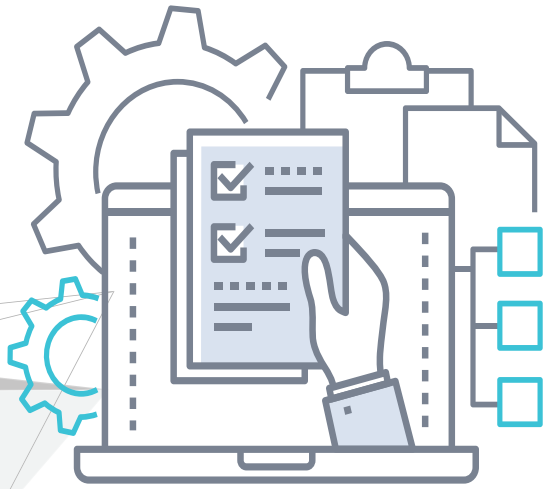
UNITRENDS

Rapid Seed for Backup Copy Target Appliances

Release 10.6 | Document Version 1.02082022



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Contents

Chapter 1: Getting Started 5
Requirements and Considerations 5
Chapter 2: Rapid Seeding 7
Step 1: Suspend backup copy operations 7
Step 2: Export the seed 9
Exporting with direct-attached storage 9
Exporting with NAS 13
Step 3: Import the seed 17
Importing with direct-attached storage 17
Importing with NAS 19
Step 4: Resume backup copy operations 21

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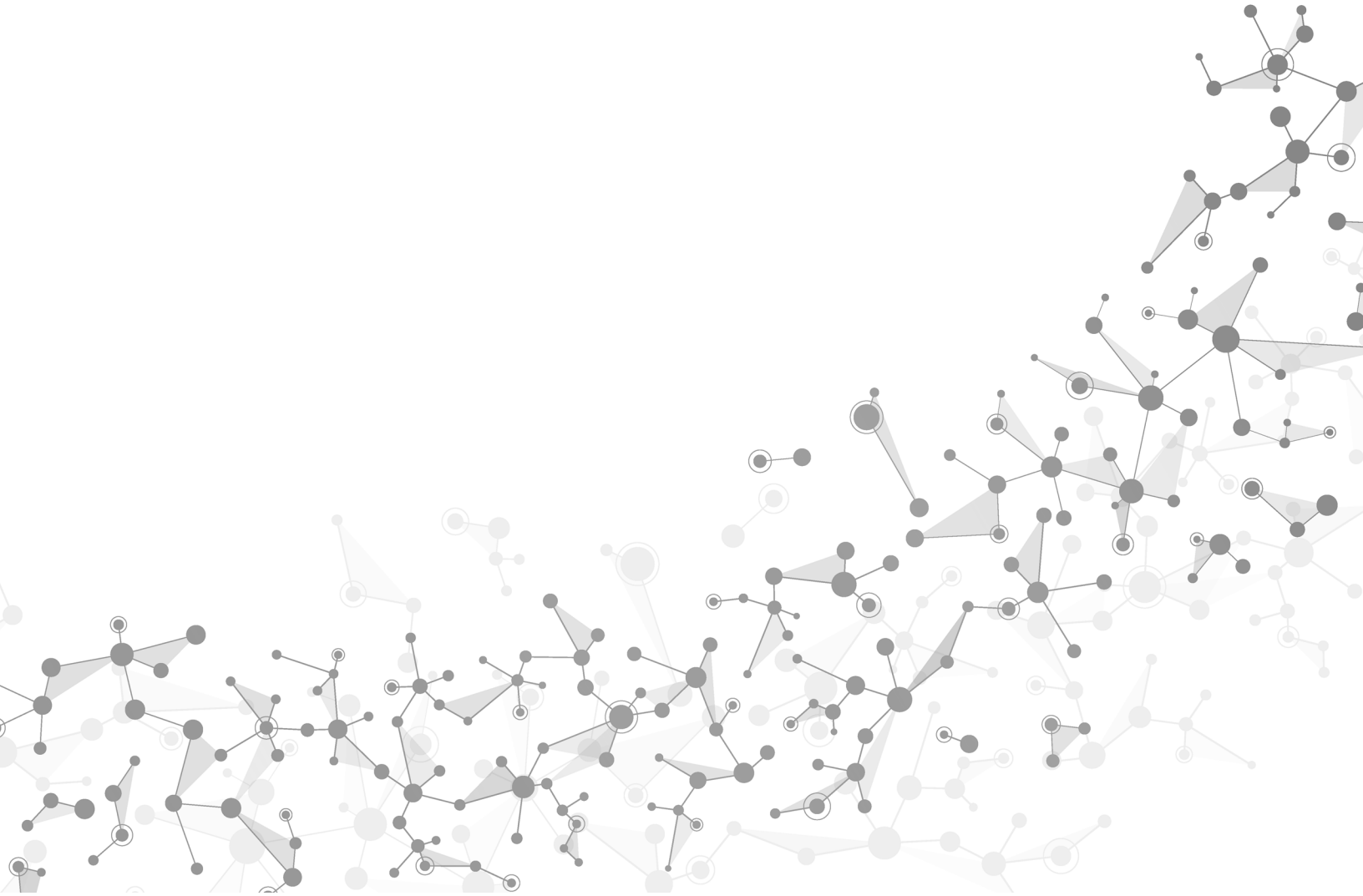


Chapter 1: Getting Started

The Unitrends Rapid Seed process enables you to ship backup data directly to your off-site backup copy target appliance via a direct-attached drive or NAS device. This method is an efficient alternative to copying large volumes of backup data over WAN. Rapid Seed is available for Unitrends MAX and Recovery Series physical appliances and for Unitrends Backup virtual appliances hosted on VMware, Hyper-V, Nutanix AHV, or Citrix XenServer.

Terms used in this guide are defined in the following table:

Term	Definition
Client	Also known as a protected asset.
Export	The process of copying backup data from the source appliance to the seeding media.
Import	The process of copying backup data from the seeding media to the target appliance.
Source	A Unitrends appliance that sends backup copies to another appliance.
Target	A Unitrends appliance that receives and stores backup copies from other appliances.

Requirements and Considerations

Review the following requirements and considerations before proceeding:

- Source and target appliances must both be configured in their respective roles. For further information on source and target configuration for backup copy operations, see Backup copy targets in the Administrator Guide for Recovery Series and Unitrends Backup.
- Source and target appliances must both be Unitrends version 9.1 or later.
- Source and target appliances must both be CentOS 6 or later.

  Note: You can verify this information by selecting **? > About** in the appliance web UI.

- You must have access to both source and target appliances via SSH.

  Note: A terminal emulator such as PuTTY can be used to establish an SSH connection from a Windows system.

- All protected assets intended for seeding must be included in backup copy schedules. For further information on creating backup copy schedules, see Creating backup copy jobs in the Administrator Guide for Recovery Series and Unitrends Backup.
- If you are using a NAS device as a seeding medium, */mnt/Data* must be exported via NFS.
- If you prefer to use direct-attached storage as a seeding medium, Unitrends recommends the following devices:

Type	Make	Model
Drive Dock	Orico	6619US3-BK
Drive	Seagate	ST2000DM006
Drive	Seagate	ST3000DM008
Drive	Seagate	ST6000AS0002
Drive	Western Digital	WD1005FBYZ
Drive	Western Digital	WD4004FZWX

Chapter 2: Rapid Seeding

The Rapid Seed process consists of suspending backup copy operations, exporting the seed, importing the seed, and resuming backup copy operations.

The following steps summarize the procedures used to seed your data. Detailed instructions for each procedure follow:

Step 1: "Suspend backup copy operations" on page 7

Step 2: "Export the seed" on page 9

Step 3: "Import the seed" on page 17

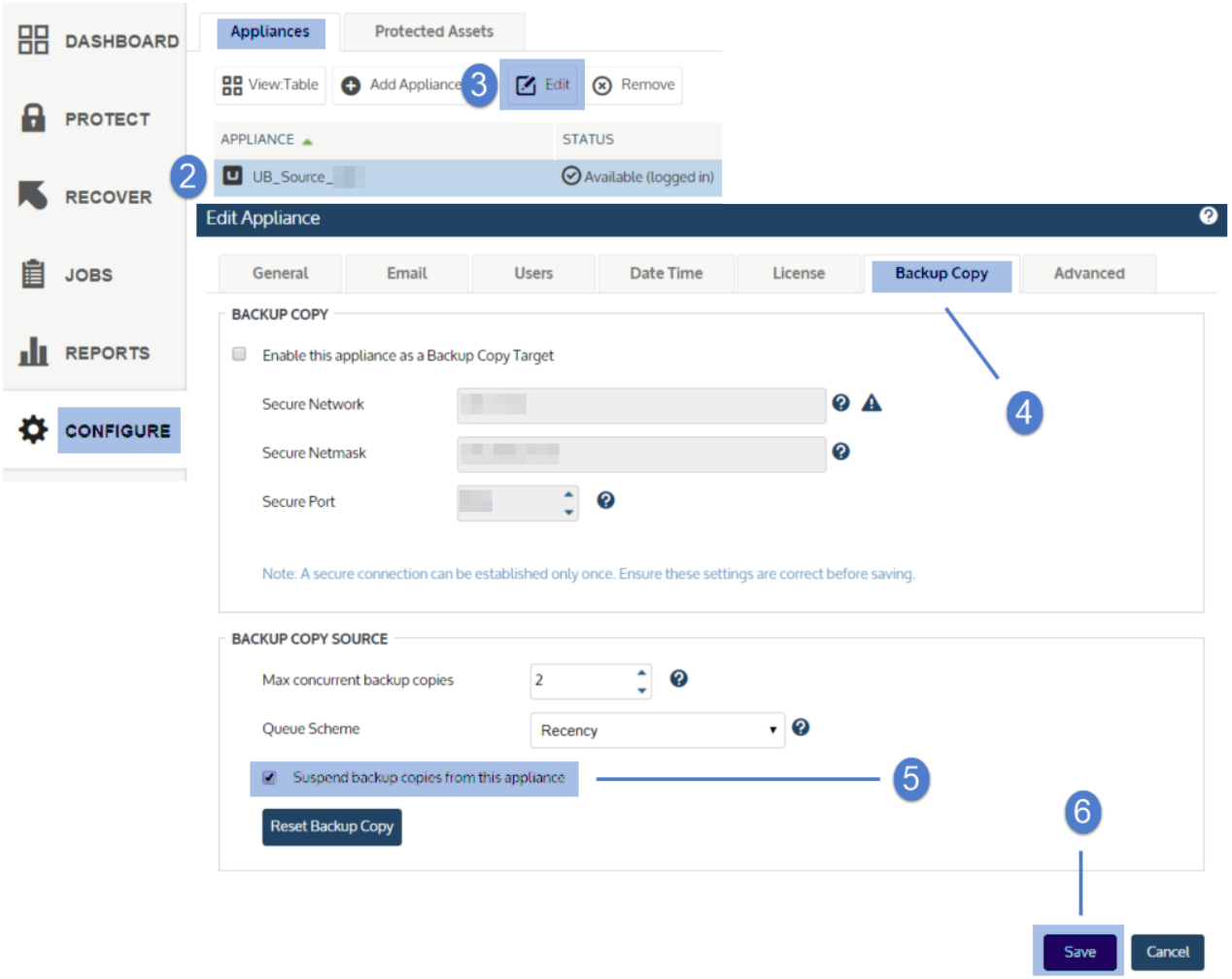
Step 4: "Resume backup copy operations" on page 21

Step 1: Suspend backup copy operations

You must suspend all backup copy operations on the source appliance before attempting to export your data.

To suspend hot backup copies from the source appliance

1. Log in to your Unitrends source appliance via the web UI.
2. Select **Configure**, click the **Appliances** tab, and select the source appliance.
3. Click **Edit**.
4. Click **Backup Copy**.
5. Note the current backup copy source settings and select **Suspend backup copies from this appliance**.
6. Click **Save**.


DASHBOARD
PROTECT
RECOVER
JOBS
REPORTS
CONFIGURE
Appliances
Protected Assets
View:Table
Add Appliance
3
Edit
Remove
APPLIANCE
STATUS
2
UB_Source_
Available (logged in)
Edit Appliance
General
Email
Users
Date Time
License
Backup Copy
Advanced
BACKUP COPY
Enable this appliance as a Backup Copy Target
Secure Network
Secure Netmask
Secure Port
4
Note: A secure connection can be established only once. Ensure these settings are correct before saving.
BACKUP COPY SOURCE
Max concurrent backup copies
2
Queue Scheme
Recency
Suspend backup copies from this appliance
5
Reset Backup Copy
6
Save
Cancel

To disable all cold backup copy jobs on the source appliance

1. Log in to your Unitrends source appliance via the web UI.
2. Select **Jobs**, click the **Jobs Manager** tab, and select all backup copy jobs.
3. Click **Disable**.
4. After ensuring all cold backup copy jobs are disabled, select **Jobs > Active Jobs** and cancel any active jobs.

Step 2: Export the seed

To export your data, perform one of the following procedures on your source appliance:

- "Exporting with direct-attached storage"
- "Exporting with NAS" on page 13

Note: The seed script re-formats the seed device and writes new data in the event of subsequent seed export attempts.

Exporting with direct-attached storage

To export your data with direct-attached storage

1. Connect the drive to your source appliance.

   Note: If you are exporting from a Unitrends Backup virtual appliance, connect the drive to the virtual machine in a pass-through configuration.

2. Log in to your source appliance as root via SSH.

   Note: If you are running your terminal in a window, ensure that it is maximized.

3. Run the following command:

   ```
   # screen
   ```

   Note: In the event of an SSH disconnection, you can return to the point at which your connection was lost by running the following command:

   ```
   # screen -r
   ```

4. Run the following command:

   ```
   # seed
   ```

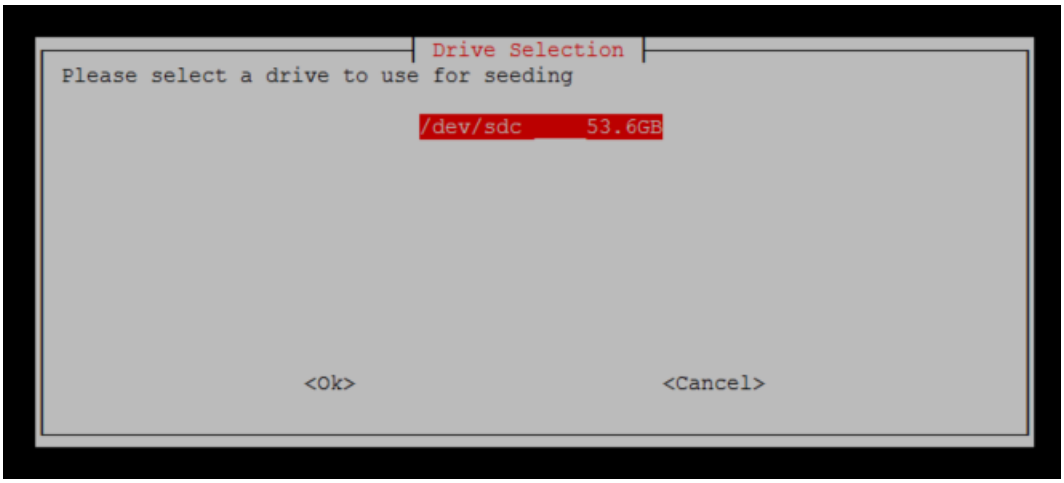
5. Complete the Unitrends Rapid Seed Device Setup Wizard:

Note: Use the arrow keys to navigate the wizard.

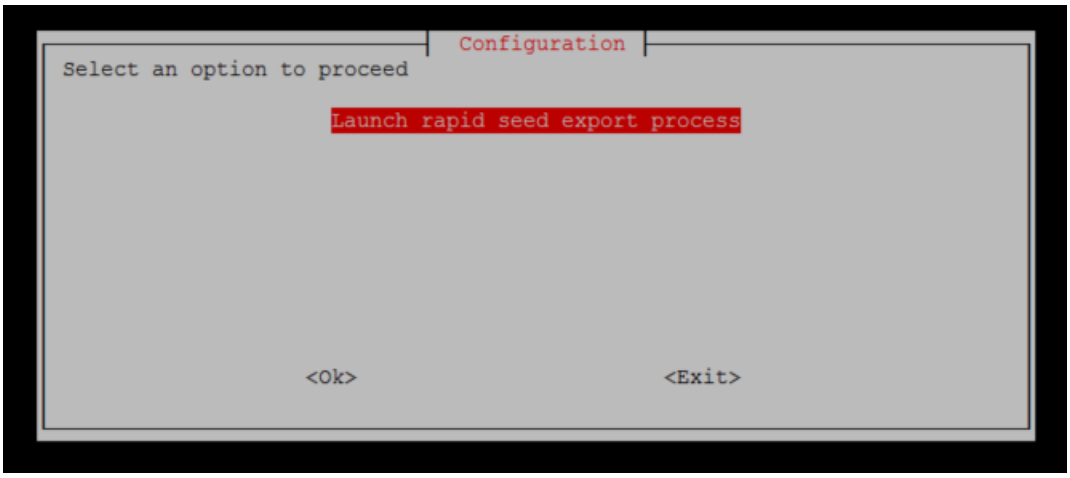
- Select **Ok** to proceed.

- Select **Single drive seed export**.

- Select your drive. Select **Ok** to proceed.

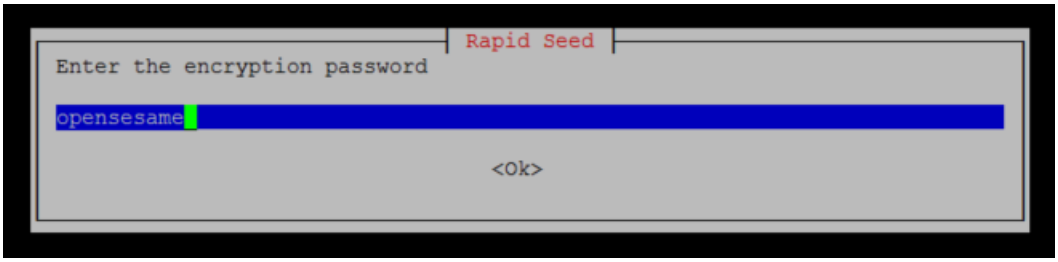


- Select **Ok** to launch the rapid seed export process.

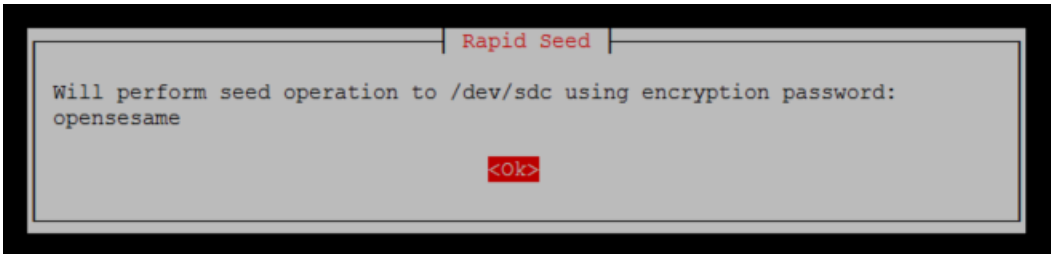


- Enter a new encryption password. Select **Ok** to proceed.

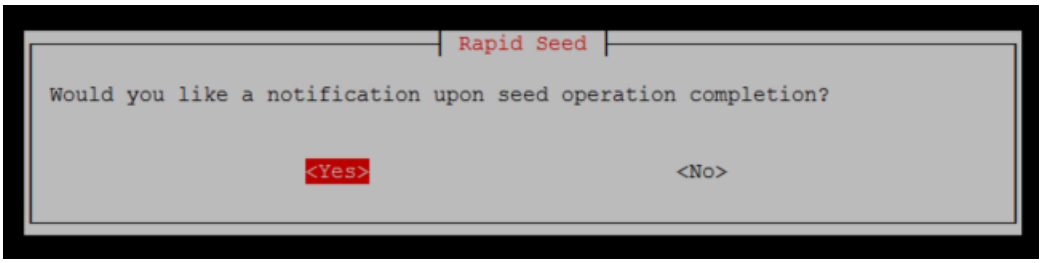
> **Note:** Do not lose this password, you will need it to complete the seeding process.



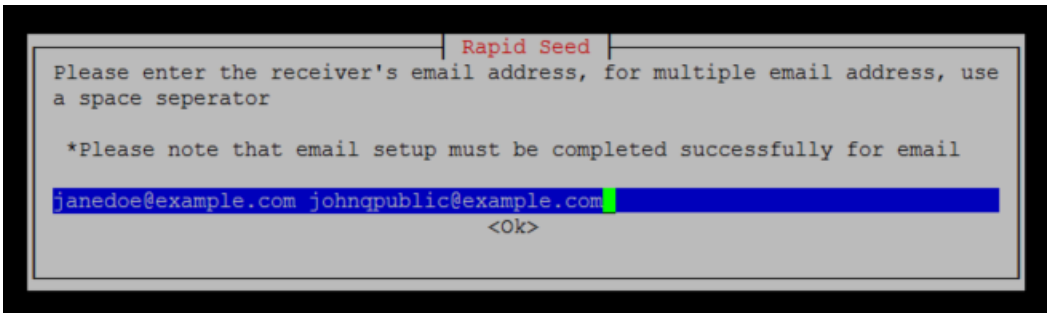
- Select **Ok** to proceed.



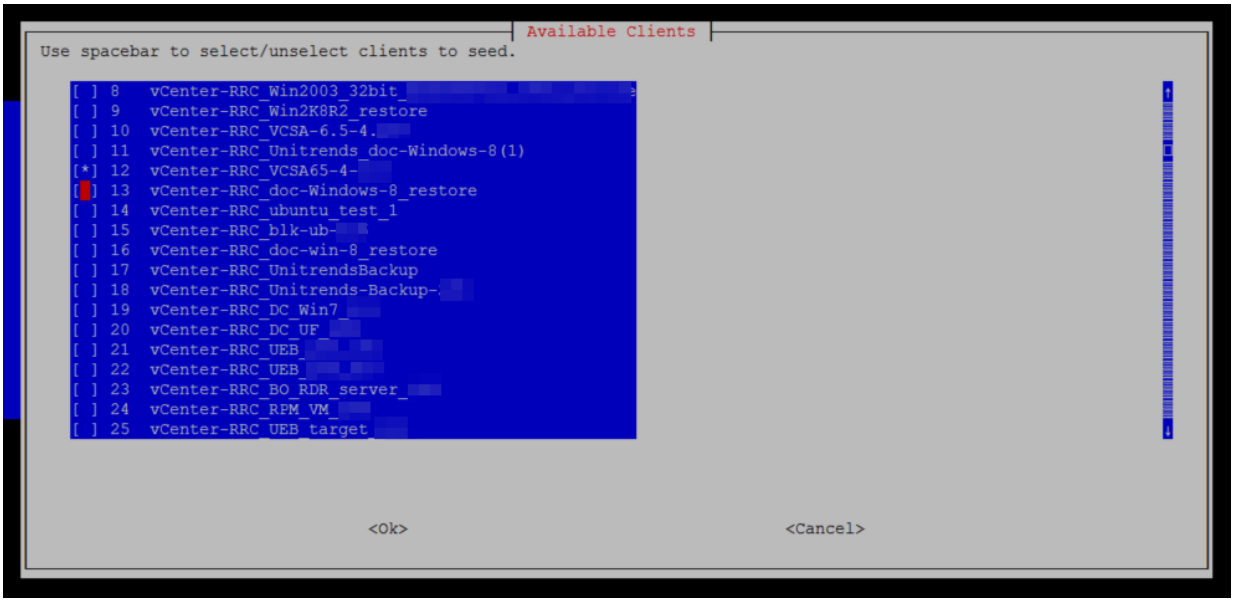
- If you would like to receive an email notification following successful export, select **Yes**.



- Enter one or more email addresses. Select **Ok** to proceed.

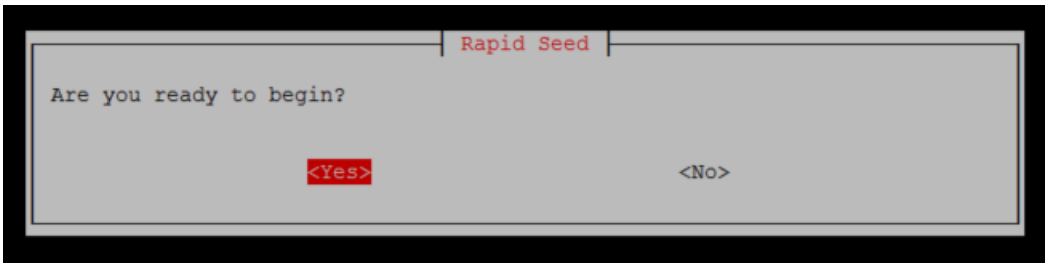


- Use the space bar to select the clients you wish to export. Select **Ok** to proceed.



- If these are the clients you wish to export, select **Yes** to proceed.

- Select **Yes** to begin the export.



6 Once the export is complete, disconnect the drive.

Exporting with NAS

To export your data with a NAS device

> **Note:** NAS seeding is not supported for ION and ION+ appliances. Use the "Exporting with direct-attached storage" procedure instead.

1 Connect the NAS device to the environment containing your source appliance.

2 Log in to your source appliance as root via SSH.

> **Note:** If you are running your terminal in a window, ensure that it is maximized.

3 Run the following command:

```
# screen
```

Note: In the event of an SSH disconnection, you can return to the point at which your connection was lost by running the following command:

```
# screen -r
```

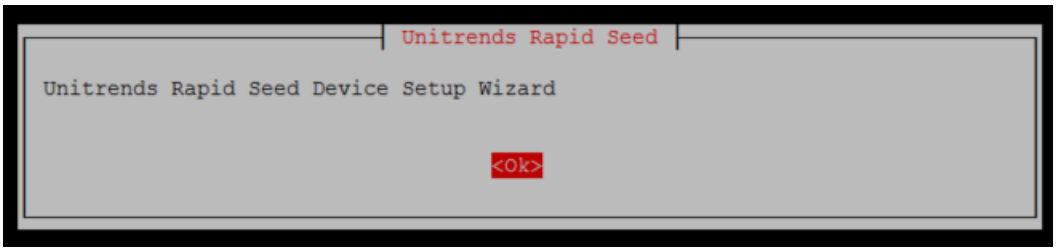
4 Run the following command:

```
# seed
```

5 Complete the Unitrends Rapid Seed Device Setup Wizard:

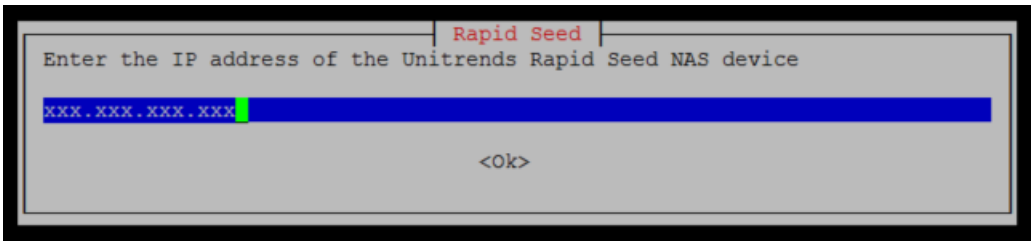
Note: Use the arrow keys to navigate the wizard.

- Select **Ok** to proceed.



- Select **NAS device seed export**.

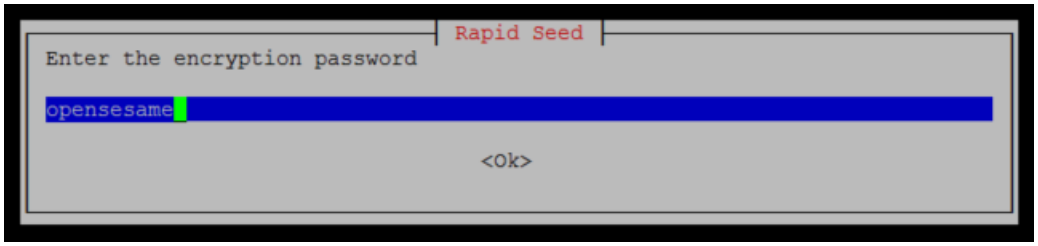
- Enter the IP address of your NAS device.



- Select **Ok** to launch the rapid seed export process.

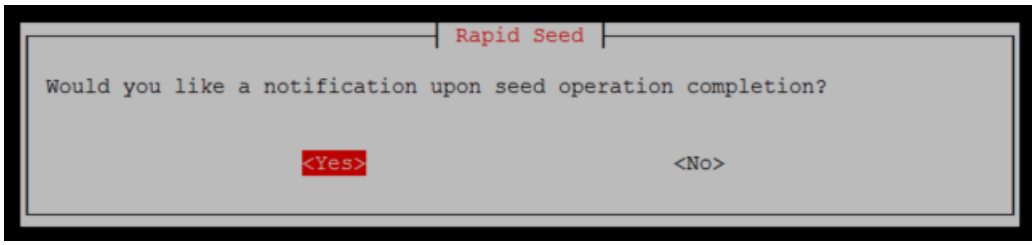
- Enter a new encryption password. Select **Ok** to proceed.

> **Note:** Do not lose this password, you will need it to complete the seeding process.

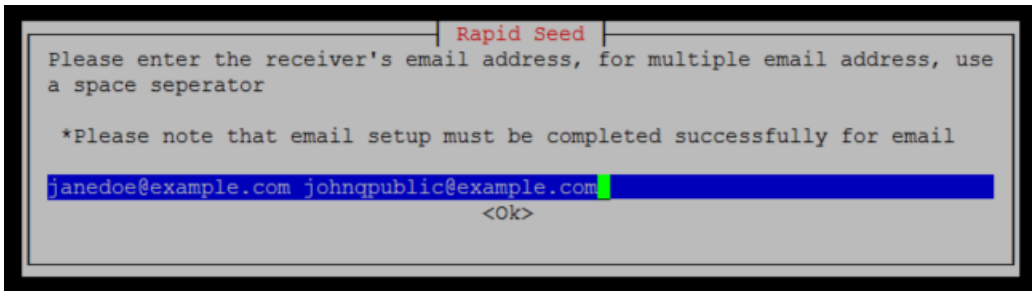


- Select **Ok** to proceed.

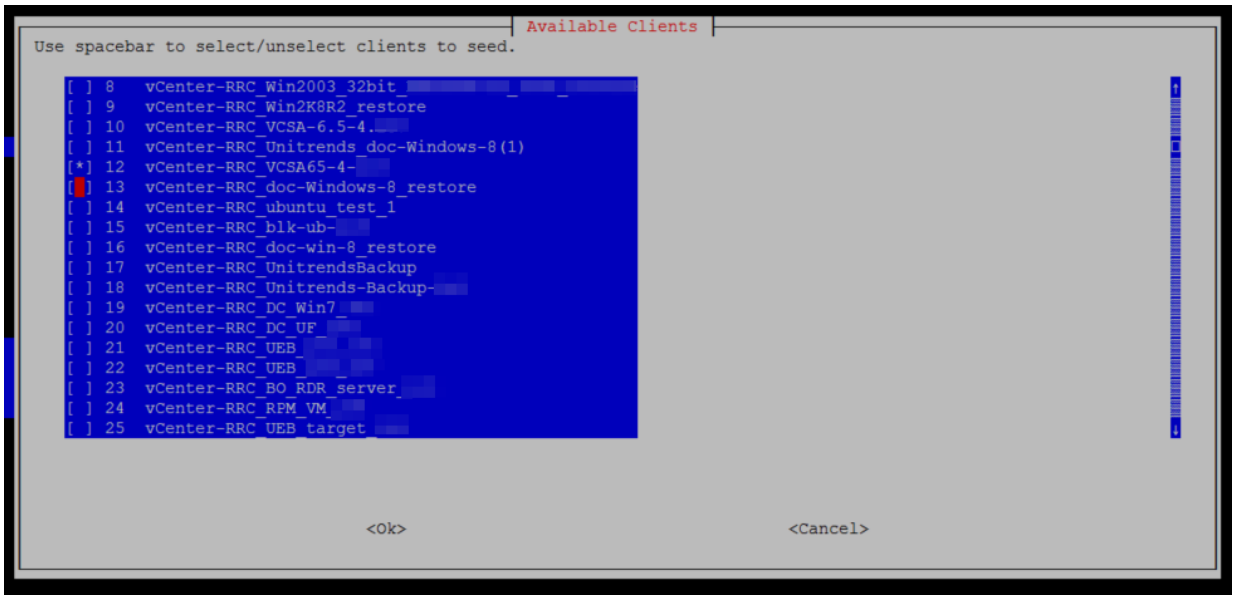
- If you would like to receive an email notification following successful export, select **Yes**.



- Enter one or more email addresses. Select **Ok** to proceed.

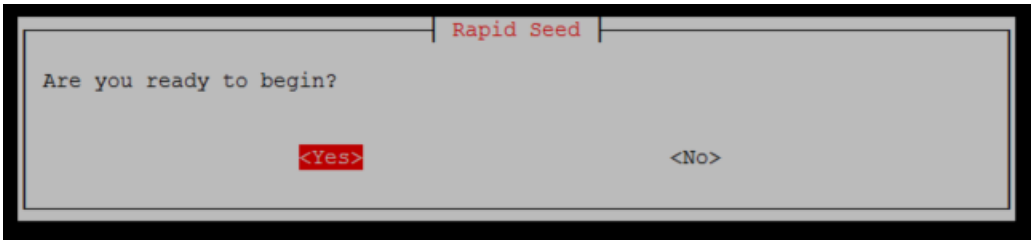


- Use the space bar to select the clients you wish to export. Select **Ok** to proceed.



- If these are the clients you wish to export, select **Yes** to proceed.

- Select **Yes** to begin the export.



6 Once the export is complete, disconnect the NAS device.

Step 3: Import the seed

To import your data, perform one of the following procedures on your target appliance:

- "Importing with direct-attached storage"
- "Importing with NAS" on page 19

Importing with direct-attached storage

To import your data with direct-attached storage

1 Connect the drive to your target appliance.

> **Note:** If you are importing to a Unitrends Backup virtual appliance, connect the drive to the virtual machine in a pass-through configuration.

2 Log in to your target appliance as root via SSH.

3 Run the following command:

```
# screen
```

> **Note:** In the event of an SSH disconnection, you can return to the point at which your connection was lost by running the following command:
>
> ```
> # screen -r
> ```

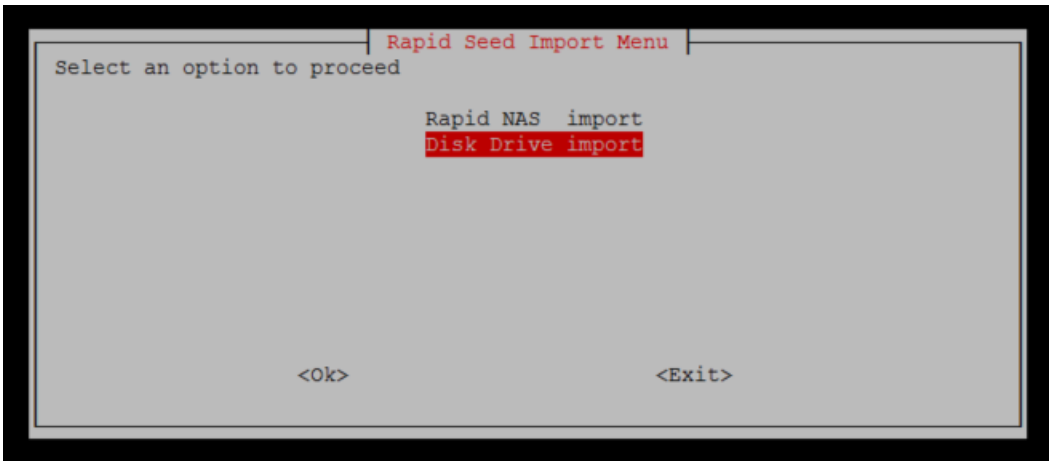
4 Run the following command:

```
# seed import
```

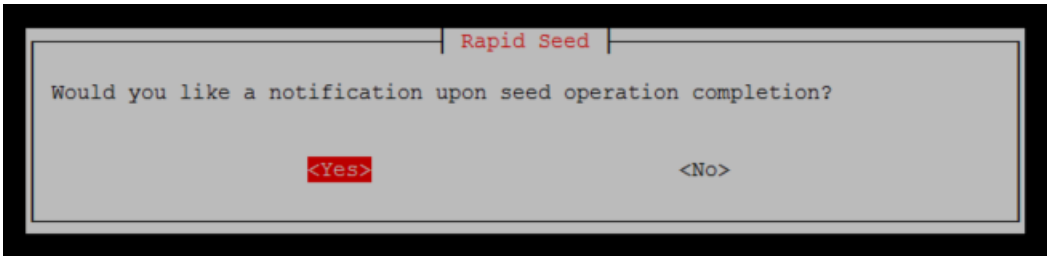
5 Complete the Rapid Seed Import Menu:

> **Note:** Use the arrow keys to navigate the menu.

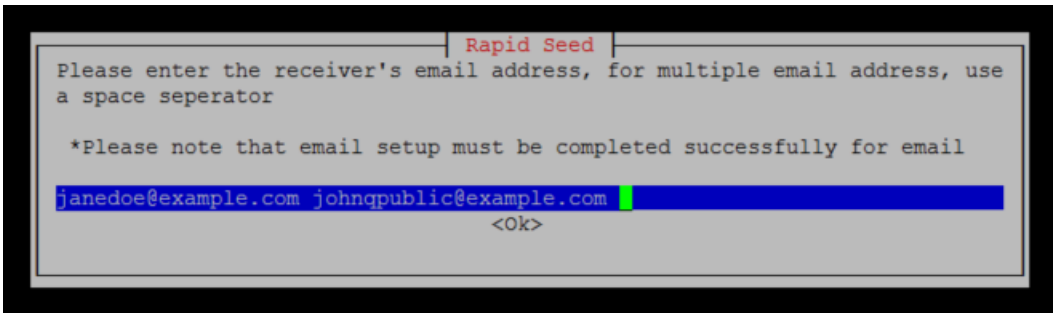
- Select **Disk drive import**.



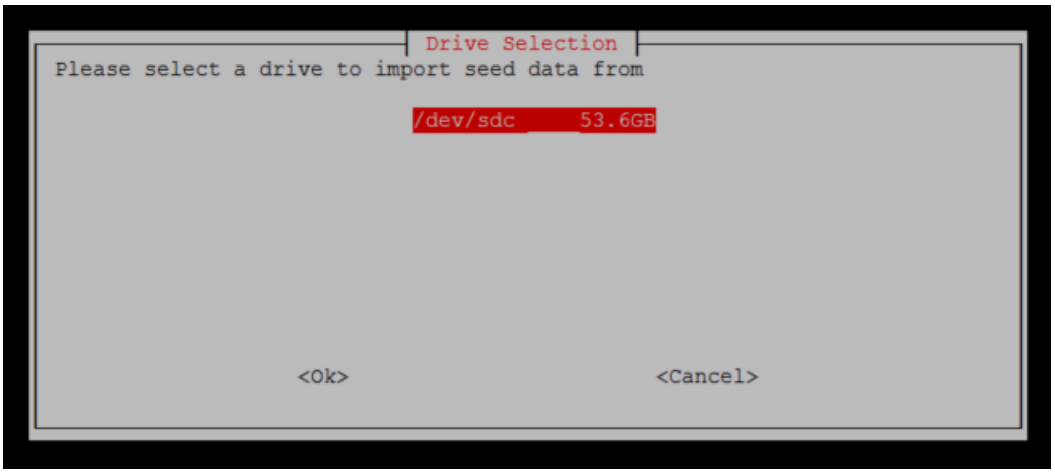
- If you would like to receive an email notification following successful import, select **Yes**.



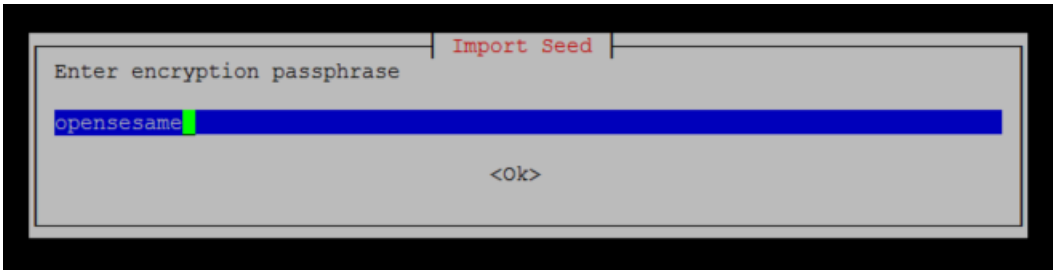
- Enter one or more email addresses. Select **Ok** to proceed.



- Select your drive. Select **Ok** to proceed.



- Enter your encryption passphrase. Select **Ok** to begin the import.



6 Once the import is complete, resume backup copy operations.

Importing with NAS

To import your data with a NAS device

1 Connect the NAS device to the environment containing your target appliance.

2 Log in to your target appliance as root via SSH.

3 Run the following command:

```
# screen
```

Note: In the event of an SSH disconnection, you can return to the point at which your connection was lost by running the following command:

```
# screen -r
```

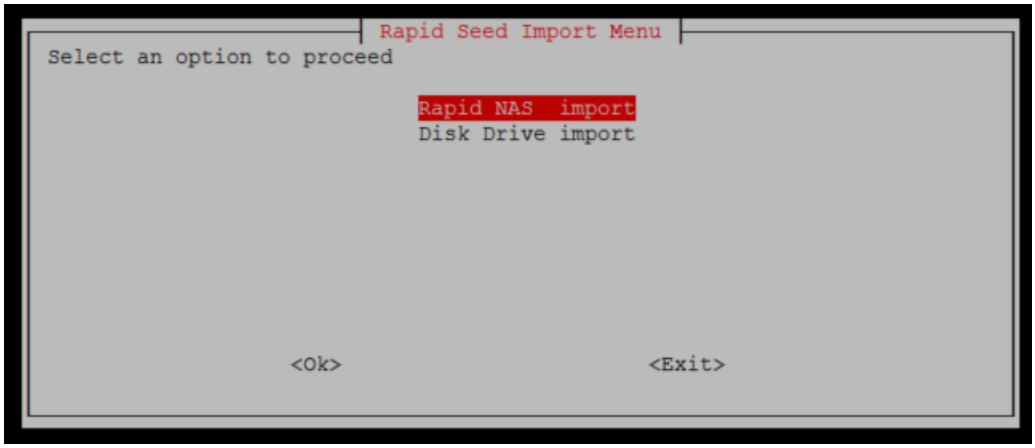
4 Run the following command:

```
# seed import
```

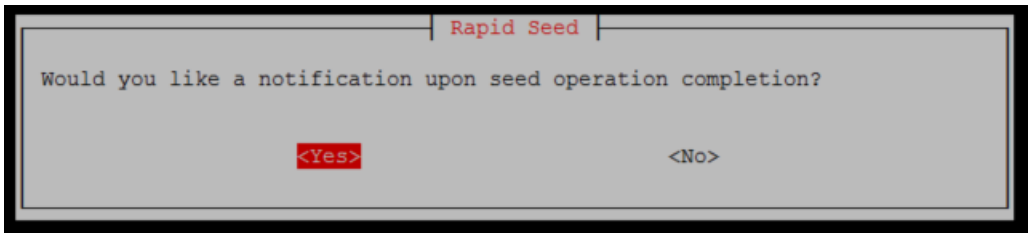
5 Complete the Rapid Seed Import Menu:

Note: Use the arrow keys to navigate the menu.

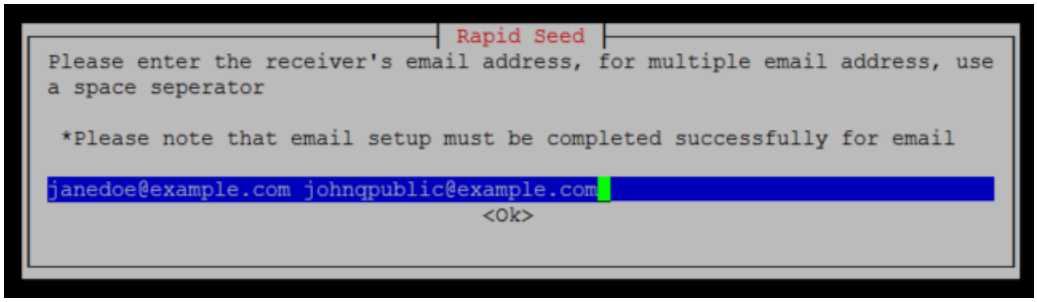
- Select **Rapid NAS import**.



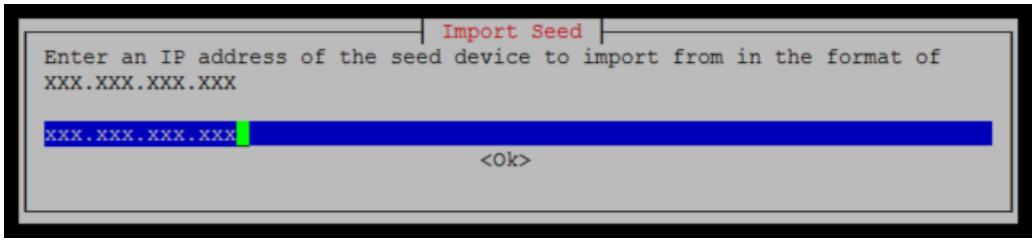
- If you would like to receive an email notification following successful import, select **Yes**.



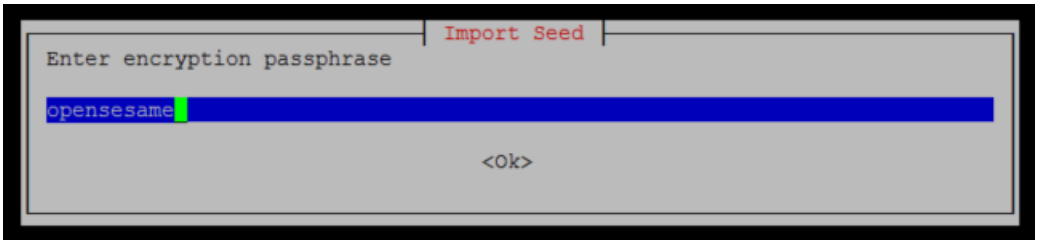
- Enter one or more email addresses. Select **Ok** to proceed.



- Enter the IP address of your NAS device. Select **Ok** to proceed.



- Enter your encryption passphrase. Select **Ok** to begin the import.



6 Once the import is complete, resume backup copy operations.

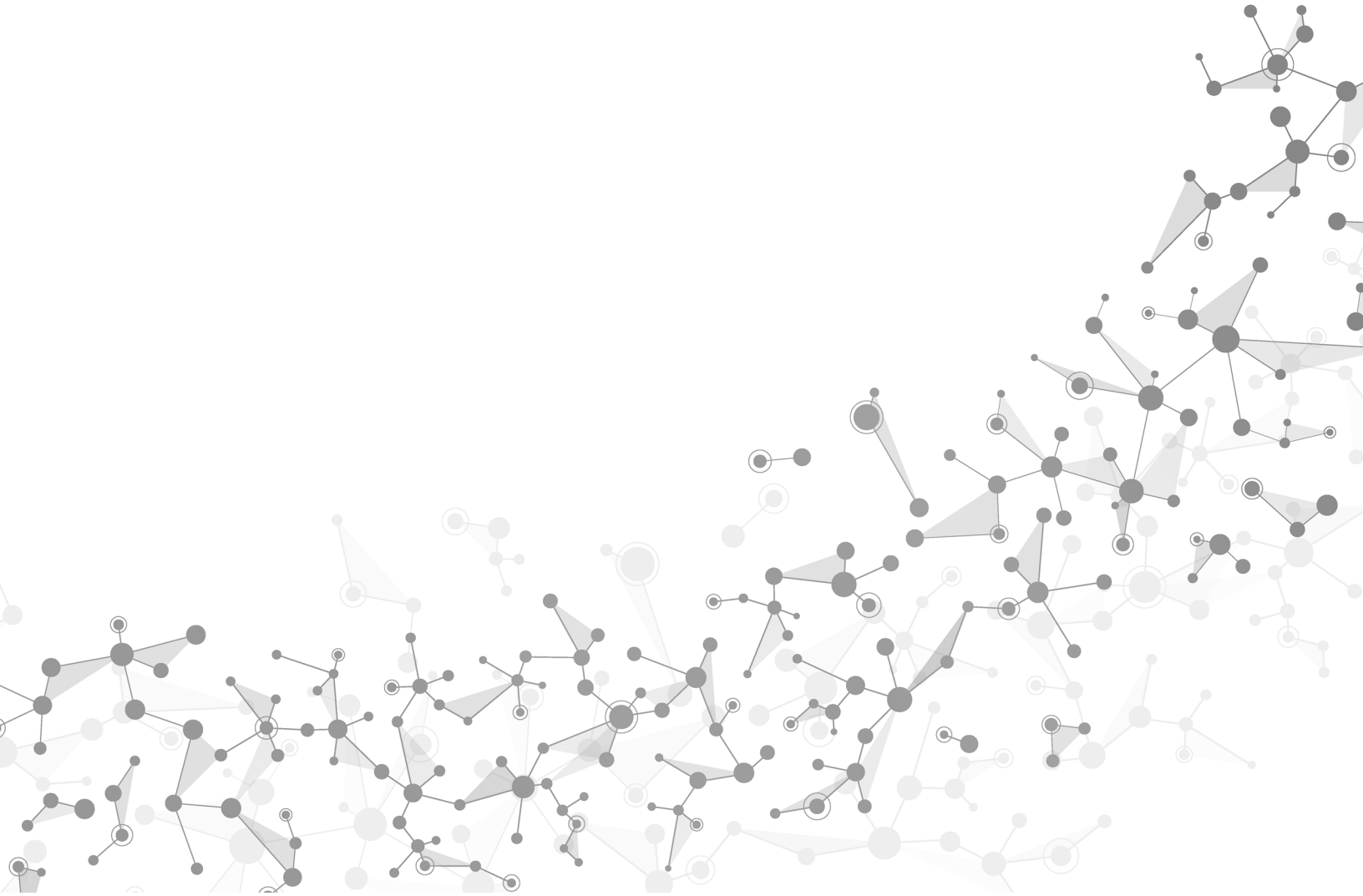
Step 4: Resume backup copy operations

Following seed import, resume any backup copy operations that were halted prior to export.

To resume hot backup copies from the source appliance

1 Log in to your source appliance via the web UI.
2 Select **Configure**, click the **Appliances** tab, and select the source appliance.
3 Click **Edit**.
4 Click **Backup Copy**.
5 Unselect **Suspend backup copies from this appliance**.
6 Click **Save**.

To re-enable all cold backup copy jobs on the source appliance

1 Log in to your source appliance via the web UI.
2 Select **Jobs**, click the **Jobs Manager** tab, and select all disabled cold backup copy jobs.
3 Click **Enable**.

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