aCloud

Seed Backup Configuration Guidelines

Version 5.8.7R1

Change Log

Date	Change Description
May 2, 2019	Version 5.8.7R1 document release.

CONTENT

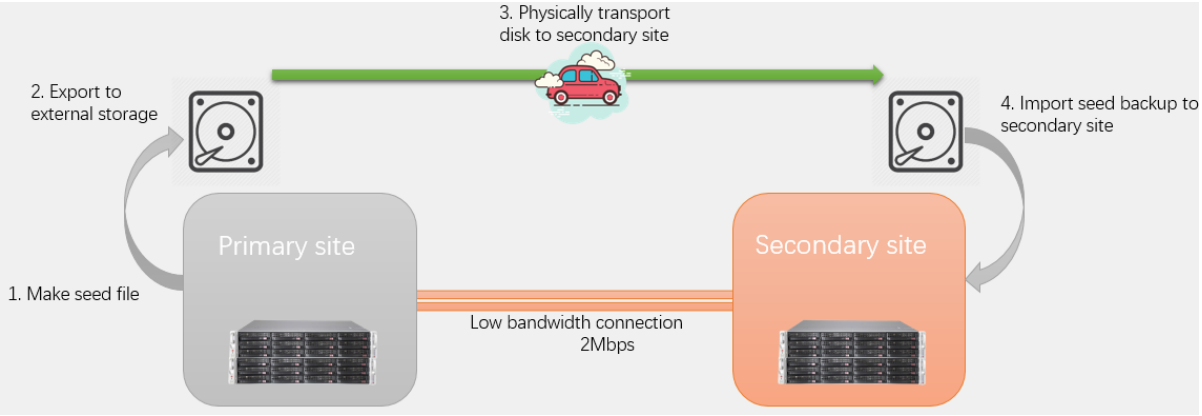
Chapter 1 Background

1.1 Definition

- Complementary feature for off-site DR scenario
- Replace network-based data transfer with storage medium transportation
- Offline replication
- Targeted customer
  - ✓ Off-site DR
  - ✓ Limited bandwidth connection between 2 sites
  - ✓ First-time backup is too large
  - ✓ Data transfer takes forever via network

1.2 Scenario:

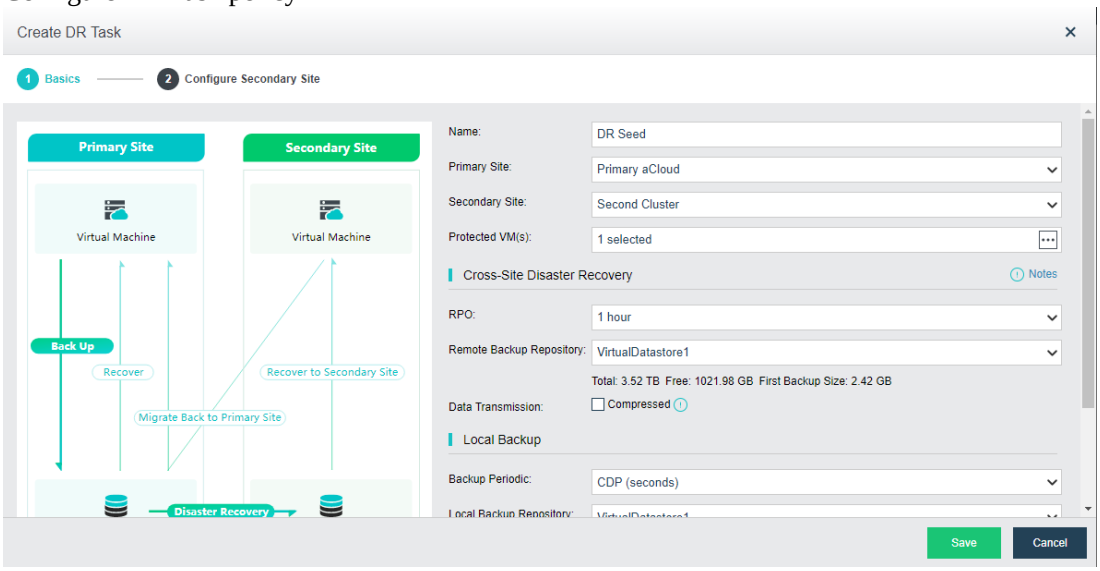
Customer have primary and secondary site with disaster recovery plan. However, bandwidth between 2 sites are very narrow (2Mbps, maximum speed 256KB/s). Assume customer first backup size is around 2TB, it require around 48.5 days to transfer the backup to the secondary sites. We can use seed backup function to solve this circumstances. Export VM backup to external storage medium and physically transport the disk to other site. After transport the first backup, smaller incremental backup can be transport via network connection.



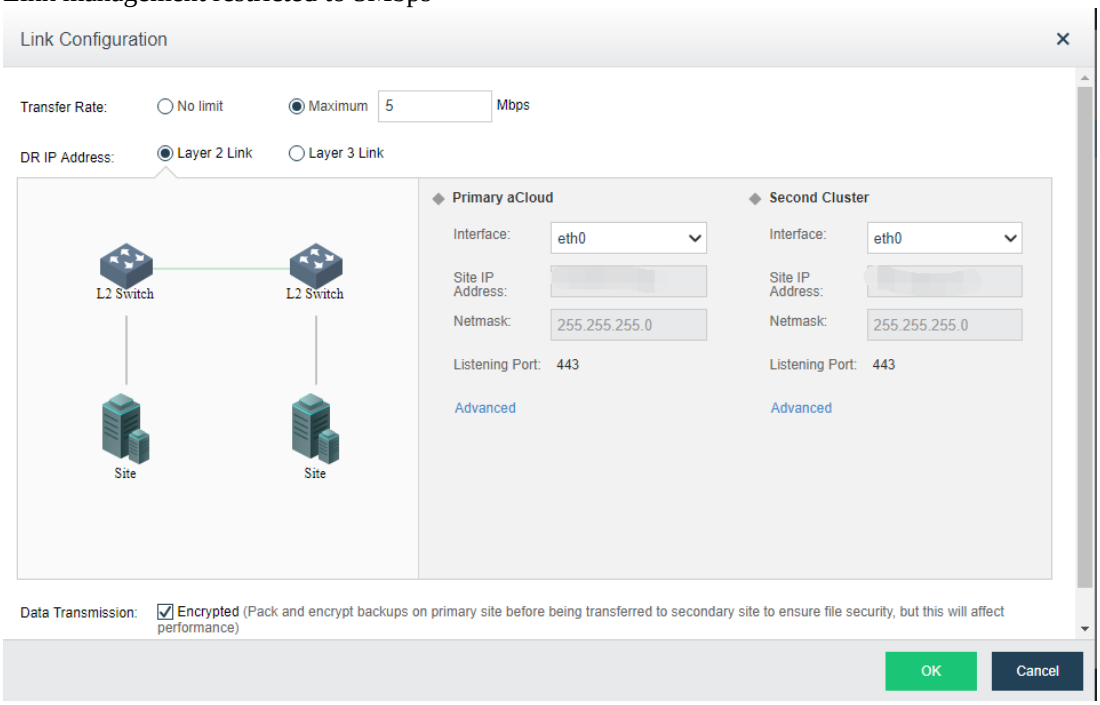
Chapter 2 Configuration

2.1 Export Seed Backup

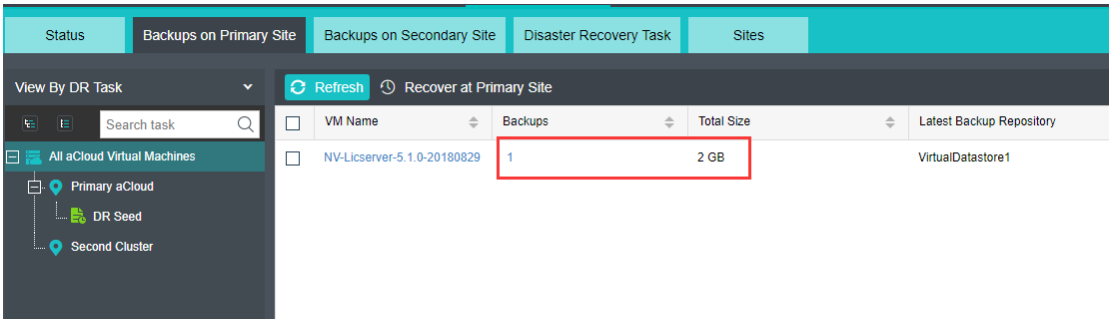
1. Configure DR Task policy



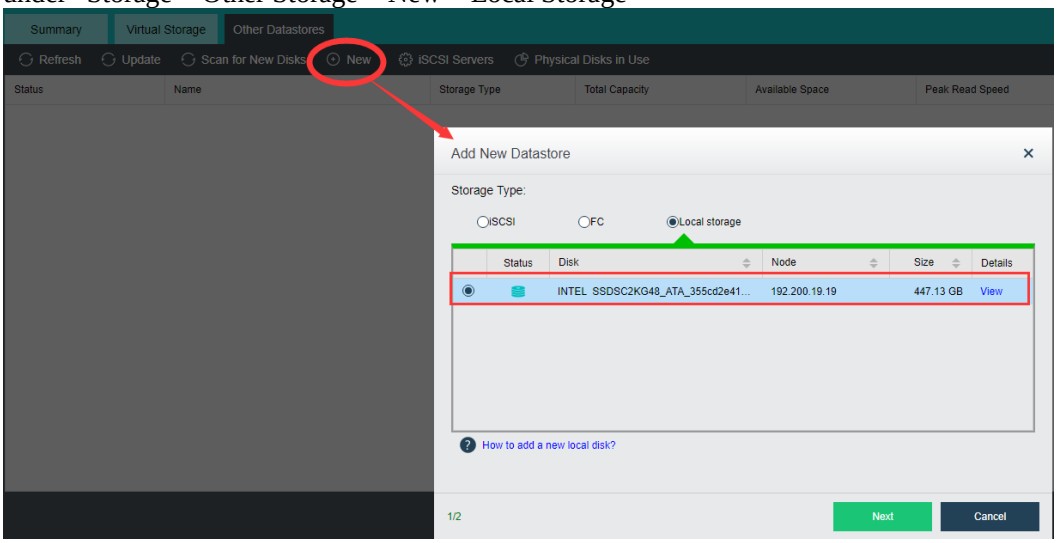
2. Link management restricted to 5Mbps



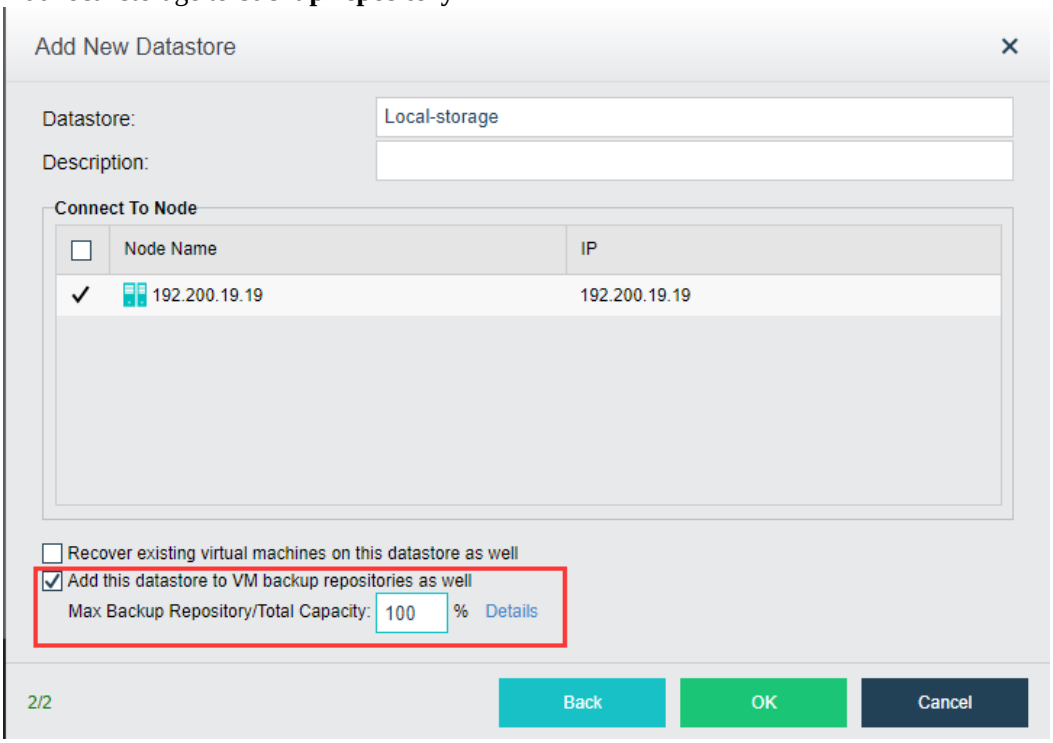
3. After executed DR task, make sure primary site backup have been created.



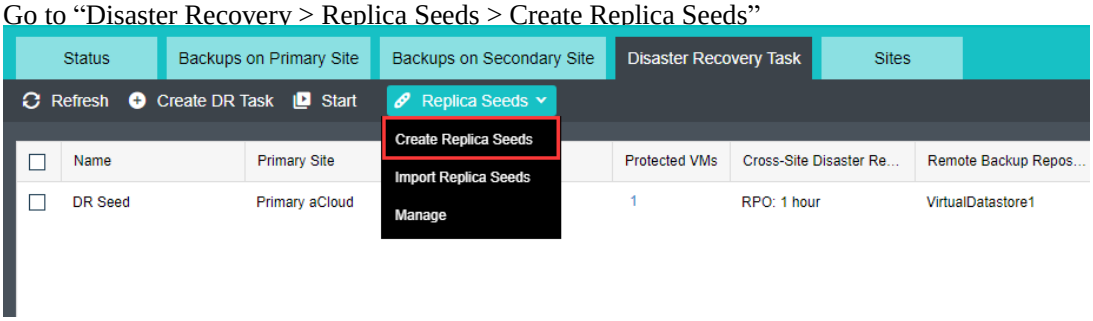
4. Plug-in USB HDD or server HDD to aCloud primary cluster (any server). Create local storage under "Storage > Other Storage > New > Local Storage"



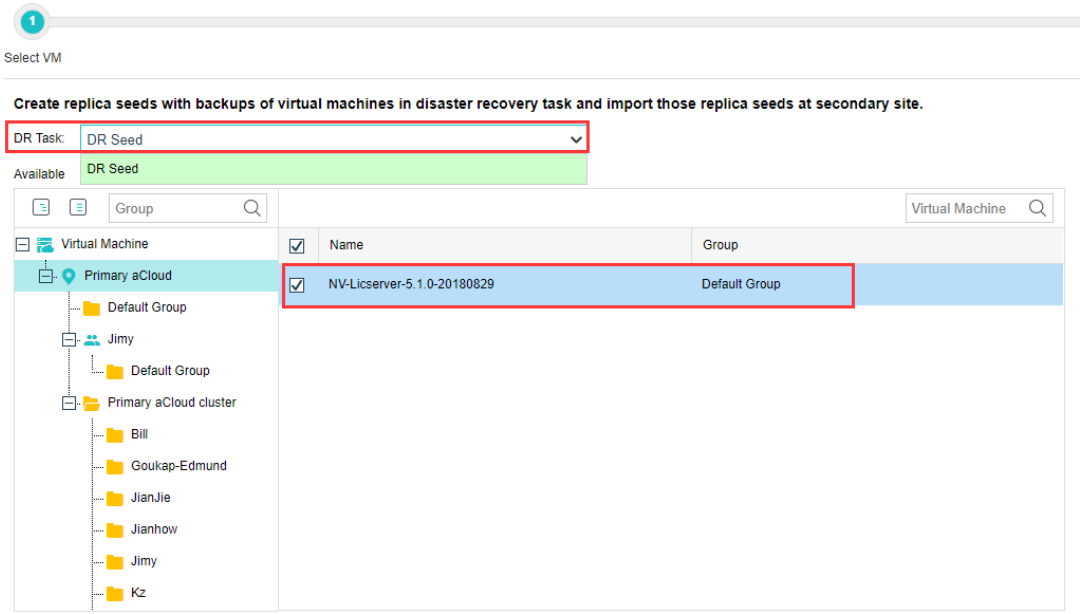
Add local storage to **backup repository**



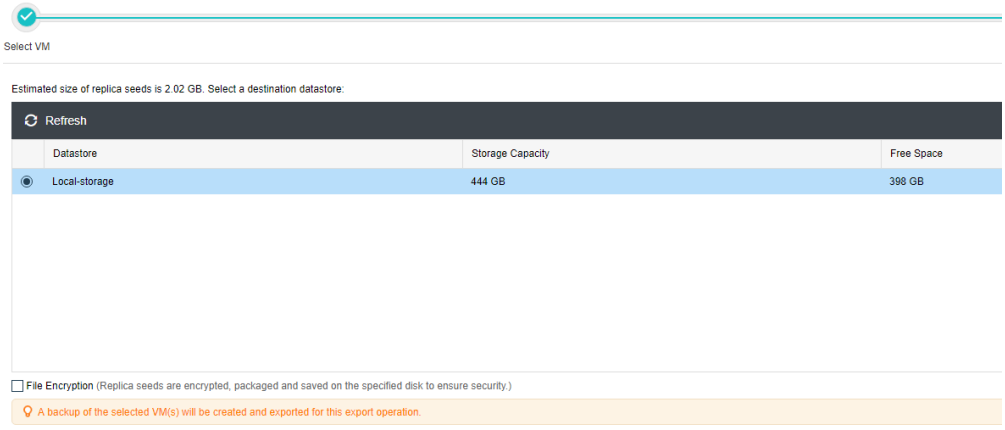
5. Go to “Disaster Recovery > Replica Seeds > Create Replica Seeds”



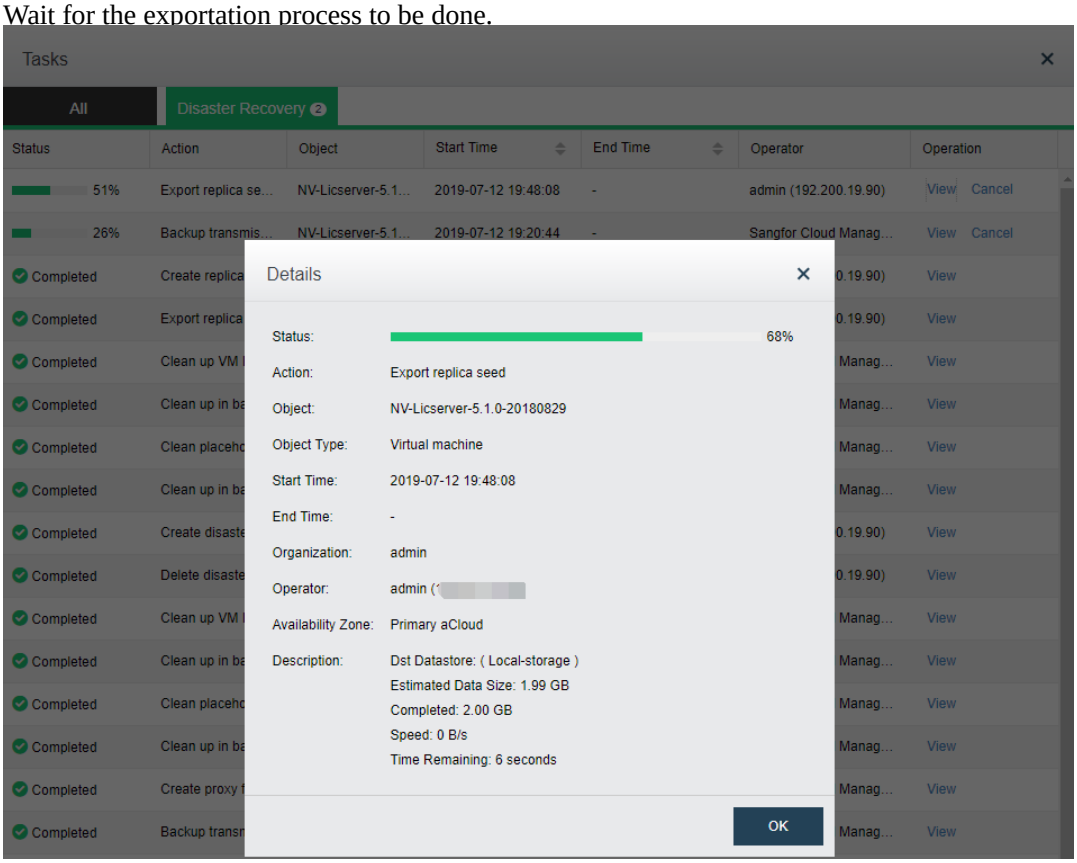
Select DR Task and VM that want to export as seeds backup.



6. Select local backup repository and click on start to proceed exportation.



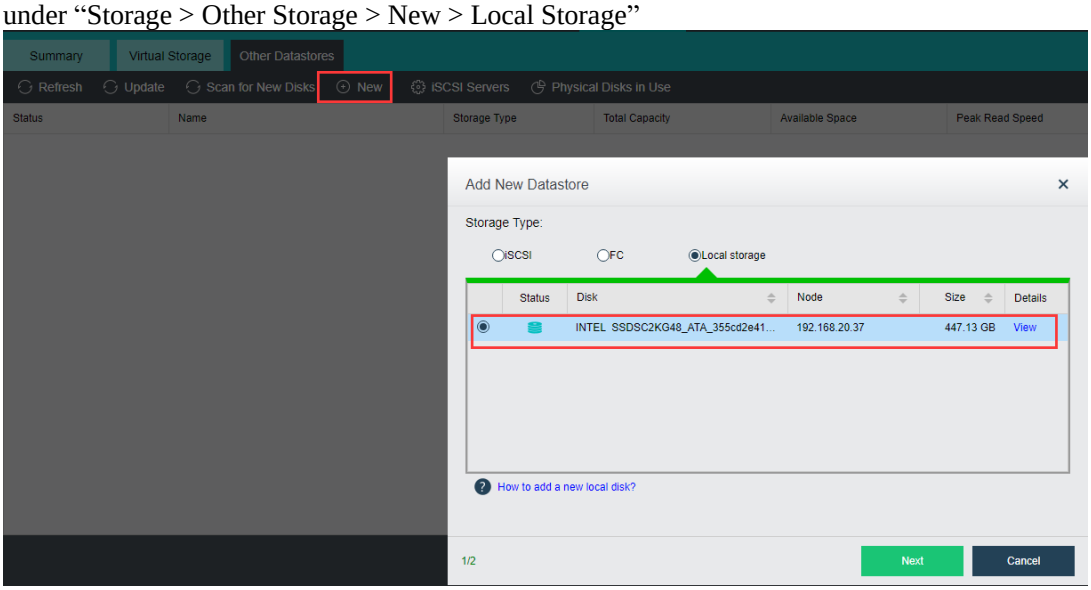
7. Wait for the exportation process to be done.



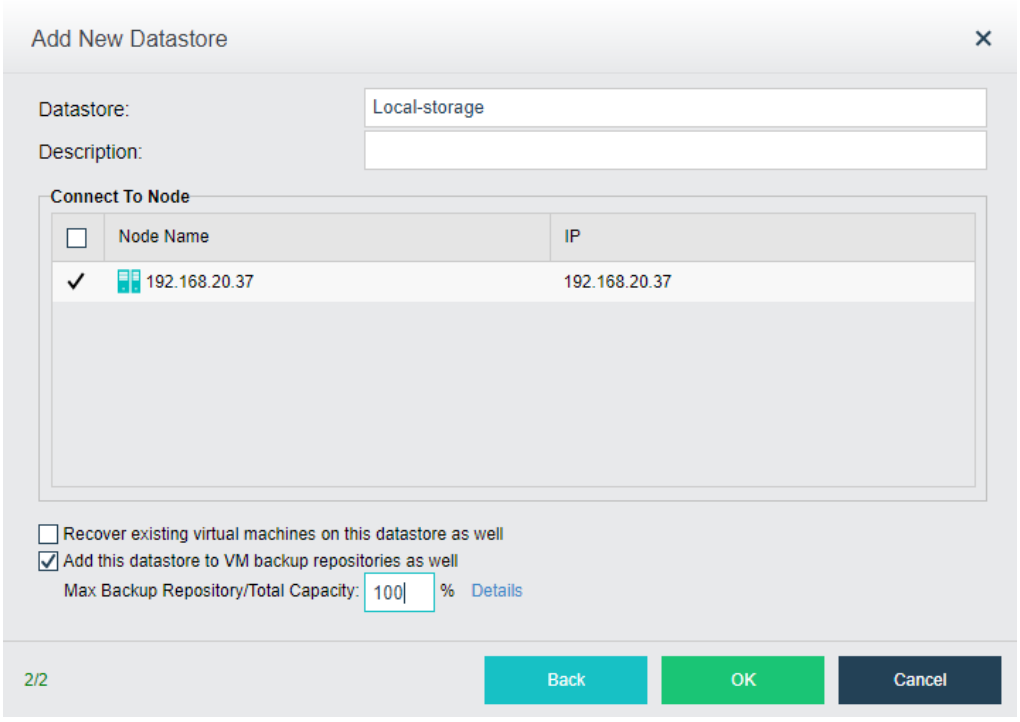
8. After export finish, unplug the local disk and move to another secondary sites.

2.2 Import Seed Backup

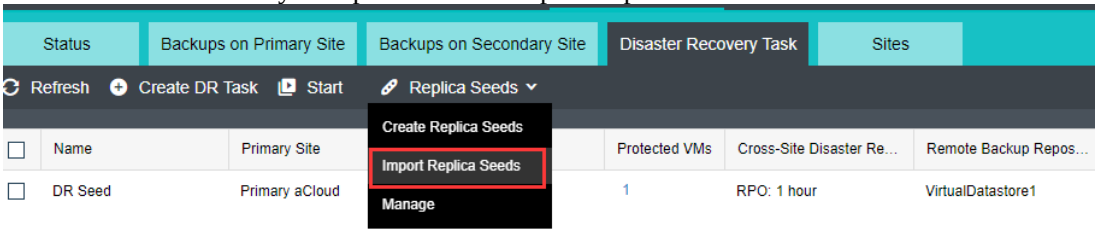
1. Plug-in USB HDD or server HDD to aCloud secondary cluster (any server). Create local storage under “Storage > Other Storage > New > Local Storage”



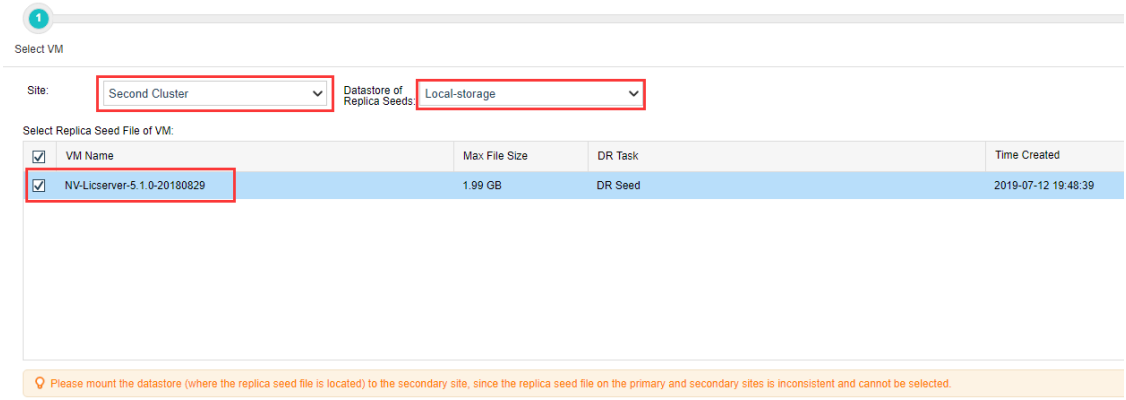
2. Add local storage to backup repository as well.



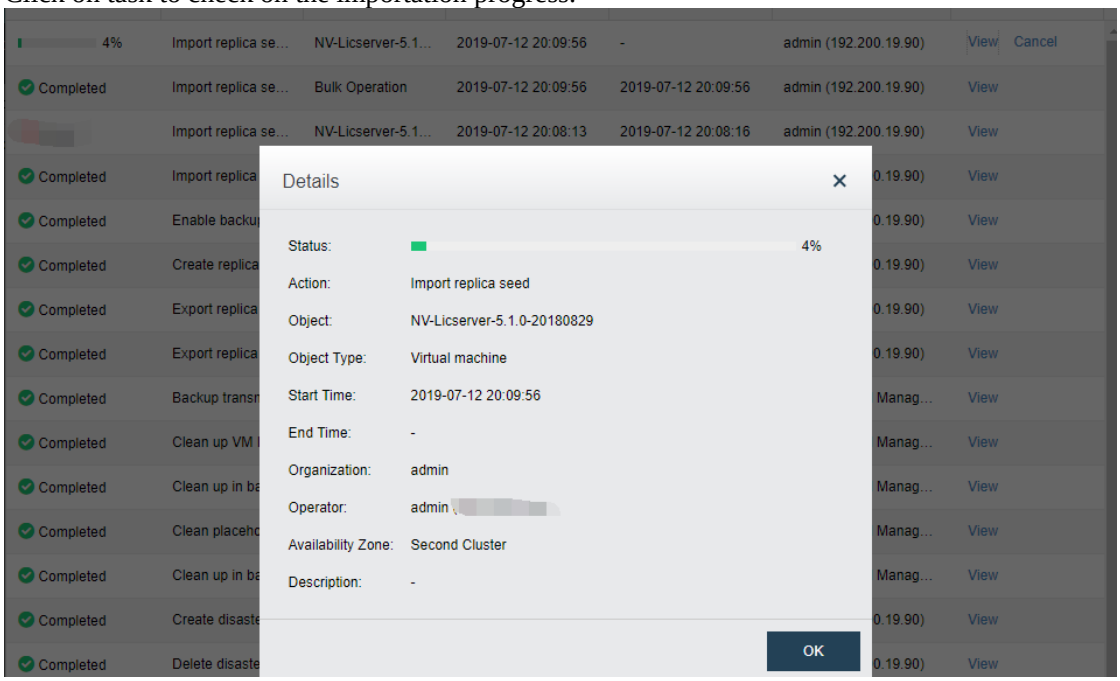
3. Go to “Disaster Recovery > Replica Seeds > Import Replica Seeds”



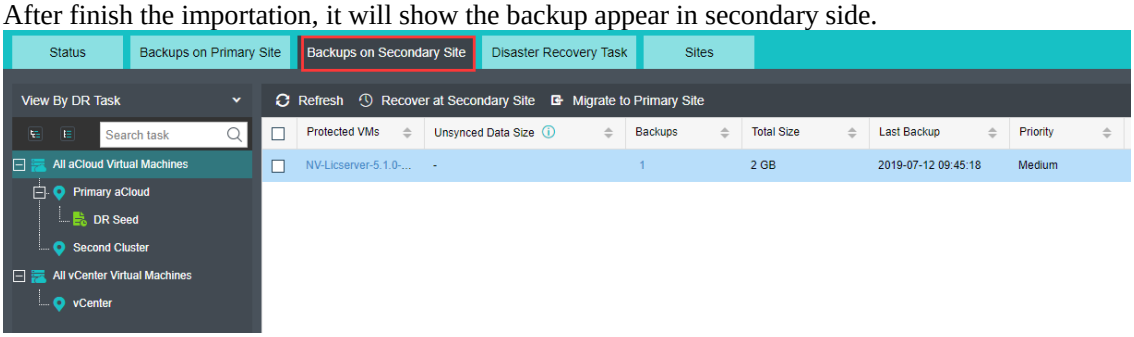
4. Select secondary site cluster and local storage, and choose exported VM name. Click Next to start the importation.



5. Click on task to check on the importation progress.



6. After finish the importation, it will show the backup appear in secondary side.



Chapter 3 Precaution

1. While exporting seed backup file, system will automatically perform full backup on the virtual machine, to ensure backup data is the latest.
2. While importing seed backup file, system will automatically cancel recent backup transmission task and perform VM importation to the task.
3. After seed backup exported, it should not to have another incremental backup on the primary site, else it will unable to import in secondary site due to backup link invalid.
4. In other words, if backup image successfully transferred to secondary site, it will unable to recover as well since backup existed.