт	3	
	If there is p	partition in your storage	resource,	and you want to save the partition data,	please select " Partition" fro	m t	he Storage Type.			
Name	Fibre C	hannel1								
	Type a nar	ne for this repository.								

After adding a FC storage as backup repository, you can see the added repositories in the "Backup Repository List"

as below:

vinch	in	# Home 😔 Backup	Restore - 🙁 Res	ources ~	.Q. Log/Alert ∨				g, admin 🗸	
Backup Repos	Badup Repository									
🚯 Backup F	n Backup Repository List									
+ Add G	+Add 07 Edit 🗈 Delete 🛢 Manage Imported Backups									
Page <	1 > of	1   View 10 • records   Total 1 r	ecords							
		Name	Туре	Mount Not	ie ¢	Node Status	Capacity	Free Space	Repository Status	
Ŧ		Fibre Channel1	Fibre Channel	localhost.k	ocaldomain(192.168.64.213)	Normal	ЗТВ	ЗТВ	Normal	

Note: If you add a FC storage as backup repository, the FC storage will be forcibly formatted, all the data in this storage will be erased. If there are previous backup data in this FC storage and you don't want to format it, please add this storage via "Partition".

#### iSCSI

Choose iSCSI from the "Storage Type", you will see the iSCSI IQN information. Map the LUN of iSCSI storage server to the backup server IQN. After mapping completed, enter iSCSI server address and click "Scan the Target", system will recognize the mapped LUN as below:

Node IP address/domain *	localhost.loca	Idomain(192.168.101.42)			•							
	Repository will be n	nounted to the selected backu	p node.									
Storage Type *	ISCSI				•							
	Select a storage typ	be for the repository										
ISCSI Name *	iqn.1994-05.con	n.redhat:347bf96bc2c7										
iSCSI Server *	192.168.1.183		~	3260	~							
	Enter IP address of connection between available. ,If multiple	the ISCSI server. Please mak the backup node and the ISC e paths exist, you can add an	e sure the networ CSI server is address	rk Port								
	Scan Target											
Target LUN •		Name 🔺	iqn							Туре	Capacity	
	<b>V</b>	/dev/sdc	iqn.2002-10.co	om.infortrend:ra	id.uid33	5812.001				ISCSI	500GB	
	If there is partition i	n your storage resource, and y	you want to save t	the partition data	, please s	elect " Partit	tion" from the	Storage Typ	e.			
Name	iSCSI1											
	Type a name for thi	is repository.										

Choose a LUN and click "OK", the iSCSI storage will be added successfully. After adding an iSCSI storage as backup

repository, you can see the added repositories in the "Backup Repository List" as below:

vincł	nin	🖷 Home 🤞	♂ Backup/Restore ∨		Log/Alert ~				요 admir
Backup Repo	sitory								
🚯 Backup	Repository	/ List							
+ Add	🕼 Edit 🔋	Delete 🛛 🛢 Manage Importe	ed Backups						
Page <	1 > 0	f 1   View 10 • record	ds per page   Total 1 records						
		Name	🕴 Туре	Mount No	de 🔶	Node Status	Capacity	Free Space	+ Repository Status
÷		ISCSI1	ISCSI	localhost.lo	caldomain(192.168.101.42)	Normal	499.75GB	499.72GB	Normal

Note: If you add an iSCSI storage as backup repository, it will be forcibly formatted, all the data in this storage will be erased. If there are previous backup data in this iSCSI storage and you don't want to format it, please add this storage via "Partition".

#### NFS

Choose NFS from the "Storage Type", enter your shared folder path as below:

Node IP address/domain *	localhost.localdomain(192.168.101.42)	٠
	Repository will be mounted to the selected backup node.	
Storage Type *	NFS	٠
	Select a storage type for the repository	
Share Folder *	192.168.67.8:/root/nfs	~
	NFS share folder, e.g. 192.168.1.10:/path/directory	
Name	NFS1	
	Type a name for this repository.	

If there is previous backed up data in this storage, you can import these data to Vinchin backup server by ticking "Import Backups" option so that you can restore them whenever necessary:



After importing the previous backups, please refer to Manage Imported Backups to manage these backups:

vine	zhin	# Home	Backup/Restore	🗸 🔍 DR Drill 🗸	🛞 Resources 🗸 🗘 Lo	og/Alert v 2			요 admin ~
Backup R	lepository				low Virtual Infrastructure				
🐞 Bac	kup Repa	ository List			🗞 Backup Repository				
+ Add	C? Edit	: 🗊 Delete 📑 Manage Imp	orted Backups		0% LAN-Free Settings				
Page	1	→ of 1   View 10 ▼ rec	ords   Total 2 records		🚠 Backup Node				
		Name	A Tree	Mounthlade	🔥 Agent Management	de Ctetue	Canacity	Eres Cases	Dependent Status
		Name	ype	Mount Node	♣ My agent	ue status	Capacity	Free space	Repository status v
+		本地磁盘2	Local Disk	localhost.localdomain(19		rmal	599.71GB	24.43GB	Normal
+		本地磁盘1	Local Disk	localhost.localdomain(19	A User Management	rmal	299.85GB	23.59GB	Normal
					System Settings				
					.Q. System License				

If you don't want to import these data, click "OK" without ticking the "Import Backups". Note: The share folders' previous data will not be erased when adding NFS storage.

After adding the NFS storage completed, you can see the added repositories in the "Backup Repository List" as below:

vincl	nin	# Home 😔 Backu	p/Restore ~ 🙁		🗘 Log/Alert ~				요 admin v
Backup Repo	aduup Repository								
Backup	Repository	List							
+ Add	G' Edit 🔋	Delete 📑 Manage Imported Backup	S						
Page <	1 > 0	f 1   View 10 • records per pag	e   Total 1 records						
		Name	туре	Mount No	de 🔶	Node Status	Capacity	Free Space	Repository Status
+		NFS1	NFS	localhost.lo	caldomain(192.168.101.42)	Normal	499.76GB	190.87GB	Normal

### CIFS

Choose CIFS from the "Storage Type", enter your shared folder path, username and password as below:

Node IP address/domain *	localhost.localdomain(192.168.101.42)	*
	Repository will be mounted to the selected backup node.	
Storage Type *	CIFS	•
	Select a storage type for the repository	
Share Folder *	//192.168.67.12/gongxiang	×
	CIFS share folder, e.g. //192.168.1.10/path/directory	
Username	vinchin	~
	Username for accessing CIFS	
Password		~
	Password for accessing CIFS	
Name	CIFS1	
	Type a name for this repository.	

If there is previous backed up data in this storage, you can import these data to Vinchin backup server by ticking "Import Backups", so that you can restore them whenever necessary:



After importing the previous backups, please refer to Manage Imported Backups to manage these backups:

vir	nchin	# Home	Backup/Restore	<ul> <li>✓ @ DR Drill ✓</li> </ul>	🛞 Resources 🗸 🔔	Log/Alert 🗸 🕗			பூ admin ~
Backup	p Repository				low Virtual Infrastructure				
🐞 Ba	ackup Repo	ository List			🗞 Backup Repository				
+ 4	dd 🕼 Edi	t 🖹 Delete 📑 Manage Impo	rted Backups		Ø <sup>e</sup> LAN-Free Settings				
Page	< 1	> of 1   View 10 • rec	rds   Total 2 records		🚠 Backup Node				
5					📩 Agent Management		0	F	Description States 4
		Name	iype	Mount Node	- My agent	de Status	Capacity	Free Space 🗸	Repository status
+		本地磁盘2	Local Disk	localhost.localdomain(19		rmal	599.71GB	24.43GB	Normal
+		本地磁盘1	Local Disk	localhost.localdomain(19	A User Management	rmal	299.85GB	23.59GB	Normal
					System Settings				
					Ω. System License				
					All System Electroc				

If you don't want to import these data, click "OK" without ticking the "Import Backups". Note: The share folders' previous data will not be erased when adding NFS storage.

After adding the CIFS storage completed, you can see the added repositories in the "Backup Repository List" as below:

vinc	hin	🖷 Home 😔	Backup/Restore ~	🖁 Resources 🗸	↓ Log/Alert ∨				요 admin ~
Backup Rep	ository			•					
n Backu	p Reposit	ory List							
+ Add	🕼 Edit	🗊 Delete 🛛 🛢 Manage Imported	Backups						
Page <	1 >	of 1   View 10 v records	per page   Total 1 records						
		Name	† Type †	Mount Node		Node Status	Capacity 🕴	Free Space	Repository Status
±		CIFS1	CIFS	localhost.localdomain(	192.168.101.42)	Normal	499.87GB	493.22GB	Normal

Note : The share folders' previous data will not be erased when adding CIFS storage.

### **Edit Backup Repository**

Choose a repository, click "Edit" you can edit the repository name.

vincl	nin	🖷 Home 🛭 😔 Ba	ckup/Restore 🗸 🖁	Resources 🗸	. Log/Alert ∨				요 admin ᡪ
Backup Repo	ository								
🚯 Backup	Repository	List							
+ Add	GY Edit 🔒 🛙	elete 🛛 🗐 Manage Imported Bac	:kups						
Page <	1 > of	1 View 10 • records per	page   Total 1 records						
		Name	🗄 Туре	Mount Nor	ie 🔅	Node Status	Capacity 0	Free Space	Repository Status
Ŧ		Local Disk1	Local Disk	localhost.loc	aldomain(192.168.101.42)	Normal	299.85GB	280.22GB	Normal

vinc	:hin	# Home 😔 Backup/Res	store 🗸 🔠 Resourc	ces 🗸 🗘 Log/Al	lert ~ (21)				ඩු admin ~
Backup Re									
🔂 Back	up Repository								
+ Add	C Edit 1		ıps						
Page		of 1  View 10 🔹 records per page	Total 1 records						
		Name	Туре	Mount Node		Node Status	Capacity	Free Space	Repository Status
		Local Disk1	Local Disk	localhost.localdo	main(192.168.30.31)	Normal			Normal
				🕼 Edit Reposit	tory	×			
				Name *	Local Disk1				
					Type a name for this repository				
						_			
					Can	cel Ok			

### **Delete Backup Repository**

You can delete any of the repositories from the "Backup Repository List". Choose a repository, click "Delete". If there are backup data in this repository, system will remind you as below:

		×
The repository you at running job. After repository deleted backup data will remain the corresponding job, delete the repository?	re deleting has backed up data or it is occupied by a . The associated time point record will be deleted, in this repository, an error will be reported on the you need to change the repository, are you sure to	
Restore Points :	17	
Total Size:	16.89GB	
Number of Jobs :	4	
Job Name :	Citrix XenServerBackup1 VMware vSphereBackup1 VMware vSphereBackup2 Citrix XenServerBackup2	
	Cancel	k

#### Click "OK" to delete the repository. The deleted repository can be re-added via "Partition".

Note: Deleting the repository is a logical action rather than a physical action, which means the VM corresponding restore point record will be deleted, but the backups will not be deleted actually. If you need the backups, you can re-add the data located repository to vinchin backup server. Choose "Partition" to import the data.

### **Manage Imported Backups**

If you have imported the previous backups when adding **Partition**, **LVM**, **NFS** and **CIFS** as backup repository, you are able to manage these data from here.

vin	nch	nin	🖷 Home	Backup/Restore	e ∽ _ @ DR Drill ∽	🖁 Resources 🗸 🗘 I	Log/Alert v 2			요 admin ~
Backup	o Repos	isitory				low Virtual Infrastructure				
🚯 Ba	ackup	Repos	sitory List			🗞 Backup Repository				
+A Page	xdd () < () () () () () () () () () () () () () (	C Edit	⑦ Delete Manage Import In 1 View 10 ▼ record Name *地磁盘2 本地磁盘1	ted Backups ds   Total 2 records Type Local Disk Local Disk	Mount Node localhost.localdomain(19 localhost.localdomain(19	o© LAN-Free Settings ♣ Backup Node ♣ Agent Management ♣ My agent ♀ User Management	de Status rmal	<b>Capacity</b> 599.71GB 299.85GB	Free Space            24.43GB         23.59GB	Repository Status   Normal Normal
						System License				
/inc	chii	n ed Backu	ল Home াত Backu pS	up/Restore > 😤 F	Resources v Q. Log/Ale	A System License				<u> 段</u> admin
/inc lanage l e Impo et Ass Page	chii Importe orted B sign	IN ed Backu Backups Delete	# Home ি Backu ps LList of I) Wew 10 ▼ records per pag	up/Restore ∨ 😤 F	Resources - 🗘 Log/Ale	A System License A System License			-	L admin
/inc lanage l e Impo et Ass Page (	chii Importe orted Bi sign = < 1	IN ad Backups Backups Delete	≪ Home	µprRestore ∽ <mark>81 F</mark> ge∏otal 4 records	Resources - & Log/Ale	A System License A System License It →	Great	ion Time	Restore Points	L admin
/inc lanage l e Impo e Ass Page (	Chii Importe orted Ba sign (1) < 1	IN ad Backups Backups Delete No. 1	Home S Backu ps List      Job Name      Cith XenServerBackup2	µprRestore → 81 F ge Total 4 records	Resources - () Log/Ale	A System License	Creat 2017-	ion Time 12-26 15-51-47	Restore Points     4	L admin Total Size 1.3768
rinc enage l erage < Page < €	chii Importei orted B Sign 2 (1	IN ad Backups Boelete No. 1	# Home	µprRestore → 81 F ge Total 4 records	Resources V () Log/Ale	A System License  A System License  It  Platform  Catrix XenServer  VMware vSphere	Creat 2017- 2017-	ion Time 12-26 15-51-47 12-26 12 08-56	Restore Points     4     1	<ul> <li>Ω admin</li> <li>O Total Size</li> <li>1.37G8</li> <li>6.71G8</li> </ul>
Vinc lanage l e Impo et Ass Page < E E	chii Importe Bign 1 2 3 3 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	I) Hed Backups Bach	# Home         P Backups           List         Image: State of 11 View         Imag	up/Restore ~ & R f	Resources - O Log/Ale	A System License  A System License  It  Platform  Chtk XenServer  VMware vSphere  VMware vSphere	Creat 2017- 2017- 2017- 2017-	Jon Time 12-26 15-51-47 12-26 12-08-56 12-26 12-08-38	<ul> <li>Restore Points</li> <li>4</li> <li>1</li> <li>3</li> </ul>	<ul> <li>A admin</li> <li>Total Size</li> <li>1.37G8</li> <li>6.71G8</li> <li>724.31M8</li> </ul>

If you want to restore the imported backups, you need to first assign them to an user who has right to manage the backups, click "Assign" as below:

vinchin	# Home 🛛 🕹 Backup/Restore ~	😫 Resources 👻 🚨 L	og/Alert ~				요 admin ~
Manage Imported Backups		•					
Imported Backups List							
😂 Assign 🖀 Delete							
Page < 1 > of 1   V	/iew 10 • records per page   Total 1 record	s					
No. Jot	b Name		Platform		Creation Time	Restore Points	Total Size
	rix XenServerBackup2		Citrix XenServ	er	2017-12-26 15:51:47	1	699.01MB
		🖻 Assigr	n to User			×	
		Nun	nber of Jobs	1			
			Assign t	admin			
			Assign		·		
				assign the imported back	kups to		
					Cancel	Ok	

Log in the target user account, the assigned backups is listed in his **Backup/Restore** $\rightarrow$  **Restore Points** page:

vinchin	🖶 Home	✤ Backup/Restore ∨	🖁 Resources 🗸 🔱 Log/Ale	ert ~
# Dashboard >		⊕ New Job	😐 Monitor & Manage	
		A VM Backup	🐵 Current Job	
	28.4Ho	🖘 VM Restore	ා History Job	GB
	System l	* VM Instant Recovery	🖵 Restore Points	ackup
			💷 Virtual Machines	
WM & Repository				$\sim \times$

Note: You can create a new restore job to restore the imported backups, the imported backups will be scanned out automatically when creating new restore job.

If you don't need the imported backups, you can delete them by clicking "Delete" as below.

vine	chi	n	# Home & Backup/Restore ~	🖀 Resources 🗸	⇔ Log/Alert ~				admin
Managel	Importi	ed Backup	S						
🐞 Imp	orted E	Backups I	ist						
ピ Ass	ign	🖹 Delete							
Page	< 1	> of	1   View 10 • records per page   Total 1 records	3					
		No.	Job Name		Platform	Creation Time	Restore Points	Total Size	

Warning: Once deleted, the imported backups are unrecoverable permanently.

### **Virtual Infrastructure**

Before starting backup, you need to register your virtual infrastructure (either a VM Manager Server e.g. vCenter or a standalone host e.g. ESXi host) in Vinchin backup server. Click "Resources"  $\rightarrow$  "Virtual Infrastructure" as below:

vinchin	🖷 Home	😔 Backup/Restore 🗸	😵 Resources 🗸 🚺 🔍 Log/Alert 🗸
Virtual Infrastructure			Wirtual Infrastructure     O
Virtual Infrastructure List			🗞 Backup Repository
+Add CP Edit			Ø <sup>0</sup> <sub>6</sub> LAN-Free Settings
			🚓 Backup Node

#### **Add Server**

Click "Add" you are coming to the virtual infrastructure adding page. Choose a virtualization platform (depends on your virtual environment)  $\rightarrow$  Enter IP address, username, password of individual host /VM Manager Server and rename it, then click "OK" to save.

Platform *	VMware vSphere •
	Select a virtualization platform to be backed up.
IP/Domain *	192.168.64.10
	To backup individual host, please enter its IP address or domain name. To backup multiple hosts, please enter IP address or domain name of corresponding VM Manager server (e.g. vCenter for VMware vSphere).
Username *	root 🗸
	Username of individual host/VM Manager Server
Password *	······ 🗸
	Password of individual host /VM Manager Server
Name	192.168.64.10
	Type a name for the individual host /VM Manager Server

**Platform**: Supports VMware vSphere, Citrix XenServer, RedHat RHV/Ovrit, Sangfor, H3C CAS and Inspur InCloud. **IP Address/Domain**: Either a standalone host IP address/domain (e.g. ESXi host) or a VM Manager Server IP address/domain (e.g. vCenter).

**Username/Password**: The username /password to access to the individual host /VM Manager Server. **Rename**: Edit a name for this new added individual host /VM Manager Server.

#### Note:

- For XenServer, RHV/Ovirt, InCloud Sphere and H3C CAS, it is required to install a corresponding backup plugin on their hypervisors before getting started, details please refer to **Backup/Restore Job**.
- For H3C CAS, port number "8080" is required to be added in the name; For Redhat RHV/Ovirt, "@internal" is required to be added in the username as below:

.uai mi	rastructi	ure								
Virtu	al Infra	structure List								
+ Add	<b>G</b> E	dit 🔒 Delete								
age	1	> of 1   View 10	<ul> <li>records per page   Total 3</li> </ul>	records						
	No.	IP Address	0 Name	Platform	Username	Sync Time	+ Added By	Status	Operation	
	1	192.168.79.60	192.168.79.60	Redhat RHV/Ovirt	admin@internal	2017-12-25 11:49:57	admin	Unauthorized	😂 Sync 🛛 🖍 Auth	
	2	192.168.79.30.8080	192.168.79.30:8080	H3C CAS	admin	2017-12-25 11:48:02	admin	Unauthorized	😂 Sync 🛛 🗸 Auth	
	3	192.168.64.10	192.168.64.10	VMware vSphere	root	2017-12-25 11:41:10	admin	Unauthorized	😂 Sync 🗸 Auth	
	L ID and A	ress to view the virtual infra	structure details including all v	irtual machines'status.						

#### **Edit Server**

After adding the servers, you can find them in the Virtual Infrastructure list. Click "Sync" button, the virtual infrastructure will be synced to the Vinchin backup server.

vine	chiı	n	# Home	Backup/Restore	<ul> <li>Resources -</li> </ul>	↓ Log/Alert ~						£ admin ∨	
Virtual In	rastructi	ure				校 [11] 即可说出	1全屏模式						
😗 Virtu	ial Infra	structure List											
▲ Add 07E01 월 Delete													
Page < 1 > of 1   View 10 • records per page   Total 3 records													
	No.	IP Address		Name	Platform	0 Username	Sync Time	•	Added By	Status	Operation		
	1	192.168.79.60		192.168.79.60	Redhat RHV/Ovirt	admin@internal	2017-12-25 11:49:57		admin	Unauthorized	😂 Sync < Auth		
	2	192.168.79.30:808	0	192.168.79.30:8080	H3C CAS	admin	2017-12-25 11:48:02		admin	Unauthorized	Sync 🗸 Auth		
	3	192.168.64.10		192.168.64.10	VMware vSphere	root	2017-12-25 11:41:10		admin	Unauthorized	Sync 🗸 Auth		
1.Cli 2.Cli	:k IP add :k [Sync]	ress to view the virtua button, the virtual infr	al infrastru astructure	cture details including all virt will be synced to the Vinchi	ual machines'status. n Backup & Recovery system. 1	'his function applies to any upd	ates of the hosts/virtual machine	es in	the virtual infrastructur	9.		×	

Note: This function applies to any updates of the hosts/virtual machines in the virtual infrastructure. You can also click "Sync" to refresh your server when creating a new job.

Tick a virtual infrastructure and click "Edit", you are able to edit the details of the virtual infrastructure, click "OK" to save the changes.

#### **Delete Server**

Tick a virtual infrastructure and click "Delete", the system will re-confirm with you this action as below, click "OK" the server will be deleted.

# Home	e 😔 Backup/Restore	✓ I Resources ✓ ↓	Log/Alert ~						
		Delete Virtual Infrastr	ucture		×				
List		Are you sure to delete this v	Are you sure to delete this virtual infrastructure?						
View 10 V	records per page   Total 3 rec	ords		Cancel	ок				
ess 🔶	Name	Platform	Username	Sync Time 👻	Added By	Status			
79.60		Redhat RHV/Ovirt	admin@internal	2017-12-25 11:49:57	admin	All Auth			

Note: The virtual infrastructure cannot be deleted when it is used in a running job. You must delete the running job before deleting the virtual infrastructure.

#### **Manage Virtual Machines**

Click IP address of one virtual infrastructure you are coming to the page showing the virtual infrastructure details including all virtual machines status. Expanding the virtual infrastructure tree on the left, you will see all the VMs under this infrastructure on the right side.

vine	chir	۱	🖷 Home	Backup/Restore	× .	Resources 🗸	🗘 Log/Al	ert ~ (21)						요 admin
Virtual Inf	rastructu	re												
🚯 Virtu	ual Infras	structure List												
+ Ad	d GY E	dit 📋 Delete												
Page	< 1	> of 1  View	/ 10 🔻	records per page   Tot	al 5 reco	ords								
	No.	IP Address	÷	Name	÷ I	Platform		Username	Sync Time	+ Added E	By 🕴	Status	Operation	
	1	192.168.66.45		192.168.66.45	1	InCloud Sphere		root	2017-12-15 17:11:03	admin	admin		C Sync	🛹 Auth
	2 192.168.66.72 192.168.66.72		(	Citrix XenServer		root	2017-12-15 14:09:37	admin		All Authorized	a Sync	🛹 Auth		
	3 192.168.106.60:8080 192.168.106.60:80			0 1	H3C CAS		admin	2017-12-15 12:14:06	admin		All Authorized	C Sync	🗸 Auth	
	4         192.168.79.60         192.168.79.60			1	Redhat RHV/Ovirt		admin@internal	2017-12-15 12:10:04	admin		All Authorized	C Sync	🖌 Auth	
	5 192.168.1.200 192.168.1.200				1	VMware vSphere		root	2017-12-15 11:39:04	admin		All Authorized	C Sync	🛹 Auth
Vinuel Info	<b>chir</b> irastructu val Infra	<b>1</b> ure Details istructure Deta	# Hom	e 🛷 Backup/Res	tore ~	B Resource	s v Q	Log/Alert ~ (21)						
@ Virt	ual Infr	astructure Li	st		têr Vir	tual Machines								
49 He	osts & C	lusters			Page < 1 > of 1  View 10 v records per page   Total 4 records									
<b>B</b>	VMwar	e vSnhere			No.	VM Name					<ul> <li>Status</li> </ul>		Operation	
	Redhat RHV/Ovirt			1	✓ CentOS_7					Power	off	② Options ∨		
E S					2	Windows_Server_2008					Power	off	② Options ∨	
Ġ	192.	.168.66.45	Refresh		3	Windows_Serve	er_2008_20	17-11-13_17_25_35			Power	off	🖞 Options 🗸	
					4	Windows_Serve	er_2008_20	17-11-13_17_25_35脚	<b>时恢复迁移</b>		Powero	off	✿ Options ∨	

Choose one VM and click "Options" under "Operation", you can power on, pause or power off the VM. You can also choose to add this VM to the existed backup jobs.

vinchin # Home & Backup	/Restore - Resources - A Log/Alert -											
Virtual Infrastructure Details	•											
o Virtual Infrastructure Details												
Virtual Infrastructure List	e Virtual Machines											
례 Hosts & Clusters V	Page < 1 > of 1   View 10 • records per page   Total 1 reco	rds										
🕀 🤣 VMware vSphere	No. VM Name	Status Operation										
H3C CAS	1 test_centos	Poweron 🕹 Options ~										
not for the state of the state		II Suspend										
Redhat RHV/Ovirt      Citrix XenServer		Power Off										
InCloud Sphere		Add to current job										

Note: After you change the VM status, please go back to the virtual infrastructure page and sync the VM located virtual infrastructure manually.

### **LAN-Free Settings**

Data usually is transferred via LAN, but when the data size is too large, network jam will probably occur. Using LAN-Free to backup and restore under SAN environment can help to reduce network jam, improve backup and recovery speed without building any separate DR backup network.

Note: LAN-Free backup is available for VMware, XenServer and RHV.

• For VMware and RHV, you can choose transfer via SAN (LAN-Free) in the "Transmission Network" options when creating a backup / restore job.

1	✓ Backup Source	2 ✓ Prima	ry Strategy	3 Advanced S	Strategy
Please set up a	advanced strategy for this b	ackup job.		LAN: Backup data to be transferred from production working area to backup area	77
	Backup Location	LAN LAN SAN (LAN-Free)	€ Iran	SAN (LAN-Free): Backup data to be transferred from production storage area to backup area via SAN. To transfer via SAN (LAN-Free), you need to add LAN- Free path from "LAN-Free Settings" first. If SAN transmission is not available, system will automatically switch to LAN transmission.	Hadvance:

• For XenServer, you can choose transfer via SAN (LAN-Free) or SAN+NBD in the "Transmission Network" options when creating a backup / restore job so that to back up your VMs via LAN-Free.

Please set up	advanced strategy for this b		LAN: Backup data to be transferred from production working area to backup area	
	🛛 Backup Location 🛛 🚨 🛛	≓ Trar	via LAIN.	
	Data Encryption		SAN (LAN-Free): Backup data to be transferred from production storage area to backup area via SAN. To transfer via SAN (LAN-Free), you need to add LAN- Free path from "LAN-Free Settings" first.	
	Transfer via	LAN SAN (LAN-Free) NBD SAN+NBD	• •	NBD:Backup data to be transferred by means of NBD to backup storage, support XenServer.7.3 and above SAN+NBD:Backup data to be transferred by means of NBD+SAN to backup storage If SAN transmission is not available, system will automatically switch to LAN transmission.

#### **Add LAN-Free Repository**

Mapping the production storage to Vinchin backup server, can let the Vinchin backup server directly read data from this storage. Highly improved the backup efficiency without affecting the production working network. Vinchin backup server currently supports **FC**, **ISCSI** and **NFS** LAN-Free settings.

Note: As different storage server has different LUN mapping methods, the following operations are for reference only.

#### **FC Storage**

**Precondition:** The LUN mapping of production storage is Fibre Channel mapping.

LAN-Free configuration step of FC storage are as below:

a) Map the LUN of production storage to Vinchin backup server.

Partition Status							
Partition Information		Cap	Capacity				
FC for 214	Size: ID: Status: Map:	2.5 TB 1F36115D1F3F698F The volume has been mounted. Yes	Total Capacity: 2.5 TB Used Space: 2.5 TB (100%) Free Space: 0 MB (0%)				
LUN Mapping Information							
Channel		Host ID	Assignment				
Channel 7		2100001B32810539(64.214)	Slot A				
Channel 7		2101001B32A10539	Slot A				

b) Click "Resources"  $\rightarrow$  "LAN-Free Settings", you are coming to the LAN-Free settings page.

vinchin	🖷 Home	😔 Backup/Restore 🗸	🔒 Resources 🗸 🗘 Log/Alert
LAN-Free Settings			le Virtual Infrastructure
TAN-Free Pr	roduction Repository List		🗞 Backup Repository
+ Add 🕼 E	dit 💼 Delete		🕫 LAN-Free Settings
			🚓 Backup Node
	Name	🕴 Туре	요 User Management
Œ			🖋 System Settings
			& System License

Click "Add", and choose "Fibre Channel" from Storage Type, the system will recognize the LUN which is mapped to Vinchin backup server, and display corresponding production server and its total size.

vinchin	# Home 😔 Backup/	Restore ~	🖁 Resources 🗸										
Add LAN-Free Production Rep	pository												
LAN-Free Production	Repository Configurations												
	Node IP address/domain *	localnost.	localhost.localdomain(192.168.65.5)										
		Repository will	be mounted to the selecter	I backup node.									
	Storage Type *	Fibre Cha	nnel		•								
		Select a storag	e type for the repository										
	Eibro Channel												
	Pibre Channel	No.	Channel	wwnn		wwpn			Speed	Status			
		1	host0	20:00:00:1b:32:81:7f:ed		21:00:00:1	b:32:81:7f:ed		4 Gbit	Normal			
		Map the target	FC LUN to the correspond	ng WWN									
	Oleman Deserves 1												
	Storage Resource		Name			*	Туре	Ca	pacity				
			/dev/sdg1				VMware vSphere	5.4	6TB				
		Select a produc	ction repository to do LAN-I	Free backup. All the original data on th	is repository will not I	be changed.							
	Nama	Eibre Char	nol1										
	Name	Type a name fr	intern										

Note: The recognized production LUN type is the LUN mapped hypervisor type. If the production storage is mounted to ESXi host, the Type will be VMware vSphere. If it is mounted to XenServer host, the Type will be Citrix XenServer as above.

Choose a production storage resource and click "OK", you will find the added production storage in the LAN-Free Production Repository List.

vinc	hin	# Home 🗇 Ba	ckup/Restore ~	🖁 Resources 🗸	₽ Log/Alert ∨			요 admin ~				
LAN-Free Se	ettings			•								
AN-Free Production Repository List												
+ Add	+Add (27 Edd (27 Edd)											
		Name	🗄 Туре	Mount Not	de	Node Status	Capacity	Repository Status				
+		Fibre Channel1	Fibre Channel	localhost.k	ocaldomain(192.168.64.213)	Normal	3TB	Normal				
1. Vinchi	in Backup & R	ecovery supports LAN-Free backup	of FC. ISCSI and NFS s	storage. Target VM wil	be backed up from production repository to backup repository without using L	AN network.		×				
2. To LANF the backput of the property of the provide the control of the provide the providet the p												
3. Note:	All the origina	I data on the production repository v	vill not be changed after	mounted to the backu	p node							

#### **iSCSI Storage**

Precondition: The LUN mapping of production storage is iSCSI mapping.

LAN-Free configuration of ISCIS storage are as below:

a) Map the LUN of production storage to Vinchin backup server.

Partition Status							
Partition Information				Capacity			
ISCSI for 214	Size: ID: Status: Map:	200 GB 2F3790842B45FD3C The volume has be Yes	en mounted.		Total Capacity: 200 Used Space: 200 Gl Free Space: 0 MB (0	GB 8 (100%) %)	
LUN Mapping Information							
Channel			Host ID			Assignment	
Channel 0			iqn.1998-01.com.vmware:58	75f5f0-6ccb-6f7c-a3fa-0c	cc47acb2262-2f3caf00(64	Slot A	^
Channel 0			iqn.1994-05.com.redhat:347	bf96bc2c7(101.42)		Slot A	

b) Click "Resources"→ "LAN-Free Settings", you are coming to the LAN-Free setting page. Click "Add", and choose Storage Type as iSCSI and click "Scan Target". The system will recognize the LUN which is mapped to Vinchin backup server, and display corresponding production host and its total size.

vinchin # Hom	ne 🔗 B	ackup/Restore ~	Resource:	s ✓ 🗘 Log	'Alert ~			요 admin ~			
Add LAN-Free Production Repository											
LAN-Free Production Repository Co	onfiguratio	ns									
Node IP address/d	domain *	localhost.localdo	vcalhost.localdomain(192.168.101.42)								
		Repository will be mou	inted to the selected	l backup node.							
Storage	е Туре 🔹	iSCSI			*						
		Select a storage type f	or the repository								
ISCSI	I Name *	iqn.1994-05.com.re	dhat:347bf96bc2c	7							
ISCSI	Server *	192.168.1.183		×	3260 🗸						
		Enter IP address of the network connection be	e iSCSI server. Plea tween the backup n	se make sure the ode and the	Port						
		iSCSI server is availab add an address	le. , If multiple paths	exist, you can							
		Scan Target									
		ocan raiger									
Targe	et LUN *	Nan	ne 🔺	iqn		Туре	Capacity				
		✓ /dev	/sdc1	iqn.2002-10.com iqn.2002-10.com	.infortrend:raid.uid335812.001 .infortrend:raid.uid335812.001	VMware vSphere	200GB				
		Select a production rep	pository to do LAN-F	ree backup. All the	original data on this repository will not be chan	ged.					
	Name	ISCSI1									
		Type a name for this re	epository.								
		Cancel Ok									

Note: The recognized production LUN type is the LUN mapped hypervisor type. If the production storage belongs to an ESXI host, the Type will show VMware vSphere. If it belongs to XenServer host, the Type will show Citrix XenServer as above.

Choose a production storage and click "OK", you will find the added production storage in the LAN-Free Production Repository List.

vincl	hin	# Home 😔 Bac	kup/Restore ~	🖁 Resources 🛩	.Q. Log/Alert ∽			요 admin ~		
LAN-Free Se	ttings			•						
tan-Fi	ree Produc	ion Repository List								
+ Add	GY Edit 🔒	Delete								
Page <	Page < 1 > of 1  View 10 • records per page  Total 1 records									
		Name	🔅 Туре	Mount No	de	Node Status	Capacity	Repository Status		
÷		ISCSI1	ISCSI	localhost.lo	caldomain(192.168.101.42)	Normal	200GB	Normal		
1. Vinchi 2. To LAI 3. Note: .	in Backup & F N-Free backu All the origina	ecovery supports LAN-Free backup p VM, first you need to mount produc I data on the production repository w	of FC, iSCSI and NFS s tion repository where lo ill not be changed after r	storage. Target VM wi ocates the target VM to mounted to the backu	I be backed up from production repository to backup repository without using L a backup node Please click (Add) to start. p node	AN network.		×		

#### **NFS Storage**

Precondition: The storage type of production system is NFS.

LAN-Free configuration of NFS storage are as below:

Click "Resources"  $\rightarrow$ "LAN-Free Settings", you are coming to the LAN-Free setting page. Click "Add", and choose Storage Type as NFS, enter the storage shared folder path.

vinchin	🖷 Home 🛛 😔 Backuj	o/Restore 🗸 🔡 Re	sources v	🗘 Log/Alert ~	
Add LAN-Free Production Repo	ository				
LAN-Free Production R	epository Configurations				
	Node IP address/domain * Storage Type *	localhost.localdom Repository will be mounte NFS Select a storage type for	ain(192.168.10 ed to the selected the repository	01.42) d backup node.	, ,
	Share Folder *	192.168.67.8:/root/r NFS share folder, e.g. 19	1fs 2.168.1.10:/path	/directory	¥
	Name	NFS1 Type a name for this repo	ository.		

Warning: The production storage which has been mapped to the Vinchin backup server in LAN-Free Settings cannot be added as a backup repository! Adding a NFS storage as a backup repository will cause the production storage been formatted, all the data in there will be erased/ lost.

### **Edit LAN-Free Repository**

Choose a LAN-Free Production Repository, click "Edit", you can edit a new name for this LAN-Free Production Repository.

	Name	Type	Mount Node	Node Status	Capacity	Repository Status
2	ISC SI1	iscel	1	Frances	200CB	

er mour	Edit LAN-Fre	ee Production Repository		×
	Name *	ISCSI1		
		Type a name for this repository		
			Cancel	Ok

### **Delete LAN-Free Repository**

Choose a LAN-Free Production Repository, click "Delete" you can delete this LAN-Free Production Repository.

	Name	Type	Mount Node	Node Status	Canacity	Penository Status
	iscsit	iscsi	localhost localdomain(192 168 101 42)	Normal	200GB	Normal

### Manage Backup Nodes

Deploy the backup nodes by following "Quick Installation Guide" of Vinchin Backup & Recovery v4.0, then you can view all the backup nodes information in the "Resources"  $\rightarrow$  "Backup Node" as below:

ackup M	Node			Virtual infrastructure					
🛚 Nod	le List			💩 Backup Repository					
C? Ed	it 🔒 Delete			OC LAN-Free Settings					
Page < 1 > of 1) View 10 + records per page   Total 2 records									
Page	< 1	> of 1  View 10 • records p	per page   Total 2 records	at Backup Node	_				
Page	< 1 No.	> of 1  View 10 • records p Node Name	er page   Total 2 records	요. User Management			Remote Deploy		Deploy Status
Page	< 1 No. 1	of 1  View 10      records p      Node Name      localhost.localdomain	IP Address           192.168.64.220	요. User Management	e 26 14:58:09	•	Remote Deploy		Deploy Status

### Edit Backup Node

Tick a backup node which you want to edit as below:

vino	chin	# Home 🛷	Backup/Restore 🗸 🖁	Resources ~ L	🔉 Log/Alert 🗸			<u> </u> admin
Backup N	lode							
Nod	e List							
C# Edi	1 🖹 Delete							
Page	1	of 1   View 10 • records ;	per page   Total 2 records					
	No.	Node Name	IP Address	0 Ad	d Time 🔻	Remote Deploy	Deploy Status	Node Status
<b>V</b>	1	localhost.localdomain	192.168.64.220	201	17-12-26 14:58:09	Unsupported	Deployed	Normal
	2	localhost.localdomain	192.168.101.42	201	17-12-25 10:27:59	Unsupported	Deployed	Normal
Note: instal	Please down lation, please	oad the backup node installation pa contact our technical support.	ackage from the login page, fo	llow the corresponding	user guide to complete the installation	on. After install success, new backup no	de information will auto-add to the Nod	e List. If you need support during the $^{\times}$

Click "Edit", you can edit a new name for this node as below:

3 Edit Backup	Node	×
Node Name *	localhost.localdomain	
	Type a name for the backup node.	

#### **Delete Backup Node**

Tick a backup node you want to delete as below:

viı	nchi	n	🖷 Home 🛛 😔 Backu	ip/Restore ~ 🖀 Resources	∽			요 admin ~
Back.	p Node			•				
<b>o</b> N	ode List							
ß	Edit 📋 🛙	Delete						
Pag	1	> of	1 View 10 • records per pag	ge   Total 2 records				
	No.	1	Node Name	IP Address	Add Time	Remote Deploy	Deploy Status	Node Status
	1	1	localhost.localdomain	192.168.64.220	2017-12-26 14:58:09	Unsupported	Deployed	Normal
	2		localhost.localdomain	192.168.101.42	2017-12-25 10:27:59	Unsupported	Deployed	Normal
N	ote: Please stallation, p	download blease cont	the backup node installation package act our technical support.	from the login page, follow the corresp	onding user guide to complete the installat	tion. After install success, new backup no	de information will auto-add to the Node	List. If you need support during the $^{-\times}$

Click "Delete", the system will re-confirm with you, click "OK" the node will be deleted as below:

vine	chin	🕷 Home 🛛 📀	Backup/Restore ~	🖀 Resources 🗸						요 admin ~
				Delete Backup	Node		×			
to Nod				Please check if all t to delete this node?	he repositories on this node have	been removed before d	eleting. Are you sure			
Page		> of 1  View 10 * records	per page   Total 2 records				Cancel OK			
	No.	Node Name	IP Address					Deploy Status	Node Status	
		localhost.localdomain								
		localhost.localdomain	192.168.101.42							

Note:

- 1. If there's storage mounted on this node, it is undeletable. Please delete the storage and ensure no jobs running on this node.
- 2. After deleting the node, you need to modify the node config file in the corresponding node system and delete the connected master node IP address.

### **Manage Users**

👃 Log/Alert 🗸 vinchin 😔 Backup/Restore 🗸 🖁 Resources 🗸 S Virtual Infrastructure # Dashboard > Backup Repository 🕫 LAN-Free Settings 1.8Hours 0B 🚓 Backup Node ቧ User Management VM & Repository 🖉 System Settings used Sp VM-Protected Free Spa 🔗 System License VM-Unprotected

Log in your administrator account, click "Resources"  $\rightarrow$  "User Management" as below:

Note: Each administrator can only manage the accounts created by himself.

#### Add User

Click "Add" as below you are coming to the "Add New User" page.

User Management										
🗙 User list										
요 Add 요 Edit 요 Delete	Unlock									
No. Username	🗄 User Type 🍦 Creati	ion Time	- Creator		Email Address	0 Phon	e Number	Last Login	Status	
				No av	ailable data					
vinchin	# Homo Co Bookup/	Destere	P Resources	0 Log/Alort						
vinchin	ноте озваскири	Restore V	Resources V	Log/Alen	, 					
Add New User										
Add User										
Basic Info										
	Username *									
	Password *									
	Confirm Password *									
	Email Address									
	Phone Number									
	-none Number									
	User Type *	Operator				•				
User Permission										
	Permission Type *	Default Perm	nission 🔿 Adv	anced Permissio	n					

Fill in the blanks with required username, password and confirm password. Choose a user type and permission type for this new user, then click "OK".

User Type includes Admin, Operator and Auditor. Default operation permissions are as below:

Operator: Create & perform Backup/Restore jobs, job monitor, logs/warnings etc.

Auditor: Check logs & warnings

Admin: All permissions

If choosing "Advanced Permission" in the "Permission Type", you can add or cancel any permission from the default options manually, but you cannot add a permission which is not in the default options, details as below:

vinchin 🛚 🕫 Home	⊕ Backup/Restore      ∨	요 admin ~
Pho User Permission Permis	User Type * Operator • Ssion Type * O Default Permission • Advanced Permission	
Permission	Operation *	
	Cancel OK	
Copyright © 2017 Vinchin build: 4.0.4345		

### **Edit User**

Tick a user from the User List, and click "Edit" as below you are coming to the user editing page.

vinchin	# Home 😔 Back	kup/Restore 🗸 🔡 Re	sources 🗸 🔍 Log/Ale	ert v			요 admin
User Management							
🚯 User list							
요Add 요Edit 요Delete	🕆 Unlock						
Page < 1 > of 1   View	10 • records per pa	age   Total 4 records					
No. Username	🔶 User Type 🔅	Creation Time	- Creator	Email Address	Phone Number	🔶 Last Login	🔶 Status 🔶
1 user4	Operator	2017-12-25 14:07:40	admin				UnLocked
2 user3	Auditor	2017-12-25 14:07:24	admin				UnLocked
3 user2	Administrator	2017-12-25 14:07:07	admin				UnLocked
4 user1	Operator	2017-12-25 14:06:47	admin				UnLocked
vinchin Edit User & Edit User	🦷 Home 🛛 🗘 Bac	kup/Restore 🗸 😤 Re	esources 🗸 🗘 Log/Al	iert ∽			£, admin ∨
Basic Info							
	Username	user3					
	Password						
	Confirm Password						
	Email Address						
	Phone Number						
	User Type	Auditor		•			
User Permission							
	Permission Type	O Default Permissio	n	ission			
	Permission Operation	Home     O Backup/Res     O Backup/Res     O New 2db     O New 2db	tore ackup stant Recovery stant Recovery A Manage nt Job Y Job Y Job I Machines drastructure tapository Settings Settings tode magement				

You can edit the user's information, after finish, click "OK" to save the changes.

#### **Delete User**

Tick a user from the User List, and click "Delete" as below you are coming to the user deleting page.

vir	Ich	nin 🔹 🕫	ome 📀 Ba	ckup/Restore 🗸	8 Resource	s 🖌 🗘 Log	/Alert ~				요 admin ~	
User Management												
😗 Us	o User list											
8/	BAdd & Edd & Dolette & Oltoteck											
Page	<	1 > of 1   View 10	<ul> <li>records per</li> </ul>	page   Total 4 records								
	No.	Username	User Type	Creation Time		Creator	Email Address	Phone Number	🔶 Last Login	Status		
	1	user4	Operator	2017-12-25 14:07:40		admin				UnLocked		
	2	user3	Auditor	2017-12-25 14:07:24		admin				UnLocked		
	3	user2	Administrator	2017-12-25 14:07:07		admin				UnLocked		
	4	user1	Operator	2017-12-25 14:06:47		admin				UnLocked		

The system will re-confirm your operation as below, click "OK", the user will be deleted.

vir	۱cł	nin			e 🗸 🔐 Resource	s 🗸 _Ω Log/Alert ∨				
User Management					Delete Use	r		×		
🖞 User list					Are you sure to	delete the user(s)?				
A Add         A Edit         A Delete         O Unlock           Page <         1         of 1) View         10         • records per page) Total 4 records					records			Cancel OK		
	No.	Username	User T	pe Creation 1	îme 🚽	Creator	Email Address	Phone Number	Last Login	0 Status 0
	1	user4	Operato	2017-12-25	14:07:40	admin				UnLocked
	2	user3	Auditor	2017-12-25	14:07:24	admin				UnLocked
1	3	user2	Adminis	rator 2017-12-25	14:07:07	admin				UnLocked
	4	user1	Operato	2017-12-25	14:06:47	admin				UnLocked

Note: Before deleting a user, you need to empty all the virtual infrastructures registered by this user. Otherwise this operation will be failed.

#### **Unlock User**

If enter wrong password for 5 times, the account will be locked. Only the Admin has the permission to unlock the account. Log in the Admin account, click "Resources"  $\rightarrow$  "User Management", tick the locked user account as below:

vin	cł	nin 🛭 🕷 HK	ome 🕂 Ba	ckup/Restore 🗸 😤 Res		.Q. Log/Alert ∨					요 admin ~
User M	Jser Management										
🐞 Us	n User list										
8 A	BAdd BEdt B.Dulete @traded										
Page	<	1 > of 1   View 10	<ul> <li>records per</li> </ul>	page   Total 4 records							
	No.	Username	User Type	Creation Time	🗸 Ci	eator 🔅	Email Address	Phone Number	Last Login	Status	
	1	user4	Operator	2017-12-25 14:07:40	ad	min				UnLocked	
	2	user3	Auditor	2017-12-25 14:07:24	ad	min				UnLocked	
	3	user2	Administrator	2017-12-25 14:07:07	ad	min				UnLocked	
1	4	user1	Operator	2017-12-25 14:06:47	ad	min				Locked	

Click "Unlock" and this account will be unlocked immediately.

vin	Icł	nin 🔹 मल	ome 🛛 😔 Ba	ckup/Restore ~	# Resource	s 🗸 🗘 Log/Alert 🗸					<u>}</u> admin ∽
User Management					Unlock U	Unlock User X					
🚯 Us	ser list	1			Vnlock U	Vinlock User success					
8/	Add AGent ADelete & Unlock										
Page	Page < 1 > of 1   View 10 • records per page   Total 4 records										
	No.	Username 0	User Type	Creation Time		Creator	Email Address	Phone Number	Last Login	Status	
	1	user4	Operator	2017-12-25 14:07:4	10	admin				UnLocked	
	2	user3	Auditor	2017-12-25 14:07:2	24	admin				UnLocked	
	3	user2	Administrator	2017-12-25 14:07:0	)7	admin				UnLocked	
	4	user1	Operator	2017-12-25 14:06:4	17	admin				UnLocked	

### **System Settings**

Log in your Admin account, click "Resources"  $\rightarrow$  "System Settings" as below, you are coming to the system setting page.



#### **IP Settings**

Click "IP Settings" you can set the IP information according to your actual network environment. Click "OK" to save the changes. Please make sure all the IP information are correct. Any wrong IP information will result in failure of accessing the Vinchin backup server.

System Settings	按 F11 即可退出全屏模式
IP Settings IP Settings IP Settings IP Settings IP Settings	DNS Settings Restart/Poweroff
Notwork Interface +	enc160
Network intendoe	Please select a network interface to edit corresponding IP information
IP Address *	192.168.101.42
	Please enter IP address of your backup server, e.g. 192.168.1.168
Subnet Mask *	255.255.192.0
	Please enter the Subnet Mask of your backup server, e.g.255.255.255.0
Default Gateway	192.168.64.1
	Please enter Gateway of your backup server, e.g. 192.168.1.1
DNS Servers	192.168.128.2
	Please enter DNS of your backup server. If more than one DNS, please separate them with ","e.g.192.168.1.1,192.168.1.2

Note: After changing IP address, please log out and re-access the login page by entering the new IP address.

### **Time Settings**

ystern Settings									
IP Settings Time Settings Notification	DNS Settings Restart/Poweroff								
Your Location *	America/New York								
	Please select a location, system will auto-match the corresponding timezone.								
Your Time *	2018-01-08 21:34:26		January 2018					<b>#</b>	
	Please select or enter a correct time, format e.g. 20	<						>	
NTP Sync	Off	Su	Мо	Tu	We	Th	Fr	Sa	
	Enable to synchronize to NTP time	31	1	2	3	4	5	6	
		14	° 15	9 16	17	18	12	20	
	Cancel OK	21	22	23	24	25	26	27	
		28	29	30	31	1	2	3	
		4	5	6	/	8	9	10	
🔀 Resources 🗸 🗘 Log/Alert 🗸									
Edit Timo	2	×	ł.						
Loit fille									
1. The updated time is earlier than or the same as the s 2 If it is earlier than the system original time, the system	ystem original time. n license will be exception		Ŀ						
		-	L						
	Cancel OK		L						
a		-	L						

You can set the time zone, time and date according to your current location as below:

Warning: Please set the time details before licensing your backup server. Changing time details on a non-perpetual licensed Vinchin backup server will cause the license error. If error happens, you need to re-license the system with new license key.

#### **Email Notification**

Email Notification helps users tracking the system operation such as job progress by email. Before enabling the email notification, you need to set the user's email address. Go to the top right "admin"  $\rightarrow$  "My Information" as below:

vinchin	🖶 Home 😔 Backup/F	estore - 🚆 Resources - 🔒 Log/Alert -	<u> 2</u> . admin -
User Information	•		요 My Information
My Information			Change Password
	Username	admin	C Lock Screen
	Email Address	123456@qq.com 🗸	P About Us
	Phone Number	12345678900	
	Language	English •	P Logout
		Back Save	

Fill in your email address and click "OK".

Then return to the "System Settings"  $\rightarrow$  "Notification". And click "Email Test" as below:

vinchin	# Home 🛛 🔂 Bac	kup/Restore 🗸 🔀 Resources 🗸 🗘 Log/Alert 🗸
System Settings		•
IP Settings	e Settings 📢 Notification	DNS Settings
A Email Notification		
	Email Notificatio	In: Off Please click "Email Test" to finish the mail server test before enabling Email Notification.
		Cancel Ok

If you have your own mail server, you can change the default sender mail information to yours accordingly. We recommend you to use Vinchin sender mail server, please keep the default information and click "Send testing email", if the sending test is succeeded, click "OK" as below:

🖻 🔂 Email Test		×
Mail Server *	Smtp.exmail.qq.com  POP3/IMAP/SMTP server address, can be domain name or IP address	
est cal Port *	25 Mail server port, e.g. 25	
Sender's Mail	product@vinchin.com The sender's mail address, e.g. support@163.com	
Password *	Sender's mailbox password	
	Send testing email to 123456@qq.com	
	1. Please go to [Admin] $\rightarrow$ [My Info] to fill $\times$ in an email address which you would like to use for receiving notifications.	
	<ol> <li>We recommend you to choose VINCHIN default mail server, please make sure your network is connecting to Internet.</li> </ol>	
	Cancel	Ok

Then click "Enable" to enable the email notification.

You can also choose to enable the system/job alert and set different system notification levels as below. System will send the corresponding notification to your email address.

Email Notification		
	Email Notification:	On Email Test
		Please click "Email Test" to finish the mail server test before enabling Email Notification.
	System Alert :	On
	System Notification Level :	Notice (prompt message, no need process)
		Warning ( notifying this action may cause system or job error)
		Error ( notifying the system or job error))
	Job Alert :	On
	Job Notification Level :	Notice (prompt message, no need process)
		Warning ( notifying this action may cause system or job error)
		Error ( notifying the system or job error))

Note: Email notification is a free service. The system will automatically send notification emails to you once you

enable this function.

#### **DNS Settings**

If an ESXi host was added to the vCenter via its domain name as below, then this ESXi host's corresponding DNS need to be configured in the Vinchin backup server.



First fill in the IP address of the ESXi host and its domain name (e.g. 192.168.66.14 esxi.505.com), then click "OK" to save.

-	System Settings					
	IP Settings	Time Settings	Notification	t⊐ DNS Settings	Restart/Poweroff	
			Backup Node	* localhost	localdomain(192.168.101.42)	
				Please select	a backup node to set DNS.	
			DNS values	• 192.168.6	i4.14 esxi.505.com	
					1	
				Format: IP hos one space. Ea	stname (The IP address and the hostname should be separated by at least ach entry should be kept on an individual line.)	
			DNS Syn	c On		
				Enable to synd	chronize the DNS settings to all backup nodes	
				Cancel	Ок	

Note: If the Vinchin backup server has been deployed multiple backup nodes, please enable "DNS Sync". DNS settings is available for VMware virtual infrastructure.

#### **Restart & Poweroff**

Choose a backup node which you want to restart or power off and click corresponding button.

in Settings	Time Settings	Noulication	Divis Settings	C Restarce oweron	
		Backup Node *	localhost.	localdomain(192.168.30.31)	
			Please sele	ct a backup node to restart or power off	

### **Backup/Restore Job**

### **SANGFOR HCI**

### **Install Backup Plugin**

When backing up a SANGFOR HCI virtual environment, you need to install the SANGFOR HCI backup plugin in the SANGFOR hosts. Please refer to <u>Quick Installation Guide for SANGFOR HCI Backup</u>. Note: For cluster environment, please install the backup plugin in every SANGFOR host under this cluster environment.

### **VM Backup**

#### **Authorize Host**

Before creating a VM backup job, you need to authorize the target hosts which you need to backup. Click "Resources"  $\rightarrow$  "Virtual Infrastructure" as below:



Then you'll see the virtual infrastructure list as below, choose the target virtual infrastructure you want to backup and click "Auth".

/irtual li	tual Infrastructure											
🛛 Vir	Virtual Infrastructure List											
<b>+</b> Ac	+ Add 27 Edit 26 Delete Auto-refresh virtual infrastructure every 60 minute(s)											
Page	Page < 1 > of 1   View 10 v records   Total 3 records											
	No.	IP Address	Name	Platform	Version 🕴	Username		Sync Time 🗸	Added By	Status	Operation	
	1	192.168.129.30	192.168.129.30	SANGFOR HCI		admin		2018-10-29 17:42:50	admin	Unauthorized	C Sync	✓ Auth
	2	192.168.129.20	192.168.129.20	Citrix XenServer	7.2.0	root		2018-12-06 13:59:44	admin	All Authorized	<b>₽</b> Sync	✓ Auth
	3	192.168.129.10	192.168.129.10	VMware vSphere	6.0.0	root		2018-12-06 13:59:52	admin	All Authorized	<b>₽</b> Sync	✓ Auth
1.C 2.C	1. Click IP address to view the virtual infrastructure details including all virtual machines'status.       ×         2. Click [Sync] button, the virtual infrastructure will be synced to the Vinchin Backup & Recovery system. This function applies to any updates of the hosts/virtual machines in the virtual infrastructure.											

Tick the hosts under this virtual infrastructure you want to backup and click "Authorize".

✓ Authorize X Una	uthorize	Per CPU Socket: Total 10, Au	uthorized 3, Unaut	horized 7		
Page < 1 > of 1   View 10 • records   Total 1 records						
📃 Host Name 🔺	Host IP	Virtual Infrastructure	Host Status 🔅	Number of CPUs 🕴	Status 🔅	
192 168 129 30	192.168.129.30	192.168.129.30	Online	2	Unauthorized	

Note: If there's no server in the virtual infrastructure list, please refer to <u>Add Server</u> to add a host or virtual cluster first.

### **Create Backup Job**

#### **Backup Source**

Select the virtual machines you want to backup. Click "Backup/Restore"  $\rightarrow$  "VM Backup", then you will see the virtualization infrastructure tree, expand the SANGFOR HCI infrastructure until you see the virtual machines. Tick any virtual machines you need to backup, they will be showing in the "Selected VM" column.

new Job		
1 Backup Source	2 Primary Strategy 3	3 Advanced Strategy 4 Review & Confir
Please select target virtual machir	ne(s) to be backed up	
Select VM *	Mag Hosts & Clusters ~ Search by VM name	Selected VMs
	VMware vSphere     Over the second seco	🐼 windwos2008_2018_10_23_17_16_00 🛛 🗙 +
	□ 委 SANGFOR HCI □ 委 192.168.129.30 Refresh Expand all Merge all □ 册 默认分组	d centos7_2018_10_23_19_09_12VM_Instant_Rec 🗙
		e vm-disk-1.qcow2 e Backup
	☐ ☐ ☐ ₩indwos2008 ☐ Ø ☐ ₩indwos2008_2018_10_23_17_16_00	

Note: If the VM already exists in the backup job list, it will be highlighted in Green color. And it is un-selectable.

Click the target VM, you can see the virtual disks under this VM, you can choose to backup or exclude any of the disks under this VM without having to back up all the disks on the virtual machine.



If your SANGFOR HCI infrastructure has be updated recently, you can click "Refresh" to update and sync the servers to Vinchin backup server.



### **Primary Strategy**

#### **Backup at Once**

The backup job only perform one time. Choose "Backup at once", then click """ to choose YY/MM/DD and HH:MM:SS, then click "Next", the backup job will be performed at the exact time for only once.

Please set up primary strategy for this	s backup job.	Server 1	Time: 20	018-01-	09 10:	40:51		
Primary Strategy *	Backup at once							•
Start Time *						,	۰ [	
				Janu	uary 2	018		>
			Su N	1o Tu	We	Th	Fr	Sa
			31	1 2	3	4	5	6
			7	8 9	10	11	12	13
			14 1	5 16	17	18	19	20
			21 2	2 23	24	25	26	27
			28 2	9 30	31	1	2	3
			4	56	7	8	9	10

#### **Backup as Scheduled**

The backup job repeats as scheduled. Choose "Backup as scheduled", then choose a Backup Strategy (Full Backup/Incremental Backup/Differential Backup).

Note: Incremental and Differential cannot be chosen at the same time.

#### Click the selected strategy bar, set your time schedule for this backup job:

Please set up primary strategy for this	backup job. Server Time: 2017-12-25 17:57:06	
Primary Strategy *	Backup as scheduled	•
Schedule *	✓ Full Backup Incremental Backup Differential Backup	0
	✓ Full Backup (Every Friday, 23:00:00Start, Unrepeat)	

The time schedule of backup job includes 3 types: Every day, Every Week and Every Month.

Every Day schedule only needs to set Start Time:

Every Day	Start Time	23:00:00	Θ	
Every Week	Repeat	OFF		0
Every Month				

Every Week schedule needs to choose which days to perform the backup job, details as below:

Every Day	Every Week	<ul><li>✓ Monday</li><li>✓ Friday</li><li>✓ Sa</li></ul>	Fuesday 🔤	<ul> <li>Wednesday</li> <li>Sunday</li> </ul>	Thursday
Svery Week	Start Time	23:00:00	Ø		
Every Month	Repeat	OFF		0	

Every Month schedule is similar with Every Week schedule, needs to choose which days to perform the backup job, details as below:



Set the backup "Start Time" and choose whether to enable the "Repeat".

Every Day	Start Time	23:00:00	Ø	After enabling
Every Week	Repeat	OFF		<ul> <li>the "Repeat" option, the system</li> <li>will repeatedly perform the backup job every xx</li> </ul>
Every Month				hours/minutes/seconds until the

"Repeat" means repeatedly perform the backup job every xx hours/minutes/seconds. Once enable the "Repeat"

option, you need to set the time of "Repeat Interval" and "Repeat End" accordingly.

(Example: Choose Every Month schedule, and tick day 1 and day 15, set the Start Time as 7:00:00, and enable the "Repeat", Repeat Interval Time 2:00:00 and Repeat End Time 21:00:00. This schedule means on 1st and 15th of each month, this backup job will start running from 7:00am, and it will repeat once every 2 hours until 9:00pm of the day.)



After finishing the settings, there will be a green  $\checkmark$  in front of the schedule, it means the schedule setting is saved. Then click "Next":

Incremental backup is backup the changes made since the last incremental backup.

**Differential backup** is backup the changes made since the last full backup, every new differential backup relies on the same full backup.

#### **Advanced Strategy**

#### **Backup Location**

Select a repository to store the backed up data. You can enable the "auto-select", then the backup data will be automatically stored to an optimized repository. You can disable the "auto-select" to specify a repository for the backup data.



If you have added multiple backup nodes as alternative backup repository, you need to select one node first. Click the blue button to disable the "Node Auto-Select", select one available node as below:



If you prefer to specify a backup repository under this node, disable the "Repository Auto-Select" and specify a selectable repository for this backup job.

Backup Location _ Dedup	lication & Compression		Retention Policy	B Adva	nced Backup Mod	le
Node Auto-select	Off	0				
User-defined	localhost.localdomain	n(192.168.129.17)		•		
Repository Auto-select	Off	0				
User-defined	Local Disk1(Local Di	sk, Capacity :599.71GB, Fr	ee Space:578.29GB)	Ŧ		

If you prefer to let the system select the optimized repository, keep the "Node Auto-Select" or/and "Repository Auto-Select" enabled.

Ø Backup Location	Leduplication & Co	mpression 🔁 Tran	smission Network	Retention Policy	B Advanced Backup	Mode
Node Au	to-select On		0			
Backup Location	E Deduplication & Co	mpression 🔁 Trar	nsmission Network	Retention Policy	B Advanced Backup	Mode
Node Au	to-select	Dff	0			
Use	-defined localhost	localdomain(192.16	58.129.17)		v	
Repository Au	to-select On		0			

#### **Deduplication & Compression**

Default status of Deduplication is disabled. You can choose to enable it if you want to save your backup repository space.



**Data Deduplication**: Enable it to delete the duplicated data, can reduce the total backup size. **Compression**: Enable it to compress the backup data size, can reduce the total backup size.

#### **Transmission Network**

----

Click "Transmission Network", you can choose to enable the "Data Encryption", the backed up data will be encrypted during transferring from the backup source to backup repository.

Ø Backup Location _ Deduplication & Compression	ssion  Transmission Network	Retention Policy	B Advanced Backup Mode
Data Encryption O	ī		

#### **Retention Policy**

Backup retention policy is a policy to reserve backup data on disk according to number of days/restore points. Old restore points out of date/over range will be auto-deleted.

For SANGFOR HCI, the retention policy is based on full backup time points. It will lead a deletion of the furthest full backup point together with its corresponding incremental or differential backup points when a new full backup point is generated.

Retention Policy includes "Number of Restore Points" and "Number of Days". **Number of Restore Points**: Restore points will be reserved according to number limitation.

anced strategy for this backup job.		Number of Davis Backups to be saved
Backup Location 🛛 💻 Deduplication & Com	oression 🛱 Transmission Network 💼 F	as per the number of days.
Retention Mode *	Number of Restore Points	Number of Restore Points: Backups to be saved as per the number of restore points.
Restore Points *	30 ^ ~	Backups beyond the specified number of days/restore points will be auto deleted.

Number of Days: Restore points will be reserved according to days limitation.

dvanced strategy for this backup job.		
Backup Location      E Deduplication & Con	npression 🛱 Transmission Network 💼 Ret	Number of Days: Backups to be saved as per the number of days.
Retention Mode *	Number of days	Number of Restore Points: Backups to be saved as per the number of restore points.
Days *	30 ^ ~	Backups beyond the specified number of days/restore points will be auto deleted.

#### **Advanced Backup Mode**

Standard Snapshot (Serial snapshot / parallel snapshot)

Serial snapshot: taking snapshot of each VM in turn and complete transfer in turn.

**Parallel snapshot**: taking snapshot of all VMs concurrently and complete transfer in turn. It is necessarily to be chosen when there's business relationship between the VMs or backup time consistency is required of all the VMs.



Backup Location _ Dedu	plication & Compression 🛛 🛱 Trans	mission	Serial : Taking snapshot of each virtual machine and completing transfer in turn.	d Backup Mode	
Standard Snapshot	Serial •	0	Parallel : Taking snapshot of all virtual machines concurrently and completing transforms turn. It is not concurrented to		
SpeedKit	Serial Parallel	0	be selected unless there's business relationship between the VMs or when time consistency of all backup data is		
BitDetector	On	0	required	J	

#### SpeedKit

SpeedKit is a Vinchin developed technology to improve the computing speed of changed data when doing an incremental backup. Choose "SpeedKit" can help to improve backup efficiency and in case CBT does not work. Note: Choosing "SpeedKit", the system will remain one snapshot of each VM in the backup repository when doing incremental backup every time, so you must make sure your backup repository space is sufficient.



#### BitDetector

BitDetector is a vinchin technology to improve backup efficiency and save backup storage space. Enabling "BitDetector" you can choose not to backup those swap files, deleted files and unpartitioned space



#### **Review & Confirm**

After finish, you are able to review and confirm the settings. Click "Submit" if confirm, the backup job creation will be completed.

🚯 New Job				
1 🗸 Backup Source	2	✓ Primary Strategy	3 🖌 Advanced Strategy	4 Review & Confirm
Please review and confirm your configurations.				
	Job Name :	SANGFOR HCI Backup2		
		Default job name could be modified.		
Backup Source				
	Backup Source :	192.168.129.30/默认分组/centos7_2018_10_23_19 SANGFOR HCI Backup	09_12VM_Instant_Recovery_megaplusMigration	
Primary Strategy				
	Primary Strategy :	Backup as scheduled		
	Backup Schedule :	Full Backup (Every Friday, 23:00:00 Start, Unrepeat		
Advanced Strategy				
	Backup Location :	Node Auto-select : ON		
D	eduplication & Compression :	Data Deduplication : OFF Compression: ON		
	Transmission Network:	Data Encryption : OFF		
	Retention Policy :	30 days		
	Advanced Backup Mode:	SpeedKit : ON		
		Standard Snapshot : Serial		
		BitDetector: ON		
		Exclude Swap Files: ON		
		Exclude Deleted Files: OFF		
		Exclude Unpartitioned Space: ON		
		<sup>⊕</sup> Back	Submit <sup>©</sup>	

Note: You can change the Job name before submitting.

### **Perform Backup Job**

After creating a new backup job, you will see this job in the "Current Job List".

Page < 1 $\rightarrow$ of 1   View 10 $\checkmark$ records   Total 4 records Search by job name Search by job name											
	Job Name	Platform	Job Type	Creation Time	Status 0	Speed	Creator	Operation			
Ŧ	SANGFOR HCI Backup2	SANGFOR HCI	Backup	2018-12-06 15:14:34	Pending		admin	② Options ∨			
+	SANGFOR HCI Backup-Megaplus	SANGFOR HCI	Backup	2018-10-23 19:08:46	Stopped		admin	실 Options ~			
+	SANGFOR HCI Backup1	SANGFOR HCI	Backup	2018-10-23 16:47:34	Stopped		admin	② Options ∽			
+	VMware vSphere Backup1	VMware vSphere	Backup	2018-10-11 15:04:30	Pending		admin				

Click "  $\pm$  ", you can review the backup schedules of this job as below:

۵J	ob List								
Pag	e < 1 > of 1   View 10 • records   Tot	al 4 records					Search by job	name	Search
	Job Name	Platform	Јор Дор Ф	Creation Time	Status 🕴	Speed 🕴	Creator 🔅	Operation	
E	SANGFOR HCI Backup2	SANGFOR HCI	Backup	2018-12-06 15:14:34	Pending		admin	실 Options ~	
So Re	hedule: Full Backup: Every Friday, 23:00:00 Star tention Policy: 30 days	t, Unrepeat							
÷	SANGFOR HCI Backup-Megaplus	SANGFOR HCI	Backup	2018-10-23 19:08:46	Stopped		admin	실 Options ~	

Click "Options", you will see operation options including Activate Incr.(Incremental Backup), Activate Diff.(Differential Backup), Activate Full(Full Backup) and Stop. Choose one option to start or stop the backup job.

ü	Job List							
Pi	age < 1 > of 1   View 10 • records   Tota	al 4 records					Search by job	name Search
	Job Name 🔶	Platform	Job Type	Creation Time	Status 🔶	Speed 🕴	Creator 🔅	Operation $\phi$
E	SANGFOR HCI Backup2	SANGFOR HCI	Backup	2018-12-06 15:14:34	Pending		admin	한 Options ~
	Schedule: Full Backup: Every Friday, 23:00:00 Start	, Unrepeat						Lu: Activate Incr.
	Retention Policy: 30 days							믜 Activate Diff.
E	SANGFOR HCI Backup-Megaplus	SANGFOR HCI	Backup	2018-10-23 19:08:46	Stopped		admin	Activate Full
E	SANGFOR HCI Backup1	SANGFOR HCI	Backup	2018-10-23 16:47:34	Stopped		admin	Stop

Note: If you choose incremental backup or differential backup, the backup job will automatically change to full backup when the first time you perform it. After then the backup jobs will be repeated time by time as scheduled.

If you want to stop this backup job, click "Stop". After this job stopped, you can click "Options" again, and be able to enable schedule, activate this job, edit this job or delete this job.

age	< 1 > of 1   View 10 v records   Tota	Search by job	name Sea					
	Job Name	Platform	Job Type	Creation Time	Status 🔶	Speed 🕴	Creator 🕴	Operation
ŧ	SANGFOR HCI Backup2	SANGFOR HCI	Backup	2018-12-06 15:14:34	Stopped		admin	실 Options ~
+	SANGFOR HCI Backup-Megaplus	SANGFOR HCI	Backup	2018-10-23 19:08:46	Stopped		admin	② Enable Schedu
+	SANGFOR HCI Backup1	SANGFOR HCI	Backup	2018-10-23 16:47:34	Stopped		admin	Le Activate Incr.
÷	VMware vSphere Backup1	VMware vSphere	Backup	2018-10-11 15:04:30	Pending		admin	븨 Activate Diff.
Tie	. Click inh name you can view the job details							Activate Full
	. Check job hanne you can view are job details.							🖋 Edit
_								🗎 Delete

When the job in a running status, click the job name, you will see the job running details page as below:

Vinchin # Home • Backup/Restore • @ Resources • . Q. Log/Alert • (18)		요 admin v
Job Details		<b>←</b> Back
🖮 Job Flow	<ul> <li>Basic Info</li> </ul>	🗞 Repository Info 🛛 🛗 Strategy Info
29MB/s	Job Name :	Redhat RHV/OvirtBackup1
	Job Type :	Backup[Redhat RHV/Ovirt]
15MB/s	Job Status :	Running
10M8/s	Total Size :	11.91GB
5MB/s -	Start Time:	2018-01-03 17:10:16
	Duration :	00:05:04
Job Progress	Job finish at :	2018-01-03 17:23:01
Current Run History Run		
Transfering vm windows_server_2008's disk test2008_Disk1' backup data		2018-01-03 17:14:23
ransferring VM/Windows_server_2008/backup data		2018-01-03 17:14:23
Capturing backup repository capacity		2018-01-03 17:14:23
Finished to scan Virtual disk		2018-01-03 17:14:23
Scaning progress 100%		2018-01-03 47-14-22

On the top right are 3 main columns showing the job configuration info as below:

Basic Info	🗞 Repository Info 🛛 🛗 Strategy Info	Basic Info	🗞 Repository Info	Strategy Info	🚯 Basic Info 🛛 🚷 I	Repository Info
Job Name :	Redhat RHV/OvirtBackup1	Backup Node :	localhost.loc	caldomain	Creation Time :	2018-01-03 16:42:16
Job Type :	Backup[Redhat RHV/Ovirt]		192.168.30.	31	Next Run:	2018-01-05 23:00:00
Job Status :	Running	Repository :	Local Disk1 Capacity:99	(Local Disk) .95GB, Free	Full Backup :	Every Friday, 23:00:00Start,
Total Size :	11.91GB		space:90.72	GB		Uniepear
Processed :	2.2GB	Data Deduplication	on : OFF		Incremental Backup :	None
Start Time:	2018-01-03 17:10:16	Compression:	ON		Differential Backup :	None
Duration :	00:06:22	Speed-up Backu	p: ON		Retention Policy :	Quantity retention, Retention is 30
Job finish at :	2018-01-03 17:24:01				Data Encryption :	OFF

On the bottom left are another 3 main columns are Run Log, VM List and History Job. **Run Log**: Records the current backup job running logs.

C Run Log VM List History Job	
✔ Job succes	2018-11-04 23:00:08
✓ Deleting VM backup snapshot	2018-11-04 23:00:07
Backup VM success	2018-11-04 23:00:07
✓ Transferring disk data	2018-11-04 23:00:06
Current disk transfer mode is 'lan'	2018-11-04 23:00:06
✓ Opening remote disk'[localraid 5.4T] test centos ( 79.12 ) /test centos ( 79.12 ) .vmdk'	2018-11-04 23:00:05
Backup VM configuration info	2018-11-04 23:00:03
Creating snapshot for backup VM	2018-11-04 23:00:02

VM List: Shows the VM info in the current job, including VM Name, Job Type (Full Backup/Incremental Backup/Differential Backup), VM Size, Data Size, Transfer Size, Written (The real size that has been stored to the backup repository), Speed, Progress, Status etc.

	Run Log VM List History Job											
	N	lo.	VM Name	Job Type	VM Size	Data Size	Transfer Size	Written	Speed	Progress	Status	Description
Đ	] 1		test centos ( 129.12 )	-			-	-				

History Job: Reviews all the history operations of this backup job.

Run Log Current Run DHistory Run									
Page < 1 > of 1  View 10 • records per page   Total 3 records									
	No.	Job Type	Status 🕴	Total	Processed 0	Backed up	Start Time 🔶	End Time 🗸	
÷	1	IncrementalBackup	success	896KB	896KB	232.17KB	2017-12-25 16:36:20	2017-12-25 16:36:32	
÷	2	IncrementalBackup	success	2.25MB	2.25MB	566.37KB	2017-12-25 16:35:51	2017-12-25 16:36:04	
÷	3	FullBackup	success	13.93GB	13.93GB	7.42GB	2017-12-25 16:30:09	2017-12-25 16:35:23	

#### Note:

If the backup job has been set as "Backup at once", after job running finished, you can find it in the History Job list. If the backup job has been set as "Backup as scheduled", the job will remain in the Current Job list and continue backup job as scheduled. Once enable "Deduplication & Compression" when creating backup job, the Backup size will be reduced while the backup speed will be slower as well.

### **VM Restore**

#### **Create Restore Job**

#### **Restore Point**

Click "Backup/Restore"  $\rightarrow$  "VM Restore", you are coming to the restore job creating page. Select a target VM restore point under the SANGFOR HCI which you want to restore as below. You can quickly find the target restore point by specifying backup node and selecting "Group by VMs" or "Group by Restore Points" accordingly.

vinchin # Home	↔ Backup/Restore ∨	🖁 Resources 🗸	🗘 Log/Alert 🗸 🚺		מ
VM Restore	(+) New Job	묘 Monitor & N	lanage		
new Job	🔗 VM Backup	🐵 Current Job			
1 Restore Point	♦ VM Restore ♦ VM Instant Recovery	ତ History Job 🖵 Restore Point:	s 3	Restore Strategy	4 Review & Confirm
Select target virtual machines to be re	25	<ul> <li>Backup Copy</li> <li>Virtual Machir</li> </ul>	nes		
Restore Point *	difficution of the second seco	~		Selected n	estore points Full Backup)
	Citrix XenServer     Citrix XenServer     Citrix XenServer     SANGFOR HCI     SANGFOR HCI     SANGFOR HCI     Citrix XenServer     Citrix XenServer     SANGFOR HCI     Citrix XenServer     Citrix XenServer     SANGFOR HCI     Citrix XenServer     Citrix XenServer     SANGFOR HCI     SANGFOR HCI     SANGFOR HCI     Citrix XenServer     SANGFOR HCI     SANGFOR     SANGFOR HCI     SANGFOR HCI     SANGFOR     SANGFOR HCI     S	Backup1(Job has been c ackup1 ackup-Megaplus 0-23 19:09:12(Full Backi 3-10-24 22:00:11(Incren 3-10-24 22:00:12(Incren 3-10-26 22:00:12(Incren 3-10-26 22:00:13(Incren 3-10-28 22:00:13(Incren	deleted ) up) nental Backup) nental Backup) nental Backup) nental Backup) nental Backup) nental Backup)	centos7	

A Restore Point has been marked with the name of a backup job. Each backup job name has displayed the backup time point and backup type (full backup/incremental backup/differential backup) for users to recognize and select. Choose one restore point under each virtual machine, click "Next".

Note: You can choose multiple virtual machines to restore at the same time. If one virtual machine has multiple restore points, you can only choose one point to restore at once.

#### **Restore Destination**

**Target Host**: Select a target host where you want to run the restored VMs. After restored, the VMs will run on the selected host.

Select a host where to run the rest	cored VMs	
Target Host *	□       ●       192.168.129.30         □       □       ●         □       ●       ●         192.168.129.30       ●	
	Expand the virtual infrastructures to select a host where to run the restored VM	
Unified Configurations *	• TOT	
VM Configurations *	🖵 centos7_2018-10-23 19:09:12	+
	Expand any VM to modify corresponding configuration info	

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**Unified Configurations**: Enable this function you can set multiple VMs' storage, network information, and choose whether to power on the target VM(s) after restoring.

Target Host *	xenserver-xswfpdkh (192.168.79.20)     Senserver-xswfpdkh: 192.168.79.20 Unfold the virtual infrastructures to select a host where to run the restored VM	
Unified Configurations	On	
Restore to *	Auto-select	•
Connect to	Auto-select	Ŧ
Power on target VM after restoring *	Off Please keep the original backed up VM poweroff after enable this function.	
VM Configurations	test CentOS_2017-12-26 10:54:46  Unfold any VM to modify corresponding configuration info	

**Single VM Configurations**: Select a target VM, you can rename it and pre-set its storage, network information details as below:

VM Configurations *	<u>test CentOS 2017-12-26</u>	10.54:46	_
	Name&Status	Restored VM Name: *	
	Storage	test_CentOS_2017_12_26_10_54_46	
	Network	Power on the VM after restoring*	
	Unfold any VM to modify correspond	ding configuration info	

Note: When renaming the VM, make sure there's no special characters. Any combination of letters, numbers and underscore characters are recommended.

VM Configurations *							
	Name&Status	Disk selected VM Disk Total Size Restore To Disk Type Setting					
	Storage		[localraid 5.4T] test				
	Network	<b>~</b>	centos ( 79.12 ) /test centos ( 79.12 ) .vmdk	16GB	Auto-select •	Same as source v	
	Expand any VM to modify correspondin	g configuration in	fo				

Note: You can select one more multiple virtual disks to restore by clicking " when there are multiple disks

are attached to this VM. If you don't restore the OS disk, there will be no operating system in the restored VM, you need to re-install a new operating system or mount the data disk to another VM to use.

If choose Auto-select in the "Storage", the system will automatically choose the biggest storage space. If all the storages are out of free space, the restore job will fail, and system will remind insufficient space.

VM Configurations *	Centos7_3_2123_2018	-06-04 11:04:50				_
	Name&Status	Disk selected	VM Disk	Total Size	Restore To	Disk Type Settings
	Storage		[iscis_200GB] centos7_3_2123/centos7_3_2123_0.vmdk	8GB	Aut 🔻	Same as si 🔻
	Network		[iscis_200GB] centos7_3_2123/centos7_3_2123_1.vmdk	2GB	Aut 🔻	Same as sr 🔻

When a virtual machine has multiple disks, you can choose individual disks to restore without having to restore all the disks on the virtual machine by click " $\sqrt{"}$ .

You can also choose where to connect the VM network interface to after restoring.

VM Configurations *								
	Name&Status	VM Network Interface	MAC Address	Remain MAC	Connect To			
	Storage	0	fe:b5:a8:35:8c:c5		Auto-select			
	Network							

Warning: The SANGFOR platform does not support two VMs sharing one MAC address. Please ensure the original VM has been deleted before you tick "Remain MAC".

#### **Restore Strategy**

Choose "Restore at once" or Restore as scheduled" as below:

VM Restore		
🗃 New Job		
1 v Restore Point	2 Restore Destination	3 Restore Strategy
Set up restore strategies for the restore	job	
Restore Strategy *	Restore at once	
	Restore at once Restore as scheduled	

If choosing "Restore at once", the restore job will start running after created.

If choosing "Restore as scheduled", you need to set restore schedules as below. After done, the job will run as

Set up restore strategies for the rest	tore job	
Restore Mode *	Restore as scheduled	¥
Schedule -	✓ Restore Strategy (Even	ery Friday, 23:00:00Start, Unrepeat) -
	Every Day	Every Week Monday Tuesday Wednesday Thursday
	Every Week	Start Time 23:00:00 Ø
	Every Month	Repeat OFF 3

#### scheduled.

Note: Restore as schedule is not recommended if no special circumstances, because restoring too many VMs will occupy productive resources.

### **Review & Confirm**

After finish, you are able to review and confirm the settings. Click "Submit" if correct, the restore job creation will be completed.

Vinchin # Home & Backup/Restore > @ Res	sources -> LogAlert ->	요 admin ~
1 v Restore Point 2	✓ Restore Destination       3     ✓ Restore Mode     4     Review & Confire	m
Please review and confirm your configurations.		
Job Name :	Redhat RHV/OvirtRestore1	
Restore Point	Derauit por name coura de modimeo.	
Restore point info :	Redhat RHV/Ov/rtRestore 192.168.79 60/Data_Center/cluster/Cluster_TEST/vm/windows_server_2008(2018-01-03 17:10:16)	
Restore Destination		
Restore Destination :	Restore to 192.168.79.60 (Master Node IP: 192.168.79.60) → 79.62; 192.168.79.62	
	The restored VMs'names are: windows_server_2008_2018_01_03_17_10_16	
Restore Mode		
Restore Mode :	Restore as scheduled : Restore Strategy (Every Fridey, 23.00.00Start, Unrepeat)	
	€ Back Submit ⊙	

Note: You can rename the restore job. Make sure all the settings are correct before submitting. If you have chosen" Restore at once", the restore job will start running once you submit the job.

### **Perform Restore Job**

After creating a new restore job, you will see this job in the "Current Job List" as below:

Curr	urrent job									
Ű.	n Job List									
Pa	Page < 1 > of 1   View 10 • records per page   Total 10 records Search by job name Search								Search	
	Job Name 🕴	Platform 0	Јор Дуре 🕴	Creation Time	Status 💧	Speed 0	Creator 0	Operation		
Đ	Redhat RHV/OvirtRestore1	Redhat RHV/Ovirt	Restore	2018-01-03 18:02:54	Pending		admin	입 Option	s ~	
Đ	Redhat RHV/OvirtBackup1	Redhat RHV/Ovirt	Backup	2018-01-03 16:42:16	Pending		admin	2 Option	s 🛩	
ŧ	VMware vSphereRestore1	VMware vSphere	Restore	2017-12-29 11:56:24	Stopped		admin	2 Option	s ~	

Click" 🗄 ", you can review the restore schedules of this job as below (if you have set "Restore as scheduled").

vinchin 🦸 Home 🛷 🛚	ackup/Restore 🗸 🔛 Resource	es -> 🔱 Log/Alert ->						요 admin ~
Current.job								
😰 Job List								
Page < 1 > of 1   View 10 • records   T	otal 2 records					Search t	y job name	Search
Job Name	Platform	Job Type	Creation Time	🗸 Status	0 Speed	Creator 0	Operation	
Redhat RHV/Ovirt Restore1	Redhat RHV/Ovirt	Restore	2018-01-08 09:01:32	Pending	-	admin	🔄 Options 🗸	
Schedule: Every Week Friday, 23:00:00 Start, Unrepeat	]							
Redhat RHV/Ovirt Backup1	Redhat RHV/Ovirt	Backup	2018-01-08 08:53:15	Pending	-	admin	♦ Options ~	
Tip: Click job name you can view the job details.								×

Click "Options"  $\rightarrow$  "Activate job" to start the restore job.

Cur	rent.job							
6	Job List							
P	age < 1 > of 1   View 10 • r	ecords per page   Total 10 records					Search by job name	Search
	Job Name 🕴	Platform \$	Job Type	Creation Time	Status 🕴	Speed 🕴	Creator 0	Operation 0
(	Redhat RHV/OvirtRestore1	Redhat RHV/Ovirt	Restore	2018-01-03 18:02:54	Pending		admin	🖕 Options 🗸
3	Schedule: Full Backup: Every Week 5, 23:00:0	0Start, Unrepeat						Activate Job
[	E Redhat RHV/OvirtBackup1	Redhat RHV/Ovirt	Backup	2018-01-03 16:42:16	Pending		admin	Stop

If you want to stop this restore job, click "Stop". Click "Options" again, you can activate or delete this job as you want.

C	urrent Job							
	n Job List							
	Page < 1 > of 1   View 10 •	records per page   Total 10 records					Search by job name	Search
	Job Name 🔶	Platform \$	Job Type	Creation Time	Status 🕴	Speed 🕴	Creator 🕴	Operation 🔶
	Redhat RHV/OvirtRestore1	Redhat RHV/Ovirt	Restore	2018-01-03 18:02:54	Running		admin	한 Options ~
	Schedule: Full Backup: Every Week 5, 23:00:0	I0Start, Unrepeat						Stop
Cu	rrent Job							
¢	Job List							
P	'age < 1 → of 1   View 10 ▼ r	ecords per page   Total 10 records					Search by job name	Search
	Job Name	Platform \$\$	Јор Дуре 👌	Creation Time	Status 🕴	Speed 🕴	Creator $\phi$	Operation 🔶
	Redhat RHV/OvirtRestore1	Redhat RHV/Ovirt	Restore	2018-01-03 18:02:54	Stopped	-	admin	🖞 Options 🗸
	Schedule: Full Backup: Every Week 5, 23:00:01	OStart, Unrepeat						Activate Job
	Redhat RHV/OvirtBackup1	Redhat RHV/Ovirt	Backup	2018-01-03 16:42:16	Pending		admin	Delete

When the job is in a running status, click the job name, you will see the job details page.

e ( 1 ) of 1 View 1/	records per page   Total 10 p	acords					Conrola key let		0-
	i recorda per pager rotar rom						Search by Job	name	56
Job Name	Platform	🝦 Job Type	Creation Time	•	Status	Speed	Creator	Operatio	n
Redhat RHV/OvirtRestore1	Redhat RHV/Ovirt	Restore	2018-01-03 18:0	)2:54	Running	33.6MB/s	admin	🖕 Optio	ns ~
Redhat RHV/OvirtBackup1	Redhat RHV/Ovirt	Backup	2018-01-03 16:4	12:16	Pending		admin	🖕 Optio	ns ~
VMware vSphereRestore1	VMware vSphere	Restore	2017-12-29 11:5	6:24	Stopped		admin	2 Optio	ns ~
Jetails									<b>+</b> E
Job Flow					<li>Ba</li>	sic Info			
IMB/s				-	Job N	ame :	Redhat RHV	//OvirtRestore1	
IMB/s					Job Ty	/pe :	Restore[Red	that RHV/Ovirt]	
MB/s					Job S	atus :	Running		
IMB/s					Proce	ssed :	580.56MB		
					Start 1	Time:	2018-01-03	18:06:24	
					Durati	on :	00:00:32		
b Progress				4.76	Job fir %	hish at :	2018-01-03	18:12:32	
Run Log Current Run	History Run								
<ul> <li>Transfering vm windows_server</li> </ul>	_2008_2018_01_03_17_10_16's dis	*19948566-ef3f-4d22-9642-1	1d2c31d0d04d' backup data					2018-01-03 18:06	:36
Creating VM 'windows server 2	2008_2018_01_03_17_10_16'								

Run Log: Records the current restore job running progress.

VM List: Shows the current job details including VM Name, Job Type (Restore), VM Size, Data Size, Transfer Size, Written (The real size that has been restored), Speed(Data transfer speed), Progress(Job running progress), Status etc.

**History Job**: If you've set "Restore at once" for this restore job, this job will be auto-deleted after completing restoring and shows no data. If you've set "Restore as scheduled", you can review all the history operations of this restore job.

Warning: During a restore process, do not power on the VM before the restore job is completed, otherwise the VM data will be damaged or lost.

### **VM Instant Recovery**

VM Instant Recovery helps to recover TB sized VMs in 15 secs, all business recovery in 1 min, minimized the break-off time of critical businesses. When creating a VM Instant Recovery job, make sure there's available restore point. If no, please backup target VM(s) with Vinchin Backup & Recovery system first.

#### **Create Instant Recovery Job**

Click "VM Instant Recovery" you are coming to the instant recovery new job adding page. Select a target VM restore point under the SANGFOR HCI which you want to instantly recover as below. You can quickly find the target restore point by specifying backup node and selecting "Group by VMs" or "Group by Restore Points" accordingly.

vinchin	🕷 Home		🖁 Resources 🗸 🗘 Log/A	Alert ~ 🚺
VM Instant Recovery		① New Job	😐 Monitor & Manage	
🏫 New Job		🕫 VM Backup	🚳 Current Job	
		🖘 VM Restore	History Job	
	Destore Doint	🕴 VM Instant Recovery	🖵 Restore Points	in by VMs
	Restore Poin		🕞 Backup Copy	
			💷 Virtual Machines	)
		SANGFOR H SANGFOR H SANGFOR H SANGFOR H VMware vSphe WMware vSphe	ICI Backup1 2008 18-10-23 16:54:53(Full Backup) 18-10-26 23:00:12(Full Backup) ICI Backup-Megaplus ICI Backup-Megaplus re phere Backup1	
		Please select one restore	point of target VM to be instant-restored	

Note: You can only select one VM restore point for each instant recovery job.

Select a host as the restore destination where you want to run the instantly recovered VMs, and select the backup node IP/domain where the backup repository was mounted.

Target Host *	□ <b>\$</b> 192.168.129.30 └─ <b>@</b>	
	Please select a host where to run the instant-restored VM	
Backup Node *	192.168.129.17	•

You can also preset the restored VMs' name, network connection and whether to power on the VM after restoring.

VM Configurations *	Name&Status	Restored VM Name: *					
	Network	test_CentOS_2017_12_26_10_54_46VM_Instant_Recovery					
		Power on the VM after restoring*					
VM Configurations *	Name&Status	VM Network Interface MAC Address Remain MAC Connect To					
	Network	0 fe:b5:a8:35:8c:c5 Auto-select •					

You can also change the job name, click "OK" you are coming to the Current Job List as below:

CL	irrent Job								
	🗗 Job List								
	Page < 1 > of 2  View 10 • records p	er page  Total 15 records					Search by job	name	Search
	Job Name	Platform	Job Type	Creation Time	Status 🔅	Speed 0	Creator	Operation	÷
	E Redhat RHV/OvirtInstant Recovery1	Redhat RHV/Ovirt	Instant Recovery	2018-01-05 10:48:23	Pending		admin	2 Options ~	

Operation details please refer to <u>VM Restore</u>.

### **Perform Instant Recovery Job**

Click "Activate" to activate the Instant Recovery job and click job name to view the job running details as below:

ent lob							
Job List	Table 45 and 4						_
ige < 1 > of 2  View 10 •	<ul> <li>records per page   lotal 15 records</li> </ul>					Searc	sh by job name S
Job Name	Platform	Job Type	Creation Time	<ul> <li>Status</li> </ul>	Speed	Creator	Operation
Redhat RHV/OvirtInstant Recovery1	Redhat RHV/Ovirt	Instant Recovery	2018-01-05 10:48:23	Pending		admin	은 Options ~
InCloud SphereInstant Recovery1	InCloud Sphere	Instant Recovery	2018-01-04 17:33:55	Running		admin	Activate Job
InCloud SphereRestore1	InCloud Sphere	Restore	2018-01-04 17:27:00	Pending	-	admin	Stop
InCloud SphereBackup2	InCloud Sphere	Backup	2018-01-04 17:11:01	Pending		admin	은 Options ~
nchin « Hor	ne 🗢 Backup/Restore 🗸 🚆 R	tesources 🗸 🗘 Log/Alert 🗸					요 admin
Details							<b>▲</b> Bi
VM instant recovery information							
	Backup Locati 192.168.101.4	on I2	Res VM Jest	tore Location: 192.1 Name _CentOS_2017_12	68.79.20 2_26_10_54_46VM	_instant_Recovery	
Run Log	Backup Locat 192.166.101.4	on 12	Res VM :test	tore Location:192.1 Name CentOS_2017_12	68.79.20 2_26_10_54_46VM	Instant_Recovery	
Run Log	Backup Locat 192 166 101 4	on 2	Rest VM Jest	tore Location: 192. 1 Name CentOS_2017_12	68.79.20 2_26_10_54_46VM	_instant_Recovery	2017-12-26 11:38:05
Run Log         Connecting to virtual fleesystem to star           Creating instant recovery VMnet_Cer	t Instant recovery job	on 2 2 scovery	Res Vet Jest	tore Location: 192 1 Name CentOS_2017_12	68.79.20 2.26_10_54_46VM	Instant_Recovery	2017-12-20 11:38:05 2017-12-20 11:37:58
Run Log         Connecting to virtual Resystem to star           Creating Instant recovery VMItest_Cer         Creating senserver Instant recovery re           Creating senserver Instant recovery re         Creating senserver Instant recovery re	t Instant recovery job HIOS_2017_12_26_10_54_46VM_Instant_R spository, repository name: Virtual Xe Recov	on 2 acovery ery File System	Res	tore Location: 192. 1 Name CentOS_2017_12	68.79.20 2.26_10_54_46VM	_instant_Recovery	2017-12-20 11-38:05 2017-12-20 11-37:59 2017-12-20 11-37:59
Run Log         Connecting to virtual Besystem to star           Conseting Issuent recovery VMTest_Car         Carating Instant recovery VMTest_Car           Creating senserver instant recovery re         Mounting NFS storage	tt Instant recovery job exostory, repository name: Virtual Xe Recov	on 2 acovery' wry Filo System'	Res Jest	tore Location:192 1 Name CentOS_2017_12	68.79.20 1.26_10_54_46VM	Jestant Recovery	2017-12-26 11-38-05 2017-12-26 11-37-59 2017-12-26 11-37-58 2017-12-26 11-37-58
Run Log           Connecting to virtual filesystem to star           Creating instant recovery VMIest_Cer           Creating xenserver instant recovery re           Mounting NFS storage           Connecting to xenserver host, lpr. '1922	rt Instant recovery job nt05_2017_12_26_10_54_46VM_Instant_R spository, repository name: Virtual Xe Recov	on 2 acovery' Pio System'	Res Ver Jest	tore Location: 192. 1 Name CentOS_2017_12	68.79.20 2.26_10_54_46VM	Justani, Recovery	2017-12-26 11-38.05 2017-12-26 11-37.99 2017-12-26 11-37.58 2017-12-26 11-37.58 2017-12-26 11-37.58
Run Log     Connecting to virtual filesystem to star       Creating instant recovery VMInst_Car       Creating senserver instant recovery re       Mounting NF's storage       Connecting to xenserver heat, lp: "152	ti Instant recovery Job mOS_2017_12_26_10_54_46VM_Instant_R spository, repository name: Virtual Xe Recov	an accovary' wry File System'	Rest	tore Location:192.1 Name ContOS_2017_12	68.79.20 1,26_10_54_46VM	Jostant, Recovery	2017-12-26 11 38:05 2017-12-26 11 37:59 2017-12-26 11 37:58 2017-12-26 11 37:58 2017-12-26 11 37:58
Run Log         Connecting to virtual Besystem to star           Creating Instant recovery Virtual Certaining summerver histant recovery recovery recovery recovery recovery recovery recovery recovery and the summer of the sense receiver heat, lip: '112'           Connecting to xenserver heat, lip: '112'	Itestant recovery job HOS_2017_12_26_10_54_46VM_Instant_R spository, repository name: Virtual Xe Recov	on 2 acovery' File System'	Res VM Jest	tore Location 12.1 Name _ContOS_2017_12	68.79.20 L_26_10_5L_46VM	Justant, Recovery	2017-12-26 11-38 05 2017-12-26 11-37 59 2017-12-26 11-37 58 2017-12-26 11-37 58 2017-12-26 11-37 58
Run Log Connecting to virtual Besystem to star Crasting instant recovery VMTest_Cer Crasting senserver hutant recovery re Mounting NPS storage Connecting to xenserver host, ip: '192	rt Instant recovery job HOS_2017_12_28_10_54_46VM_Instant_R spository, repository name: Virtual Xe Recov 168.79.20	on 2 accovery' Pio System'	Res M Jest	Centos 2017.12	68.79.20 (_36_10_54_46VM	Instant_Recovery	2017-12-26 11-38.05 2017-12-26 11-37.99 2017-12-26 11-37.58 2017-12-26 11-37.58 2017-12-26 11-37.58
Run Log Connecting to virtual filesystem to star Creating Instant recovery VMInst_Car Creating sensarer instant recovery re Mounting NFS storage Mounting to xenserver heat, ip: '192	rt Instant recovery Job mOS_2017_12_26_10_54_40VM_Instant_R apository, repository name: Virtual Xe Recov	acovary' wry File System'	Respondence	Control Location: 192. 1 Name Controls_2017_12	68.79.28 1,26_10_54_46VM	Jostant, Recovery	2017-12-26 11-38:05 2017-12-26 11-37:59 2017-12-26 11-37:58 2017-12-26 11-37:58 2017-12-26 11-37:58

After the job is completed successfully, you can power on the recovered VMs.

If you have preset "power on the VM after restoring", the VM will be powered on automatically once you activate the job in 15 seconds.

Log in to SANGFOR management platform, you can see the instantly recovered VM is created in second level, click "Console" of this vm you will see it is workable:

	Start 🛛 Suspend 🗌 Shut Down	() Power Off $\bigcirc$ Reset $\bigcirc$ CD/DVD Drive $\checkmark$	- 🕑 Edit 🛛 🔒 Hot Keys 🗸 🛱 Full Scre	en 🕝 Refresh
C en LS D C Vanyeung Vanyeung Log In Log I	vmTools are not installed on this virtual machine. Install Now			×
		Image: Constraint of the second s	ng • • • • • • • • • • • • • • • • • • •	US Q O

Warning: Do not create snapshot on the instantly recovered VM, or change any disk information. Otherwise error will occur to the VM or it will crash.

If you stop the job when it's still running, the restored VM will be deleted. System will remind you as below:



Warning: If you stop the instant recovery job, all the recovered VM information will be deleted (Including newly increased data during the instant recovery). If you need to reserve the recovered VM and its newly increased data, do not stop the job until you have migrated them to a safe place.

### **VM Migration**

When performing instant recovery job, the VM and newly increased data can be synchronously migrated to the production area via Vinchin Backup & Recovery live-migration function without effecting the normal operation of your business.

Select a normally running instant recovery job and click "Migration" as below:

vinchin	# Home 🧔	Backup/Restore 🗸	🗑 Resources 🗸	🗘 Log/Alert 🗸 😢						<u>Ω</u> admin ∨
Current.job										
🗃 Job List										
Page < 1 > of 2	/iew 10 ▼ reco	ords per page  Total 15	records					Searc	h by job name	Search
Job Name		Platform		Job Type	Creation Time	🗸 Status	\$peed	Creator	Operation	
E Redhat RHV/OvirtInstar	t Recovery1	Redhat RHV/Ovi	irt	Instant Recovery	2018-01-05 10:48:23	Running		admin	2 Options	× .
InCloud SphereInstant F	lecovery1	InCloud Sphere		Instant Recovery	2018-01-04 17:33:55	Running	-	admin	Aigrat 🥐	ion
InCloud SphereRestore		InCloud Sphere		Restore	2018-01-04 17:27:00	Pending		admin	E Stop	
InCloud SphereBackup2		InCloud Sphere		Backup	2018-01-04 17:11:01	Pending		admin	2 Options	× .
VMware vSphereRestor	e3	VMware vSphere	e	Restore	2018-01-04 16:37:53	Pending		admin	2 Options	× .

Target Host: Select a host where you want to migrate the VM to.

Target Host *	□ <b>ヘ</b> 192.168.79.60	) (Master Node IP:192.168.79.60) 2.168.79.62
	Please select a target h	ost where to run the migrated VM.
A Configurations *	Name&Status	Migration VM Name : *
	Storage	windows_server_2008_2018_01_04_23_00_00VM_Instant_RecoveryMigration
	Network	Migration Power on the VM after restoring*

#### VM Configurations:

"Name & Status" allows you to preset the migrated VM name and whether to power on it after migrating as below:

VM Configurations *	Name&Status	Migration VM Name: *
	Storage Network	test_CentOS_2017_12_26_10_54_46VM_Instant_RecoveryMigration Migration Power on the VM after restoring *

Note: Make sure there's no special characters, no more than 60 characters. Any combination of letters, numbers and underscore characters are recommended.

If choose Auto-select in the "Storage", the system will automatically choose the biggest storage space. If all the storages are out of free space, the restore job will fail, and system will remind insufficient space.

VM Configurations *	Name&Status	VM Disk	Total Size	Restore To
	Storage	test CentOS 0	10GB	Auto-select 🔹
	Network			

The "VM network interface" belongs to the backed up VM. This setup is to band it to a destination host's network interface.

VM Configurations *	Name&Status	VM Network Interface	MAC Address	Remain MAC	Connect To	
	Storage	0	fe:b5:a8:35:8c:c5		Auto-select	٠
	Network					

Note: If tick "Remain MAC", system will remain the MAC of original backed up VM, not the MAC of instant-recovered VM.

Click "OK" to start the migration job. You can view the migration job running details in the previous instant recovery job.

vinchin # Home	O Backup/Restore ✓ 🛛 Resources ✓ 🗘 Log/Alert ✓	£, admin ∨
	Backup Location 192.168.101.42 Backup Location 193.101.101.101.101.101.101.101.101.101.10	
Job Progress		19.88%
Run Log Basic Info VM List		
<ul> <li>Opening virtual disk 'test CentOS 0_2017-</li> </ul>	42-26 11:46:33	2017-12-26 11:46:41
<ul> <li>Migrating restore point data</li> </ul>		2017-12-26 11:46:40
Creating VM 'test_CentOS_2017_12_26_1	10_54_46VM_instant_RecoveryMigration	2017-12-26 11:46:33
<ul> <li>Capturing migration job size</li> </ul>		2017-12-26 11:46:33
Loading live migration job configuration infe	formation	2017-12-26 11:46:33

After migration completed, the migration job will automatically change back to "Instant Recovery Job" and this job is still in a running status. But the VM in this job is powered off and the business will be taken over by the migrated VM.

Warning: Do not power on the VM when it is being migrated, otherwise the VM will be damaged.

### **Monitor & Manage**

### **Current Job**

After creating a new job (backup/restore), you can view and manage the new created job in the current job page. All the basic information and status of the job will be shown in the current job list. You can activate, stop or delete the job accordingly. Click "Backup /Restore"  $\rightarrow$  "Current Job".

vinchin # Home	€ Backup/Restore ∨	≌ Resources ∨
Current Job	⊕ New Job	😐 Monitor & Manage
Page < 1 > of 1   View 10 • re	→ VM Backup ⊲ VM Restore	n History Job
Job Name	9 VM Instant Recovery	Restore Points
VMware vSphereRestore1		Virtual Machines
VMware vSphereBackup2	VMware vSphere	Backup
VMware vSphereBackup1	VMware vSphere	Backup

You can search the certain job by entering job name in the right top search bar.

Click "Options" to activate or stop the certain job.

Current Job														
🖶 Job List	Job List													
Page < 1 > of 1   View 10 * records	per page   Total 6 records					Search by job	name Se	arch						
Job Name	Platform	Job Type	Creation Time	Status 🔅	Speed 0	Creator	Operation							
VMware vSphereRestore1	VMware vSphere	Restore	2017-12-26 12:12:04	Pending		admin	🔮 Options 🛩							
VMware vSphereBackup2	VMware vSphere	Backup	2017-12-26 12:08:56	Pending		admin	✿ Options ∽	٦						
VMware vSphereBackup1	VMware vSphere	Backup	2017-12-26 12:08:38	Pending		admin	Har Activate Incr.	£						
Citrix XenServerInstant Recovery1	Citrix XenServer	Instant Recovery	2017-12-26 11:36:26	Stopped		admin	±U Activate Diff.							
E Citrix XenServerRestore1	Citrix XenServer	Restore	2017-12-26 11:07:39	Pending		admin	Activate Full							
E Citrix XenServerBackup1	Citrix XenServer	Backup	2017-12-25 18:11:28	Pending		admin	Stop							

Click "  $\pm$  ", you can review the backup schedules of this job.

Job List							
age < 1 > of 1   View 10 • re	ecords per page   Total 6 records					Searc	h by job name Searc
Job Name	Platform	Job Type	Creation Time	- Status	Speed	Creator	Operation
VMware vSphereRestore1	VMware vSphere	Restore	2017-12-26 12:12:04	Pending	-	admin	🔄 Options ~
VMware vSphereBackup2	VMware vSphere	Backup	2017-12-26 12:08:56	Pending	12	admin	堂 Options ~
VMware vSphereBackup1	VMware vSphere	Backup	2017-12-26 12:08:38	Pending	-	admin	🔮 Options ~
Citrix XenServerInstant Recovery1	Citrix XenServer	Instant Recovery	2017-12-26 11:36:26	Stopped	-	admin	🖕 Options 🗸
E Citrix XenServerRestore1	Citrix XenServer	Restore	2017-12-26 11:07:39	Pending	-	admin	✿ Options ∽
Citrix XenServerBackup1	Citrix XenServer	Backup	2017-12-25 18:11:28	Pending	-	admin	🔮 Options ~
Schedule: Full Backup: Every Day 23.00 Incremental Backup: Every Da Retention Policy: Days retention. Retention value	:00Start, Unrepeat ay 23:00:00Start, Unrepeat e is 30						

Click the job name, you will see the job running details page as below:

vinchin # Home BackupRestore S & Resources - & Log/Alert -		요 admin v
Job Details		🗲 Back
🖮 Job Flow	<li>Basic Info</li>	& Repository Info 🛛 🛗 Strategy Info
34M8/s	Job Name :	Citrix XenServerBackup1
29MB/s 24MB/s	Job Type :	Backup[Citrix XenServer]
20MB/s	Job Status :	Running
15MB/s <sup>-</sup>	Total Size :	8.05GB
	Processed :	790.19MB
OKB/s	Start Time:	2017-12-26 10:45:55
lob Progress	Duration :	2017-12-26 10:54:57
9.59%	JOD IIIIJII di .	2017-12-2010.04.07
Kon Log Culterin Koll Problem Koll     Kon Log     Kon Log		2017-12-26 10.46 00 2017-12-26 10.46 00 2017-12-26 10.46 00 2017-12-26 10.46 00 2017-12-26 10.46 00 2017-12-26 10.46 00 2017-12-26 10.46 00
Copyright & 2017 Vinchin build: 4.0.4345		

In the job running page, you can check the job current running details, as well as job history running details.

Click the top right "Back", you can go back to the current job list.

If you preset the job as run at once, it will disappear from the current job list and system will remind you the job has been finished. You can find it from the History Job page.

If you preset the job as run as scheduled, it will stay in the current job list when first time job finished, and waiting for next run automatically.

### **History Job**

Click "Backup/Restore"  $\rightarrow$  "History Job", you are coming to the history job page. All the performed jobs will be listed here for you to review the history job running details and status. You can also delete any of the history jobs when necessary.

/ir	າດໄ	hin	# Home	✤ Backup/Restore ∨	🖀 Resources 🗸 🛛 🗘	Log/Alert ~						<u>ட</u> ி admir
iston	yjob			⊕ New Job	😐 Monitor & Man	age						
🖬 Jo	ob Lis	t		ℯ> VM Backup	a Current Job							
ŧ۵	Delete			⊲ VM Restore	19 History Job							
Page	) (	1	> of 2   View 10 • re	9 VM Instant Recovery	🖵 Restore Points						Search by job name of	or virtua Searc
		No.	Job Name		IBI Virtual Machines	tor	Total	Processed	Written	Start Time	End Time	🗸 Status
÷		1	VMware vSphereBackup1	VMware vSphere	FullBackup	admin	1.33GB	1.33GB	724.31MB	2017-12-26 12:09:17	2017-12-26 12:11:08	success
ŧ		2	Citrix XenServerInstant Recovery1	Citrix XenServer	Migration	admin	1.29GB	1.29GB	1.29GB	2017-12-26 11:46:33	2017-12-26 11:47:32	success
÷		3	Citrix XenServerRestore1	Citrix XenServer	Restore	admin	1.29GB	1.29GB	1.29GB	2017-12-26 11:23:43	2017-12-26 11:25:04	success
÷		4	Citrix XenServerBackup1	Citrix XenServer	IncrementalBackup	admin	2MB	2MB	532.96KB	2017-12-26 10:54:46	2017-12-26 10:55:10	success
÷		5	Citrix XenServerBackup1	Citrix XenServer	IncrementalBackup	admin	4MB	4MB	1.13MB	2017-12-26 10:54:09	2017-12-26 10:54:33	success
+		6	Citrix XenServerBackup1	Citrix XenServer	FullBackup	admin	8.05GB	8.05GB	4.39GB	2017-12-26 10:45:55	2017-12-26 10:53:57	success
+		7	Citrix XenServerBackup1	Citrix XenServer	FullBackup	admin	1.29GB	1.29GB	699.03MB	2017-12-25 17:49:37	2017-12-25 17:50:27	success
÷		8	VMware vSphereInstant Recovery1	VMware vSphere	Migration	admin	12.61GB	12.61GB	12.61GB	2017-12-25 17:16:30	2017-12-25 17:21:18	success
÷		9	VMware vSphereRestore1	VMware vSphere	Restore	admin	12.61GB	12.61GB	12.61GB	2017-12-25 16:57:50	2017-12-25 17:02:51	success
(F)		10	VMware vSphereBackup1	VMware vSphere	IncrementalBackup	admin	896KB	896KB	232.17KB	2017-12-25 16:36:20	2017-12-25 16:36:32	success

Note: If you delete any history job from the history job page, it will also be deleted from homepage history job list.

### **Restore Points**

After finishing a backup job successfully, you can view and manage the corresponding restore point from "Backup/Restore"  $\rightarrow$  "Restore Points".

vinchin <b>#</b> Home	➔ Backup/Restore ∨	≌ Resources ∨
Restore Point	⊕ New Job	묘 Monitor & Manage
Restore Point	ℯ VM Backup	🚓 Current Job
Virtual Infrastructure List	♦ VM Restore	っ History Job
🛢 Bulk Delete	Y VM Instant Recovery	Restore Points
All nodes 🔻		ucture tree on the left.
Citrix XenServer		3.You can delete single restore point from [Options]{Delete]. 4.You can bulk delete restore points by clicking [Bulk Delete] on the top left

Expand the virtual infrastructure tree, find the target VM you have backed up and click on it, you will see all the restore points of this VM are listed in the right side of the page.

Restore Point								
n Restore Point								
Virtual Infrastructure List	ø Re	estore Point List						
😫 Bulk Delete	Page	< 1 $\rightarrow$ of 1   View	10 • records per pag	ge   Total 5 records				
All nodes	No.	Time Point	Туре	Total Size	Backup Size	Remark	Operation	Mark 0
🖃 🖬 😣 Citrix XenServer	1	2017-12-26 14:14:18	Incremental Backup	4MB	1.13MB		🔮 Options 🗸	
Citrix XenServerBackup1	2	2017-12-26 14:09:01	Full Backup	6.76GB	3.71GB		🔮 Options 🗸	☆
	3	2017-12-26 10:54:46	Incremental Backup	2MB	532.96KB		🔮 Options ~	
└─ 🐨 🌒 2017-12-26 10:54:46(Incremental Backup) □─ 🐨 🎯 2017-12-26 14:09:01(Full Backup)	4	2017-12-26 10:54:09	Incremental Backup	4MB	1.13MB		🔮 Options ~	
	5	2017-12-26 10:45:55	Full Backup	6.76GB	3.71GB		🔄 Options ~	☆
Citrix XenServerBackup2     Citrix XenServerBackup2     Citrix XenServerBackup2     Citrix XenServerBackup2     Vitware vSphere	Not	te: Once marked, the restore p	oint will be reserved permar	nently.				×
VMware vSphereBackup2     VMware vSphereBackup1								

Click "Options" under Operation, you will be able to remark or delete the point.

Restore Point								
Restore Point								
Virtual Infrastructure List	@ Re	store Point List						
😫 Bulk Delete	Page	< 1 > of 1   View	10 • records per page	Total 4 records				
All nodes   Search by VM nam	No.	Time Point	🗸 Туре	Total Size	Backup Size	Remark	Operation	Mark 0
	1	2017-12-24 23:00:04	Incremental Backup	0B	0B		🔮 Options 🗸	☆
InCloud SphereBackup2(Job has been deleted )     InCloud SphereBackup1	2	2017-12-23 23:00:04	Incremental Backup	0B	0B		& Remark	☆
S Citrix XenServer	3	2017-12-22 23:00:03	Full Backup	10.6GB	2.02GB		i Delete	☆
Redhat RHV/Ovirt     Redhat RHV/OvirtBackup2(Job has been deleted )	4	2017-12-15 11:47:20	Full Backup	5.61GB	2.02GB		🔮 Options 🗸	☆
	No	te: Once marked, the restore	e point will be reserved per	manently.				×

If you want to bulk delete multiple points, you can first select target points from the left tree, and click "Bulk

#### Delete".

/inchin # Home & Backup/Restore > 🔅	Resources ~	🗘 Log/Alert 🗸 👧						요 admin ·
estore Point								
n Restore Point								
Virtual Infrastructure List	<b>o</b> Re	estore Point List						
會 Bulk Delete	Page	< 1 > of 2  View	10 • records per page	Total 13 records				
All nodes   Search by VM na	Mo.	Time Point	🗸 Туре	Total Size	Backup Size	Remark	Operation	Mark o
□ ∎ InCloud Sphere	1	2018-01-04 23:00:00	Incremental Backup	0B	0B		🖞 Options 🗸	
D InCloud SphereBackup2(Job has been deleted )	2	2017-12-24 23:00:00	Incremental Backup	0B	0B		🔮 Options 🗸	
□ □ □ □ 2018-01-04 17:13:48(Full Backup)	3	2017-12-23 23:00:00	Incremental Backup	0B	0B		🖞 Options 🗸	
CentOS_7 2017-12-15 17:11:38(Full Backup)	4	2017-12-22 23:00:00	Incremental Backup	0B	0B		한 Options ~	
- 2017-12-15 23:00:00(Incremental Backup) 2017-12-16 23:00:00(Incremental Backup)	5	2017-12-21 23:00:00	Incremental Backup	0B	0B		실 Options ~	
- 2017-12-17 23:00:00(Incremental Backup) - 2017-12-18 23:00:00(Incremental Backup)	6	2017-12-21 14:17:53	Full Backup	946.23MB	471.15MB		✿ Options ✓	☆
-8 2017-12-19 23:00:00(Incremental Backup) 2017-12-20 23:00:00(Incremental Backup)	7	2017-12-20 23:00:00	Incremental Backup	0B	0B		🖞 Options 🗸	
	8	2017-12-19 23:00:00	Incremental Backup	0B	0B		✿ Options ✓	
Official Citrix XenServerBackup1(Job has been deleted )     Redhat RHV/Ovirt	9	2017-12-18 23:00:00	Incremental Backup	0B	0B		✿ Options ∨	
<ul> <li>Redhat RHV/OvirtBackup2(Job has been deleted )</li> <li>Redhat RHV/OvirtBackup1(Job has been deleted )</li> <li>Whware vSphere</li> </ul>	10	2017-12-17 23:00:00	Incremental Backup	0B	0B		한 Options ~	
中日 HBC CAS 中日 HBC CAS 年日 HBC CAS 年日 HBC CAS	No	te: Once marked, the resto	re point will be reserved per	manently.				×

#### Note:

- > Once deleted, the restore point is not recoverable.
- > If you want to reserve the restore point, you can mark it, it will not be auto-deleted due to retention policy.
- For XenServer, RedHat RHV/Ovrit, Sangfor HCI, Openstack only full backup restore point can be marked.
- For VMware, you can mark full backup, incremental backup and differential backup restore point.
- > To delete a restore point:
- For VMware, to delete a full backup restore point, you need to delete corresponding incremental backup or differential backup restore point.
- For XenServer, RedHat RHVOvrit, Openstack and Sangfor HCI when deleting full backup restore point, corresponding incremental backup or differential backup restore point will be deleted together with full backup restore point.
- Retention Policy for restore points:
- ✤ For VMware, when activating retention policy, the incremental restore points will be merged first, after the incremental points are merged or deleted, the full backup point will be auto-deleted due to retention policy.
- For XenServer, RedHat RHVOvrit, Openstack and Sangfor HCI, retention policy will delete full backup restore points accordingly, when deleting full backup restore points, corresponding incremental and differential backup restore points will be deleted together.

### Backup Copy (For VMware Only)

Backup copy allows you to copy the restore points to another storage (either in the same host or a different host locally). To further improve the security of backup data.

Click "Backup Copy" as below, you are coming to the Backup Copy Job List page.

vinchin	🖶 Home	✤ Backup/Restore ~ 器	Resources ~	🗘 Log/Ale			
# Dashboard >		⊕ New Job	D Monitor & I	Manage			
		r VM Backup	🙆 Current job	- I.			
	144.8Hou	🔩 VM Restore	ා History Job				
- )	System Upt	VM Instant Recovery	Restore Poin	ts			
			🕪 Backup Copy				
G VM & Repository			💷 Virtual Mach	ines			
vinchin	Home 🖸 Backup/Res	tore 🗸 😤 Resources 🗸 🛆 Loa/Aler	t ~ 🕥				Ω.ar
Backup Copy Copy the backup dat.	a to the storage device						
Backup Copy Job List							
+ New Job							
Page < 1 > of 1   View	10 • records   Total 2 record	is					
Job Nama	Platform	Destination	Speed	+ Progress +	Status	Creation Time	, Operation
JOD Name			GP		Stopped	2018-06-05 15:44:20	🖞 Options 🗸
Backup Copy-2	VMware vSphere	65.51Local Disk1(Local Disk, Capacity :199.9 Free Space:138.72GB)	00,				
Backup Copy-2      Backup Copy-aoaoa	VMware vSphere VMware vSphere	65.51Local Disk1(Local Disk, Capacity :199.9 Free Space:138.72GB) 65.51Local Disk1(Local Disk, Capacity :199.9 Free Space:138.72GB)	GB,	-	Stopped	2018-06-05 15:43:34	한 Options ~

Click "New Job" to create a Backup Copy job.

Restore Point: Select the target restore points which you want to copy.

Restore Point *	localhost.localdomain(192.168.65.51 2(~	droup by VMs	~
	VMware vSphere     VMware vSphere Backup(vsphere)     VMware vSphere Backup- hence     Backup Copy-2     Contos	ere6.7 lan-free)(Job has b Iro(Job has been deleted	peen deleted ) )
		ull Backup point) ull Backup point) ull Backup point) ull Backup point)	

**Copy to destination storage:** Select a destination storage where you want to store the backup copy.



You can rename the job.

After job is created, click "Activate Job" to start copy your backups.

rinchin	# Home & Backup/Restore >	🕮 Resources 🗸 🗘 Log/Alert 🗸 🚹					ඩු adn
ckup Copy Copy the backup da	ta to the storage device						
🕯 Backup Copy Job List							
+ New Job							
Page < 1 → of 1   Vie	w 10 v records   Total 3 records						
Job Name	Platform	Destination	Speed	+ Progress	Status	Creation Time	<ul> <li>Operation</li> </ul>
Backup Copy-test	VMware vSphere	65.51Local Disk1(Local Disk, Capacity :199.9GB, Free Space:138.72GB)	-	-	Stopped	2018-06-11 16:04:37	Options      ✓     Activate lob
Backup Copy-2	VMware vSphere	65.51Local Disk1(Local Disk, Capacity :199.9GB, Free Space:138.72GB)			Stopped	2018-06-05 15:44:20	Delete
Backup Copy-aoaoa	VMware vSphere	65.51Local Disk1(Local Disk, Capacity :199.9GB, Free Space:138.72GB)	-	-	Stopped	2018-06-05 15:43:34	선 Options ~
inchin	# Home O Backup/Restore V	8i Resources ∽ — (), Log/Alert ∽ 🚯					<u>रि</u> व
inchin drup Copy Copy the backup da	Home O Backup/Restore      into the storage device	Si Resources ∽			×		ይ ፡
<b>inchin</b> Skup Copy Copy the backup de Backup Copy Job List	Home     O Backup/Restore      ita to the storage device	Si Resources ✓ Log/Alert ✓ ✓ Activate backup export task Activate backup export task success			×		<u>ይ</u> ε
inchin Gup Copy Copy the backup do Backup Copy Job List + New Job	Home     Or Backup/Restore      v	Image: Second control of the secon			×		<u>۾</u>
inchin Glup Copy Copy the backup do Hackup Copy Job List + New Job Jage < 1 > of 1  Vie	Home     O Backup/Restore      v ta to the storage device      w     10     records   Total 3 records	Resources      ✓      Q. Log/Mert      ✓      Activate backup export task     Activate backup export task success			×		<u>۾</u>
inchin dup CopyCopy the backup dd ∳Backup Copy Job List + New Job Page < 1 > of 1  Vie Job Name	Home     O Backup/Restore     v     ta to the storage device      w     10     records   Total 3 records     Platform	Sil Resources <	General Speed	Progress	× status	Creation Time	ی م v Operation
in Chin dap Copy Copy the backup de b Backup Copy Job List ◆ New Job rage < 1 > of 1  Vie Job Name ⊞ Backup Copy-test	Home Backup/Restore  Home Home Backup/Restore  Hat to the storage device  Home Home Home Home Home Home Home Ho		Speed	Progress	Status Running	Creation Time 2018-06-11 16:04:3	. € € . < Operation . < Operation  . < Options ~
inchin dup Copy Copy the backup do b Backup Copy Job List + New Job Page (1) of 1  Vie Job Name B Backup Copy-2	Home Stackup/Restore  Home Backup/Restore  Home Home Home Home Home Home Home Home	Resources      Activate backup export task     Activate b	Speed	Progress 0.00%	Status Running Stopped	Creation Time 2018-06-11 16.04.3 2018-06-05 15.44.2	Coperation 7 ♀ Operation 7 ♀ Options ~ 10 ♀ Options ~

The backup data will be copied to the destination storage in 1-2 seconds. After finish, you can find the copy data from the storage.

### **Virtual Machines**

In the Virtual Machines page, you can view all the VMs status you added into Vinchin backup server from "Virtual Infrastructure". Click "Backup/Restore"  $\rightarrow$  "Virtual Machines" you are coming to the VM page.



You can manage the unprotected VMs, click "Options" under Operation, you can choose to add the VM to a current running backup job, or choose to create a new backup job for this VM.

Vi	tual Machine	5						
	n VM List						Export Exc	el Export CSV Print
	Page <	1 > of 2   View 10 • records per page   Total 1	4 records				Search by V	'M name or path Search
	No.	VM Name	Status 0	Latest Backup	Job Name 🔅	Restore Points	Backup Size	Operation 0
	1	H3C CAS (79.30)	Unprotected		-			✿ Options ∽
	2	NFS服务器 (79.5)	Unprotected		-	-	-	+ Add to current job
	3	ovirt_node(79.62)	Unprotected		-	-	-	A Create new job
	4	RHV-ovrit(79.60)	Unprotected					2 Options ~

Click "Add to current job", you can choose a current backup job to add the target VM in as below:



Click "Create new job" you can create a new backup job for the target VM.

### Log/Alert

### Job Log

Click "Log/Alert"  $\rightarrow$  "Job Log", you are coming to the job log page, here has listed all the job logs details including job running status, time and description etc. as below:

vin	cł	nin 🖪 Home	😔 Backup/Restore 🗟	器 Resources 👻	.Q. Log/Alert →					요 admin ~
ob Log					🗐 Job Log					
e Lo	g List				System Log					
80	olete	N			∬, Job Alert					
Page	6	1 > of 3   View 10 • re	cords per page   Total 26 rec	ords	🕼 System Alert				Search by job name	Search
	No.	Job Name	Platform	Job Type	User	Time	Status	Description		
	1	Citrix XenServerBackup2	Citrix XenServer	Backup	admin	2017-12-26 12:18:49	Normal	Job 'Citrix XenServerBackup2'has be	en created	
	z	VMware vSphereRestore1	VMware vSphere	Restore	admin	2017-12-26 12:12:04	Normal	Job 'VMware vSphereRestore1'has b	een created	
	3	VMware vSphereBackup2	VMware vSphere	Backup	admin	2017-12-26 12:08:56	Normal	Job "VMware vSphereBackup2"has be	en created	
	4	VMware vSphereBackup1	VMware vSphere	Backup	admin	2017-12-26 12:08:38	Normal	Job "VMware vSphereBackup1"has be	en created	
	5	Citrix XenServerInstant Recovery1	Citrix XenServer	Instant Recovery	admin	2017-12-26 11:36:26	Normal	Job 'Citrix XenServerInstant Recover	Thas been created	
	6	Citrix XenServerRestore1	Citrix XenServer	Restore	admin	2017-12-26 11:22:54	Normal	Job 'Citrix XenServerRestore1'has be	en stopped	
	7	Citrix XenServerRestore1	Citrix XenServer	Restore	admin	2017-12-26 11:07:39	Normal	Job 'Citrix XenServerRestore1'has be	en created	
	8	Citrix XenServerBackup1	Citrix XenServer	Backup	admin	2017-12-26 10:44:20	Normal	Job " Backup as scheduled has been	enabled	
	9	Citrix XenServerBackup1	Citrix XenServer	Backup	admin	2017-12-26 10:43:16	Normal	Job 'Citrix XenServerBackup1'has be	an stopped	
	10	Citrix XenServerBackup1	Citrix XenServer	Backup	admin	2017-12-26 10:40:04	Normal	Job " Backup as scheduled has been	enabled	

You can search a certain job to delete by entering the job name via the top right search bar as below:

Job Loş	l				Ť					
e Lo	g Lisi									
ĝ.	elete									
Page	<	1 → of 3   View 10 ▼ rei	cords per page   Total 26 records						Search by job name	Search
	No.	Job Name	Platform 0	Job Type	User 🕴	Time	Status 🔅	Description		÷
~	1	Citrix XenServerBackup2	Citrix XenServer	Backup	admin	2017-12-26 12:18:49	Normal	Job 'Citrix XenServerBackup2'has been	created	
~	2	VMware vSphereRestore1	VMware vSphere	Restore	admin	2017-12-26 12:12:04	Normal	Job 'VMware vSphereRestore1'has been	created	
~	3	VMware vSphereBackup2	VMware vSphere	Backup	admin	2017-12-26 12:08:56	Normal	Job 'VMware vSphereBackup2'has been	created	
	4	VMware vSphereBackup1	VMware vSphere	Backup	admin	2017-12-26 12:08:38	Normal	Job 'VMware vSphereBackup1'has been	created	
	5	Citrix XenServerInstant Recovery1	Citrix XenServer	Instant Recovery	admin	2017-12-26 11:36:26	Normal	Job 'Citrix XenServerInstant Recovery1'h	as been created	
	6	Citrix XenServerRestore1	Citrix XenServer	Restore	admin	2017-12-26 11:22:54	Normal	Job 'Citrix XenServerRestore1'has been	stopped	
	7	Citrix XenServerRestore1	Citrix XenServer	Restore	admin	2017-12-26 11:07:39	Normal	Job 'Citrix XenServerRestore1'has been	created	
	8	Citrix XenServerBackup1	Citrix XenServer	Backup	admin	2017-12-26 10:44:20	Normal	Job " Backup as scheduled has been en	abled	
	9	Citrix XenServerBackup1	Citrix XenServer	Backup	admin	2017-12-26 10:43:16	Normal	Job 'Citrix XenServerBackup1'has been	stopped	
	10	Citrix XenServerBackup1	Citrix XenServer	Backup	admin	2017-12-26 10:40:04	Normal	Job " Backup as scheduled has been en	abled	

Note: Once deleted, the job log is not recoverable.

### System Log

Click "Log/Alert"  $\rightarrow$  "System Log", you are coming to the system log page, here has listed all the system logs details including status, time and description etc. as below:

vir	Icł	nin	# Home & Backup/Restore < 2 Resources <	Q Log/Alert ∨	பூ admin ~
System	n Log			🗐 Job Log	
to Lo	g List			🖶 System Log	
80	elete	📥 Download System L	ogs	🕼 Job Alert	
Page	<	1 > of 8   View	10 • records per page   Total 72 records	lle System Alert	
	No.	User	Time	Status	Description
	1	admin	2017-12-26 14:03:40	Normal	System login success
	2	admin	2017-12-26 12:08:20	Normal	Authorizing host/localhost.localdomain[192.168.64.10]' success
	3	admin	2017-12-26 12:07:16	Normal	Adding virtual infrastructure'192.168.64.10[192.168.64.10] success '
	4	admin	2017-12-26 11:59:43	Normal	System login success
	5	admin	2017-12-26 11:16:58	Normal	Personal information was changed
	6	admin	2017-12-26 11:16:37	Normal	Personal information was changed
	7	admin	2017-12-26 10:35:21	Normal	System login success
	8	admin	2017-12-25 17:46:27	Normal	Authorizing host'xenserver-xswfpdkh[192.168.79.20]' success
	9	admin	2017-12-25 17:46:09	Normal	Adding virtual infrastructure'192.168.79.20[192.168.79.20] success '
	10	admin	2017-12-25 17:45:45	Normal	Adding virtual infrastructure'192.168.64.10[192.168.64.10] success '

You can choose target system logs to delete as below:

vi	۱cł	nin 📲	Home 😔 Backup/Restore 🗸 🖇	III Resources V 🗘 Log/Alert V 25		요 admin ~
Syste	m Log					
۵ I	.og Lis					
8	Delete	🛓 Download System	1 Logs			
Pag	)8 <	1 > of 9  View	10 🔻 records per page   Total 85 re	acords		
	No.	User 0	Time	- Status	Description	
~	1	admin	2018-01-05 11:17:57	Normal	Authorizing host cvknode1[192.168.106.61]' success	
~	2	admin	2018-01-05 11:17:04	Normal	Authorizing host xenserver 7.1 ( 66.72 ) [192.168.66.72] success	
C	3	admin	2018-01-05 11:17:04	Normal	Authorizing host xenserver 7.1 ( 66.73 ) [192.168.66.73] success	
E	4	admin	2018-01-05 11:16:55	Normal	Unauthorizing host'cvknode1[192.168.106.61]' success	
	5	admin	2018-01-05 10:41:12	Normal	System login success	
	6	admin	2018-01-04 17:03:26	Normal	System login success	
C	7	admin	2018-01-04 16:17:25	Normal	System login success	
	8	admin	2018-01-04 15:43:07	Normal	System login success	
	9	admin	2018-01-04 15:08:05	Normal	Unauthorizing host'xenserver 7.1 ( 66.72 ) [192.168.66.72]' success	
	10	admin	2018-01-04 15:08:05	Normal	Unauthorizing host xenserver 7.1 ( 66.73 ) [192.168.66.73]' success	

Note: Once deleted, the system log is not recoverable.

If you want to download the system logs, you can click "Download System Logs", then select backup node and choose a system log file in a certain day to download as below:

vinchin 🧖 Home 🗢 Back			
Delete     Download System Logs			
Page / 1 > of 81 View 10 * records per op			
	🛓 Download System Logs		
No. User IIme 2017 12 26 14 02 40			
	∠ Download		
	Page < 1 > of 1   View 10 • records per page	ge   Total 2 records	Backup Node localhost.localdor
4 admin 2017-12-20 12:07-10	Filename	▼ Size	Update Time
	✓ system_log_2017-12-26	139.32KB	2017-12-26 14:30:42
6 admin 2017-12-26 11:16:37	system_log_2017-12-25	186.3KB	2017-12-25 18:11:34
7 admin 2017-12-26 10:35:21			
8 admin 2017-12-25 17:46:27			
9 admin 2017-12-25 17:46:09			
10 admin 2017-12-25 17:45:45			

### **Job Alert**

Click "Log/Alert"-"Job Alert", you are coming to the job alert page. In this page you are able to view each job running alert including "Notice" "Warning" "Error", you can also delete them as below:

vin	ichii	n 🖷 Home	😔 Backup/Restore - S	Resources - Q	Log/Alert y 🜖			요 admin ~
job Ale	rt			Ø.	Job Log			
to Ale	ert List			B	System Log			
80	lelete 🗸	Mark as Processed		D.	Job Alert 🕚			
Page	c 1	> of 2   View 10 • reco	ords per page   Total 20 records	(ja	System Alert	All	Search by job name	Search
	No.	Job Name	Job Type	Alert Type	Alert Time	Description	Mark	Alert Details
	1	Citrix XenServerBackup1	Backup	Error	2017-12-26 14:36:31	Job failed.[#3122]could not connect to host or poor	Pending	Details
	2	Citrix XenServerBackup1	Backup	Notice	2017-12-26 14:14:41	Job success	Pending	Details
	3	Citrix XenServerBackup1	Backup	Notice	2017-12-26 14 13:09	Job success	Pending	Details
	4	VMware vSphereBackup2	Backup	Notice	2017-12-26 12:24:01	Job success	Pending	Details
	5	Citrix XenServerBackup2	Backup	Notice	2017-12-26 12:23:26	Job success	Pending	Details
	6	Citrix XenServerBackup2	Backup	Notice	2017-12-26 12:22:54	Job success	Pending	Details
	7	Citrix XenServerBackup2	Backup	Notice	2017-12-26 12:20:29	Job success	Pending	Details
	8	VMware vSphereBackup1	Backup	Notice	2017-12-26 12:19:26	Job success	Pending	Details
	9	VMware vSphereBackup1	Backup	Notice	2017-12-26 12:17:57	Job success	Pending	Details
	10	VMware vSphereBackup1	Backup	Notice	2017-12-26 12:11:08	Job success	Pending	Details

Note: Once deleted, the job alert is not recoverable.

New job alert is default marked as pending, if you have checked this alert and processed accordingly, you can mark it as processed by clicking "Mark as Processed". Click Details you can see the job alert details as below:

Page       1       of 2   Vier       10       records per page Total 20 records       Aftert Details       X         No.       Job Name       Job Type       Baskup       Aftert Details       X       Aftert Details       X         1       Othor XensReverBackup1       Baskup       Chrite XensReverBackup1       Baskup       Aftert Details       X       Aftert Details       X         2       Othor XensReverBackup1       Baskup       Chrite XensReverBackup1       Baskup       Aftert Details       X       Aftert Details       X         3       Chrite XensReverBackup1       Baskup       Othor XensReverBackup1       Baskup       Aftert Details       Z       Z       Z       Deb XensReverBackup1       Eactop       Z <th>All         Second by page 10 total 20 records         All         Second by page 10 total 20 records         Mark         All *         Second by page 10 total 20 records         Mark         All *         Second by page 10 total 20 records         Second by page 10 total 20 records         Mark         All *         Details         Second by page 10 total 20 records         Details         Second by page 10 total 20 records         Details         Details</th>	All         Second by page 10 total 20 records         All         Second by page 10 total 20 records         Mark         All *         Second by page 10 total 20 records         Mark         All *         Second by page 10 total 20 records         Second by page 10 total 20 records         Mark         All *         Details         Second by page 10 total 20 records         Details         Second by page 10 total 20 records         Details
No.     Job Name     Job Type     Baskup     Alert ID:     27       2     Clink KanSeverBackup1     Backup     Alert ID:     27       3     Clink KanSeverBackup2     Backup     Data KanSeverBackup1     Backup       4     Wavers SystemeBackup2     Backup     Data KanSeverBackup1     Backup       5     Clink KanSeverBackup2     Backup     Data KanSeverBackup1     Backup       6     Clink KanSeverBackup2     Backup     Repository:     Locational (192, 168, 101, 42)       7     Clink KanSeverBackup1     Backup     Alert Type :     error       8     Wilware SystemeBackup1     Backup     Alert Time:     2017,12-26, 14,36,31       9     Vilware SystemeBackup1     Backup     Description:     Job Taled [#3122]could not connect to host or poor       10     Wilware SystemeBackup1     Backup     Description:     Job Taled [#3122]could not connect to host or poor	se Job Type Backup1 Backup TerverBackup1 Backup ServerBackup2 Backup Berkup2 Backup Berkup2 Backup Ba
1     Clair: XenSlerverBackup1     Backup     Alert ID:     27       2     Clair: XenSlerverBackup1     Backup     Joh Name:     Clair: XenSlerverBackup1       3     Clair: XenSlerverBackup2     Backup     Platform:     Clair: XenSlerverBackup1       4     Wilvers uSphereBackup2     Backup     Joh Type:     Backup       5     Clair: XenSlerverBackup2     Backup     Joh Type:     Backup       6     Clair: XenSlerverBackup2     Backup     Node:     LocaDosk1.claidonain(192.168.101.42)       7     Clair: XenSlerverBackup2     Backup     Alert Type:     Errer       8     Wilvers uSphereBackup1     Backup     Alert Type:     Errer       10     Wilvers uSphereBackup1     Backup     Description:     Joh Tale 1(2:26.136.31       9     Wilvers uSphereBackup1     Backup     Description:     Joh Tale 1(2:26.200.01.01.01.01.01.01.01.01.01.01.01.01.0	ServerBackup1         Backup         Atert ID         27         Intertie         Dealth           ServerBackup1         Backup         Job Name         Citrix XenServerBackup1         Ended         Dealth           ServerBackup2         Backup         Data         Citrix XenServerFackup1         Ended         Dealth           ServerBackup2         Backup         Data         Citrix XenServer         Ended         Dealth           ServerBackup2         Backup         Dob Type :         Backup         Dealth         Ended         Dealth           ServerBackup2         Backup         Node         local Disk1         Ended         Dealth         Dealth           ServerBackup2         Backup         Repository :         Local Disk1         Ended         Dealth         Dealth
2     Cete XenferverBackup1     Backup     Job Name:     C/frx XenServerBackup1       3     Cete XenferverBackup1     Backup     Job Name:     C/frx XenServerBackup1       4     VMears VghereBackup2     Backup     Platform:     C/frx XenServerBackup1       5     C.tinx XenServerBackup2     Backup     Doctamost Locationain(192.166.101.42)       6     C.tinx XenServerBackup2     Backup       7     Cete XenServerBackup2     Backup       8     VMears VghereBackup1     Backup       9     VMears VghereBackup1     Backup       10     VMears VghereBackup1     Backup       11     VMears VghereBackup1     Backup	ServerBackup1         Backup         Alert U:         2/1         Detail           Job Name:         Citrix XnServerBackup1         Backup         Backup         Patron         Detail           GehnerBackup2         Backup         Job Type:         Backup
3     Obix XetifierverBisclup1     Backup     Job Yatifier     Clinix XetifierverBisclup1     Backup       4     Wilvere vSphereBisclup2     Backup     Job Type:     Backup     Backup       5     Chrix XetifierverBisclup2     Backup     Node     Iocalitost locationain(192,168,101.42)     Iocalitost       6     Chrix XetifierverBisclup2     Backup     Node     Iocalitost locationain(192,168,101.42)     Iocalitost       7     Clerk XetifierverBisclup2     Backup     Repository:     Local Iokat     Iocalitost locationain(192,168,101.42)     Iocalitost       8     Wilvers vSphereBisclup1     Backup     Alert Type:     Iocal     Iocal       9     Wilvers vSphereBisclup1     Backup     Alert Type:     Iocal     Iocal       10     Wares vSphereBisclup1     Backup     Description:     Job Tailed [19122]could not connect to host or point     Iocal       10     Wares vSphereBisclup1     Backup     Description:     Job Tailed [19122]could not connect to host or point     Iocal       10     Wares vSphereBisclup1     Backup     Piocessed by:     admin	ServerBackup1         Backup         Disk XeinServerBackup1         Disk XeinServer         Disk XeinServer           SpihneElsckup2         Backup         Disk YeinSeinVerD         Backup         Disk XeinServer         Disk XeinServer           SierverBackup2         Backup         Job Type1         Backup         Disk YeinSeinVerD         Disk XeinServer           SierverBackup2         Backup         Node         localhost locadomain(192:168:101.42)         Disk YeinSeinVerD         Disk YeinSeinVerD           NerwerBackup2         Backup         Repository:         Local Disk1         Disk YeinSeinVerD         Disk YeinSeinVerD
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6         Citrix XenServerBackup2         Backup         Node         Iocalhost localdomain(192.168.101.42)         Iocalhost localdomain(192.168.101.42)           6         Citrix XenServerBackup2         Backup         Repository:         Local Disk1         Iocalhost localdomain(192.168.101.42)           7         Citrix XenServerBackup1         Backup         Alert Type:         Iocalhost localdomain(192.168.101.42)         Iocalhost localdomain(192.168.101.42)           8         VMiniter VSphereBackup1         Backup         Alert Type:         Iocalhost localdomain(192.168.101.42)         Iocalhost localdomain(192.168.101.42)           9         VMiniter VSphereBackup1         Backup         Description:         Job Tailed [#3127]could not connect to host or         Iocalhost localdomain(192.168.101.42)           9         VMiniter VSphereBackup1         Backup         Description:         Job Tailed [#3127]could not connect to host or         Iocalhost localhost localhos	ServerBackup2         Backup         Dockap         Dockap           ServerBackup2         Backup         Node:         localhost.localdomain(192.168.101.42)         Dockap           ServerBackup2         Backup         Repository :         Local Disk1         Dockap
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6         VMovine vSphereBickup1         Backup         Alert Time:         207.12.26 14.36.31         Image: Control of the control	APRIL IVIT 1707
9     VMware vSphereBackup1     Backup     Description:     Job failed [#3122]could not connect to host or poor       19     VMware vSphereBackup1     Backup     Market:     Peocessed       Market:     Peocessed by:       admini	SphereBackup1 Backup 2012.12.26 14:35 31 Details
10 VMware VSphereBackup1 Eackup POOT     Mark : Processed p: admin Processed p: admin	SpheryBackup1 Backup Description Job failed #3122bouid not connect to host or Databa
Mark: Processed by admini	SphereBackup 1 Backup Door Dutains
Processed by : admin	Mark: Processed
Descended at a 2017 40.00 44.00.00	Processed by : admin
Processed at . 2017-12-20 14:30.02	Processed at : 2017-12-26 14/38/02
Email Notification: Linear	Email Notification: Email

If it is an error alert, you can check the error info from "Log Info" page as below, and you can download the log details.

vinchi	n « Home	G Backup/Restore -	🗟 Resources -	Q. Log/Alert ~			<u>19.</u> admin ~
o Alert List							
R Delete	A Mark as Processed						
			Q Alert Deta	lls	×		
	of 2) View 10 * rec	ords per page   Total 20 records			A8 •		
No.	Job Name	Job Type	Ø Basic Info	C Log Info		Mark	Alert Details
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	Citrix XenServerBackup2	Backup	2017/12/26 1	36:31 [ERROR: 3122#Xenserver transport error]: connect to			
6	Citrix XenServerBackup2	Backup	pool master h	ost or standalone host error, ip: 192.168.79.20.			
	Citrix XenServerBackup2	Backup	AUGUNUNAU				
8	VMware vSphereBackup1	Backup	2017/12/26 1 backup task +	4:36:31 [ERROR: 3122#Xenserver transport error]: prepare error. xenserver/xenserver_task.cpp: 399, DoBackup			
9	VMware vSphereBackup1	Backup					
	VMware vSphereBackup1	Backup					
				Download Logs Mark as Pending Close			
			_	Pro-			
Copyright @ 2017.1							

### **System Alert**

Click "Log/Alert"-"System Alert", you are coming to the system alert page. In this page you are able to view system running alert including "Notice" "Warning" "Error", you can also delete them as below:

vir	nchin	4	Home 🤣 Backup/Restore	Resources ~	♫ Log/Alert ∨ 🚺					<u>ቢ</u> admin ~
Syster	n Alert				🗐 Job Log					
to A	n Alert List				🕀 System Log					
8				🗘 Job Alert						
Page	< 1	> of 1   View 1	0 • records per page   Total 1 rec	ords	l System Alert	•			All	•
	No.	Alert Type	Alert Time	+ Description				Mark 0	Alert Details	
	1	Warning	2017-12-26 14:59:55	Backup node 'localho interrupted	st.localdomain[192.168.64.2	220]'exception,[#184]Service in backup node is n	estarted, stopped or	Pending	Details	

Note: Once deleted, the system alert is not recoverable.

New system alert is default marked as pending, if you have checked this alert and processed accordingly, you can mark it as processed by clicking "Mark as Processed". Click Details you can see the system alert details as below:

vinchin	4	Home O Backup/Restore	- 🗄 Reso	urces - 🔒 Log	Alert ~			$\underline{B}_{i}$ admin $\sim$
System Alert								
e Alert List								
😑 Delete 🖌 🛩 Mark I								
		<ul> <li>records per page i rotal i reco</li> </ul>						Al *
No. A	Alert Type	Alert Time	. Desc		×		Mark	Alert Details
			Back	Alert Details		a is restarted, stopped or		
			10970500	Alert ID :	1			
				Alert Type :	Warning			
				Alert Time :	2017-12-26 14:59:55			
				Description :	Backup node 'localhost localdomain[192.168.64.220]'exception, [#184]Service in backup node is restarted, stopped or interrupted			
				Mark :	Processed			
				Processed by :	admin			
				Processed at :	2017-12-26 15:00:57			
				Email Notification:	Unsent			
	ulle: 4.0.4245		l		Mark as Pending Close			

### Admin

Click "Admin" on the top right, you will see several basic settings as below:



### **My Information**

Click "My Information" you can edit email address, phone number and change language (currently support English, Chinese simple, Chinese Traditional).

vinchin	🖶 Home 😔 Backup/	Restore 🗸 🚆 Resources 🗸 🗘 Log/Alert 🗸
User Information		
My Information		
	Username	admin
	Email Address	123456@qq.com
	Phone Number	12345678900
	Language	English •
		Back Save

### **Change Password**

Here you can change system login password as below:

vinchin	🖀 Home 😔 Backup	p/Restore 🗸 🔐 Resources 🗸	₽ Log/Alert ~
Change Password			
Change Password			
	Original password *		
	New password *		
	Confirm new password *		
			Back Save

### Lock Screen

Here you can manually lock the system as below:



### **About Us**

Here is the link to Vinchin Official Website.

### Help

If you need any support during using Vinchin Backup & Recovery, you can contact us via "Help".

### Logout

Click "Logout" to manually log out Vinchin Backup& Recovery system as below:



# vinchin

# **Contact Information**

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