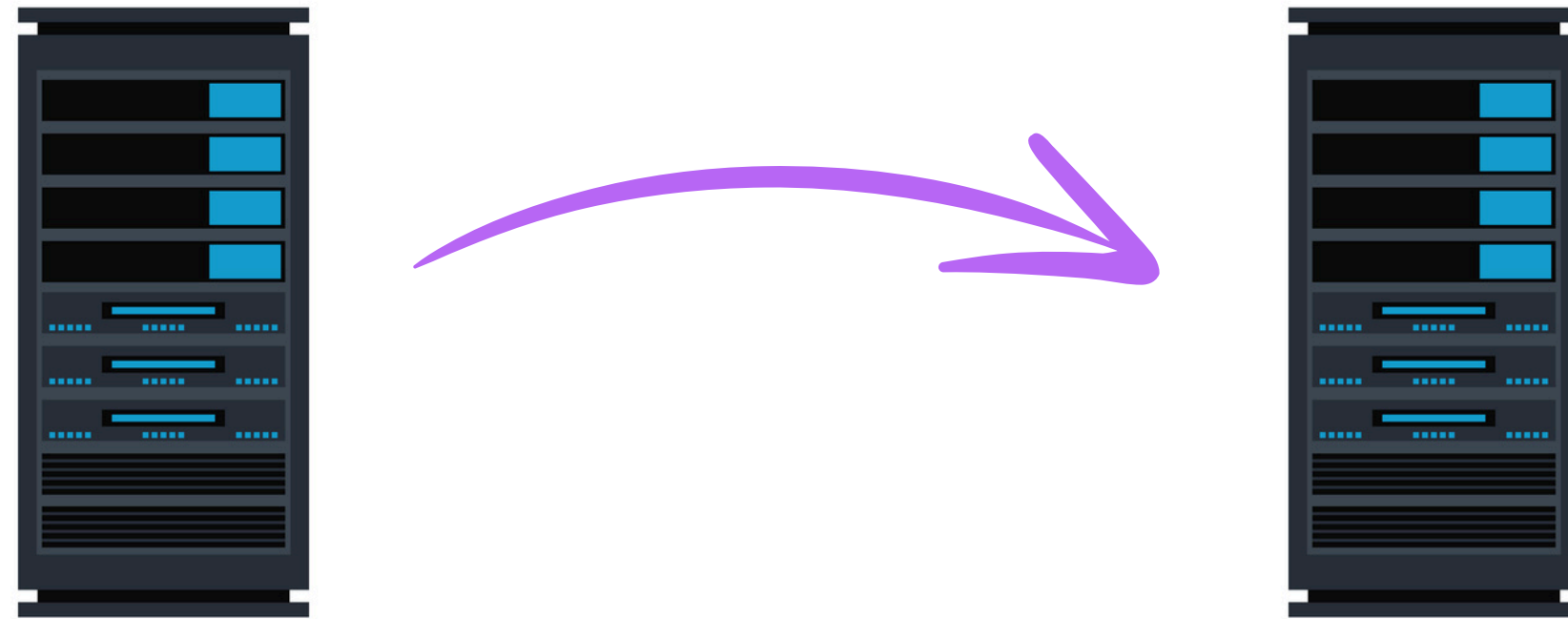
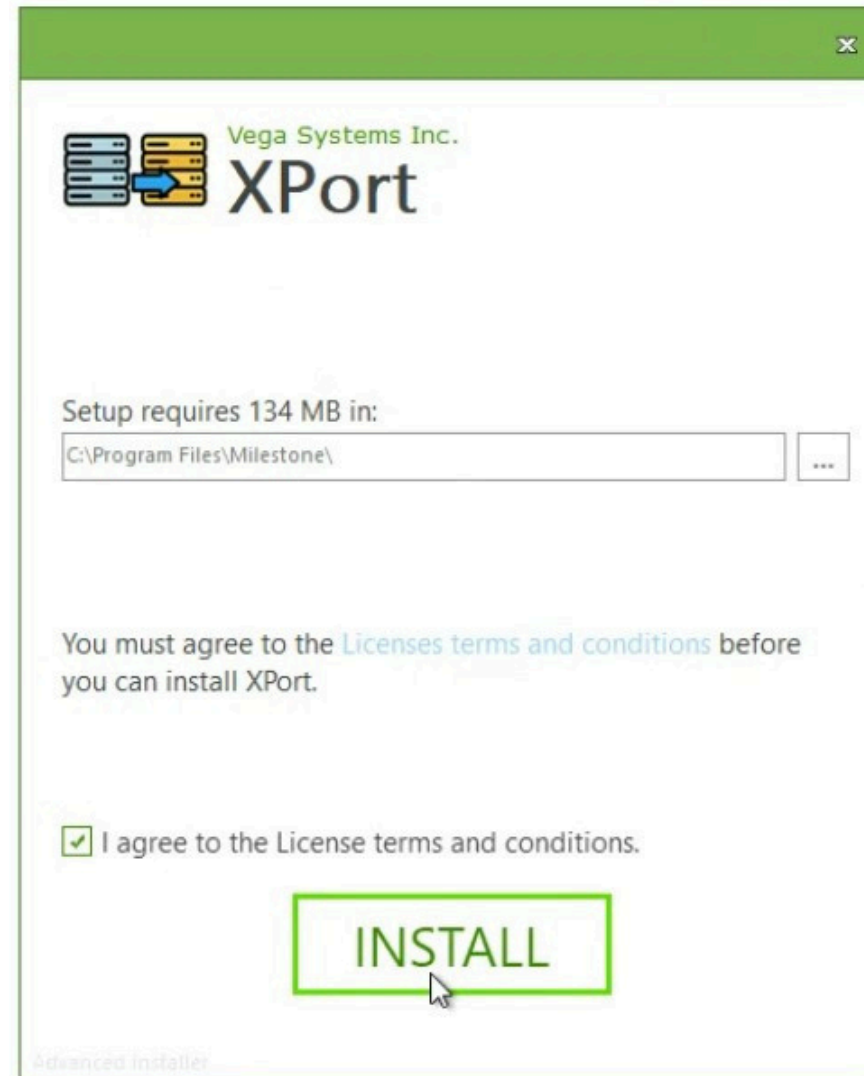
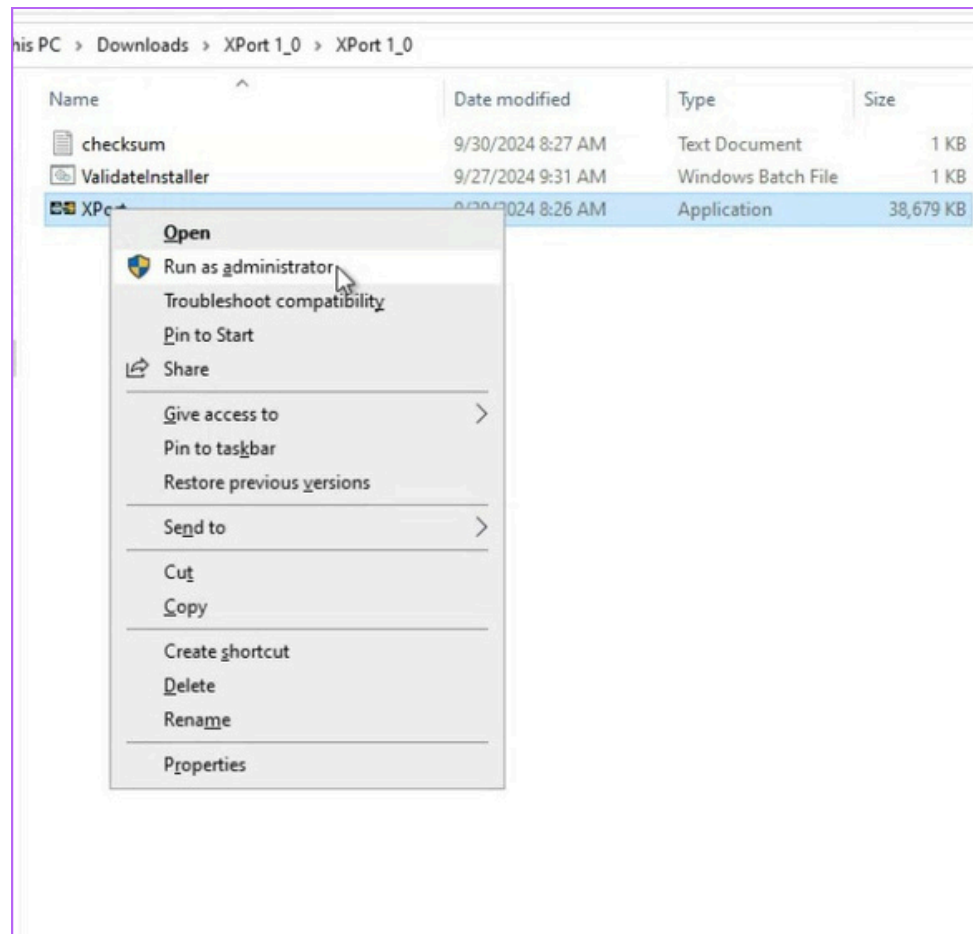


Milestone XProtect Migration Made Easy



XPort
User Manual



Installation

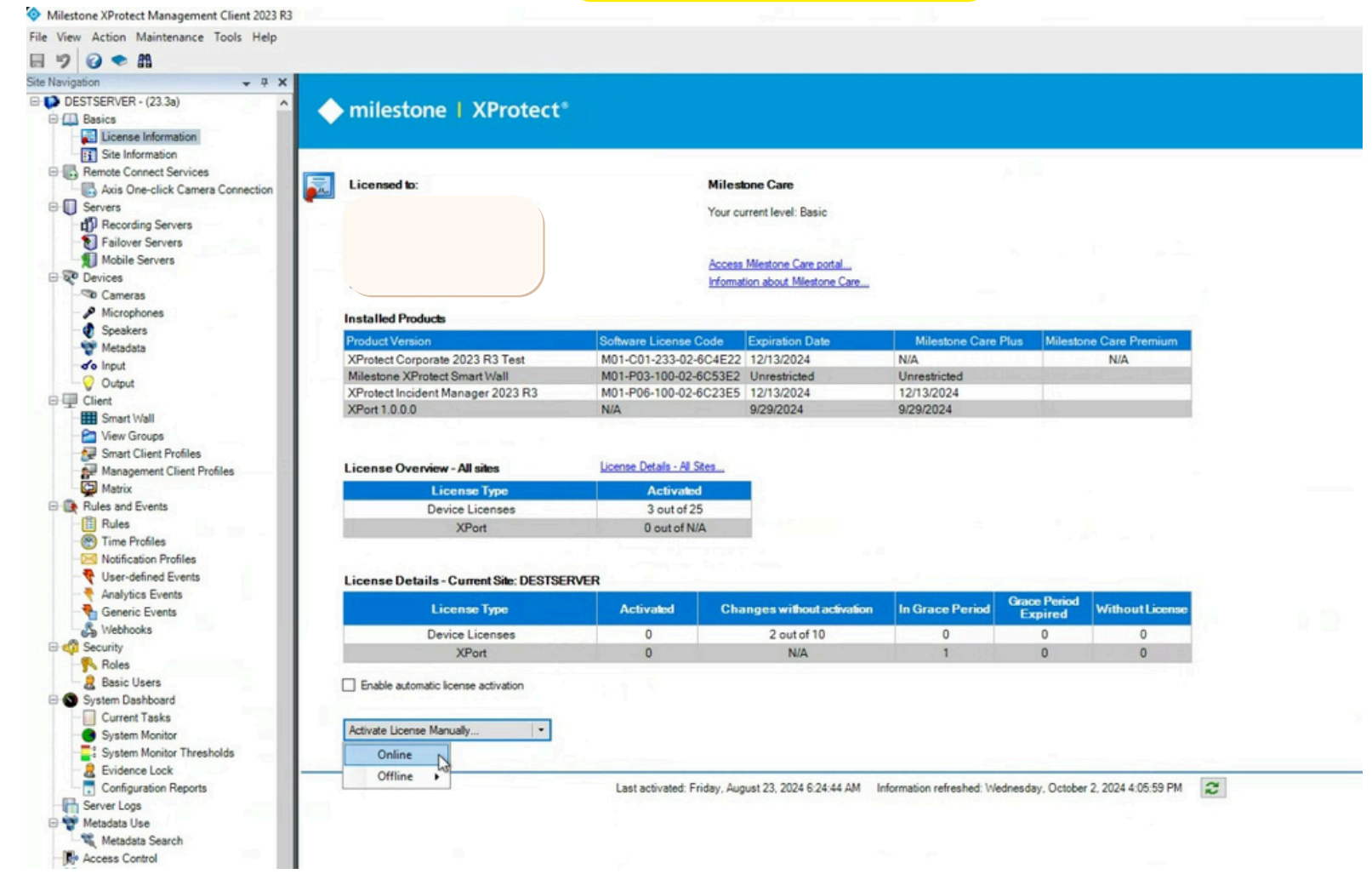
Install XPort on the Destination Management Server

Refresh License

Provide Destination XProtect SLC to Vega Systems



Wait for confirmation of License activation from Vega Systems

The screenshot shows the Milestone XProtect Management Client interface. The left sidebar contains a navigation tree with categories like Basics, License Information, Site Information, Remote Connect Services, Servers, Devices, Client, Security, and System Dashboard. The main content area displays the 'milestone | XProtect' dashboard for a site named 'DESTSERVER'. It includes sections for 'Licensed to', 'Installed Products', 'License Overview - All sites', and 'License Details - Current Site: DESTSERVER'. At the bottom, there is an 'Activate License Manually...' dropdown menu with 'Online' and 'Offline' options.

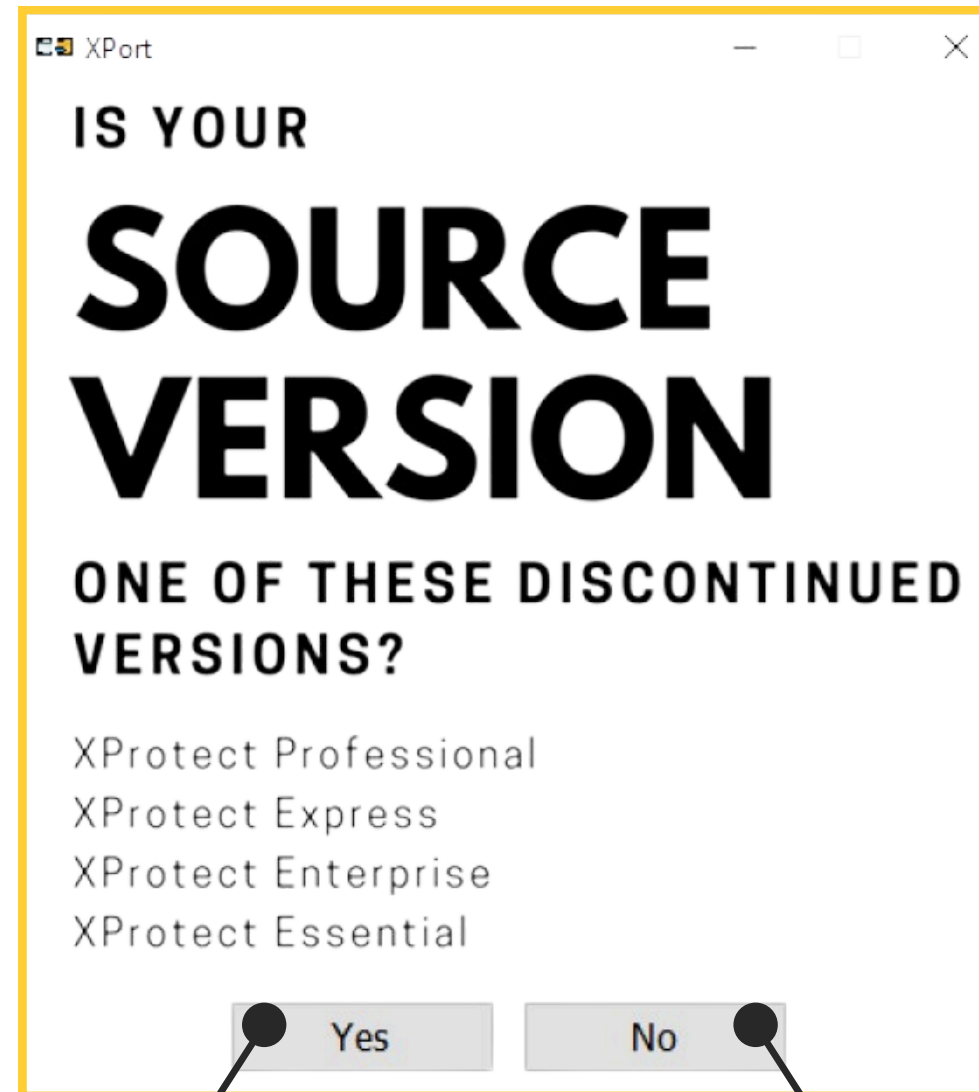
Product Version	Software License Code	Expiration Date	Milestone Care Plus	Milestone Care Premium
XProtect Corporate 2023 R3 Test	M01-C01-233-02-6C4E22	12/13/2024	N/A	N/A
Milestone XProtect Smart Wall	M01-P03-100-02-6C53E2	Unrestricted	Unrestricted	
XProtect Incident Manager 2023 R3	M01-P06-100-02-6C23E5	12/13/2024	12/13/2024	
XPort 1.0.0.0	N/A	9/29/2024	9/29/2024	

License Type	Activated
Device Licenses	3 out of 25
XPort	0 out of N/A

License Type	Activated	Changes without activation	In Grace Period	Grace Period Expired	Without License
Device Licenses	0	2 out of 10	0	0	0
XPort	0	N/A	1	0	0

Licensing

On the Destination Management Server



[Legacy Workflow](#)

Run

[New Workflow](#)



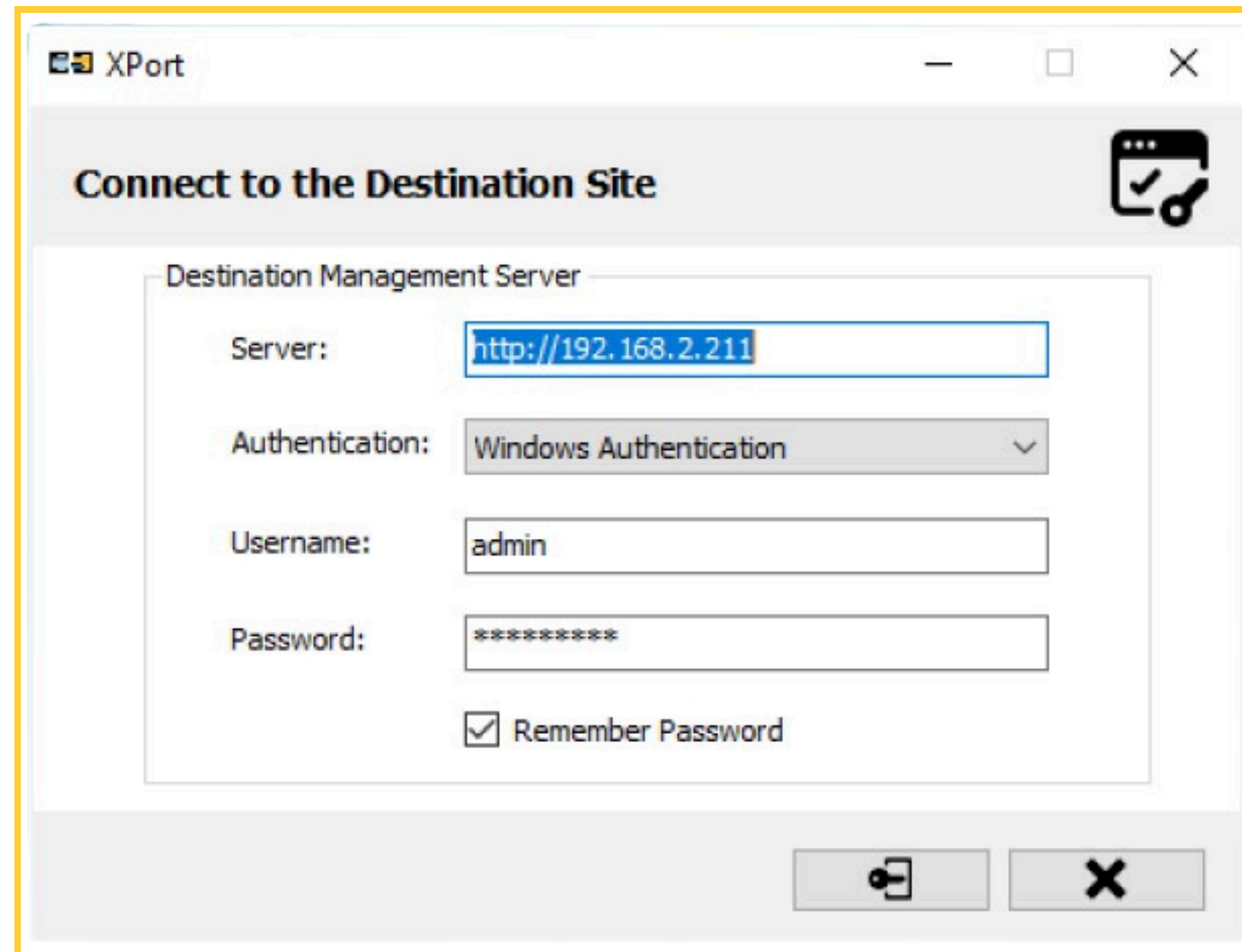
Migration from legacy XProtect Flavors to newer Flavors

Professional, Enterprise, Express, Essential -> Professional+, Expert, Corporate



Work flow in this section corresponds to this choice

Login to the Destination

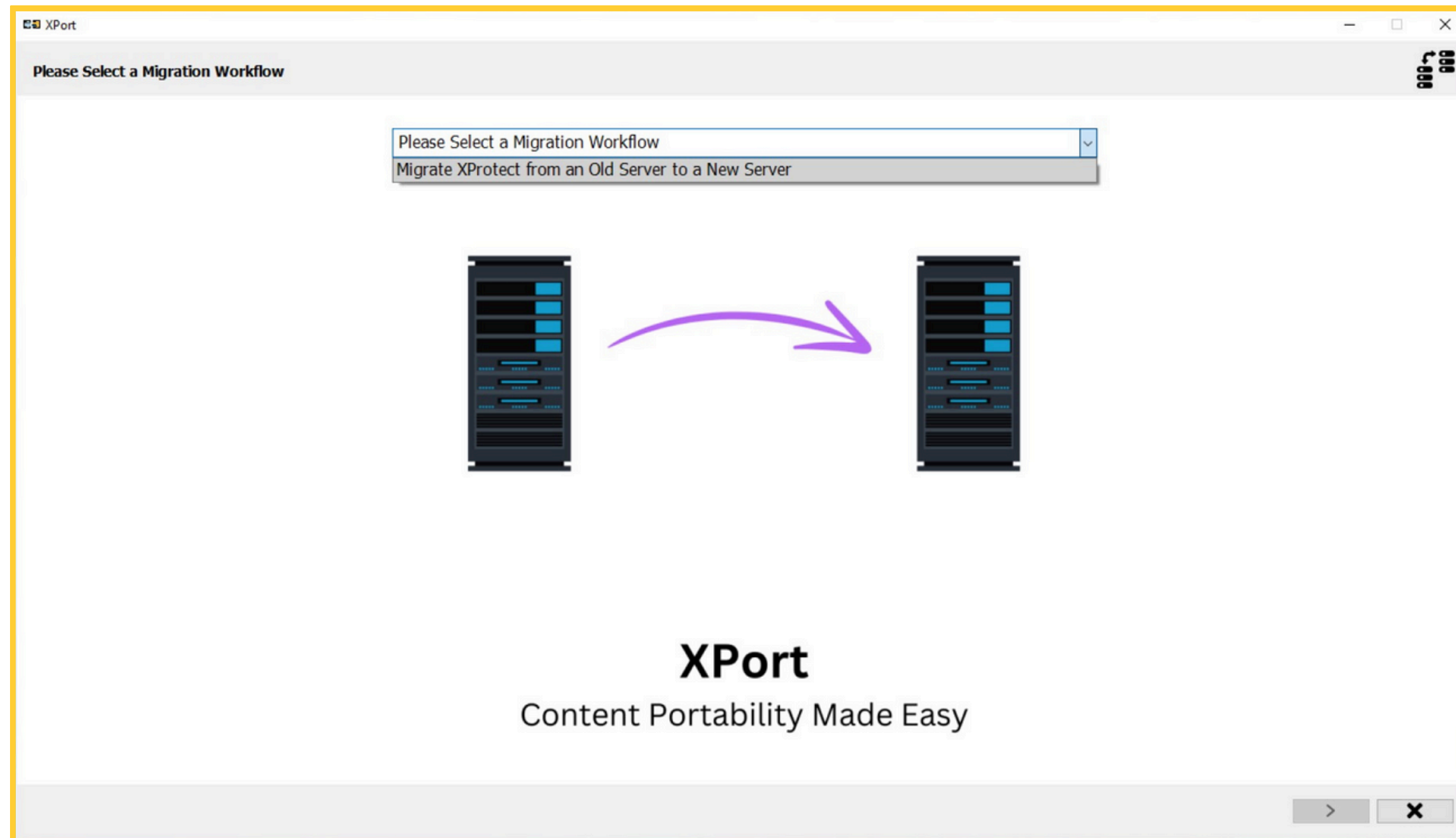


The screenshot shows a Windows-style dialog box titled "XPort" with the subtitle "Connect to the Destination Site". The dialog is used for configuring a "Destination Management Server". It contains the following fields and options:

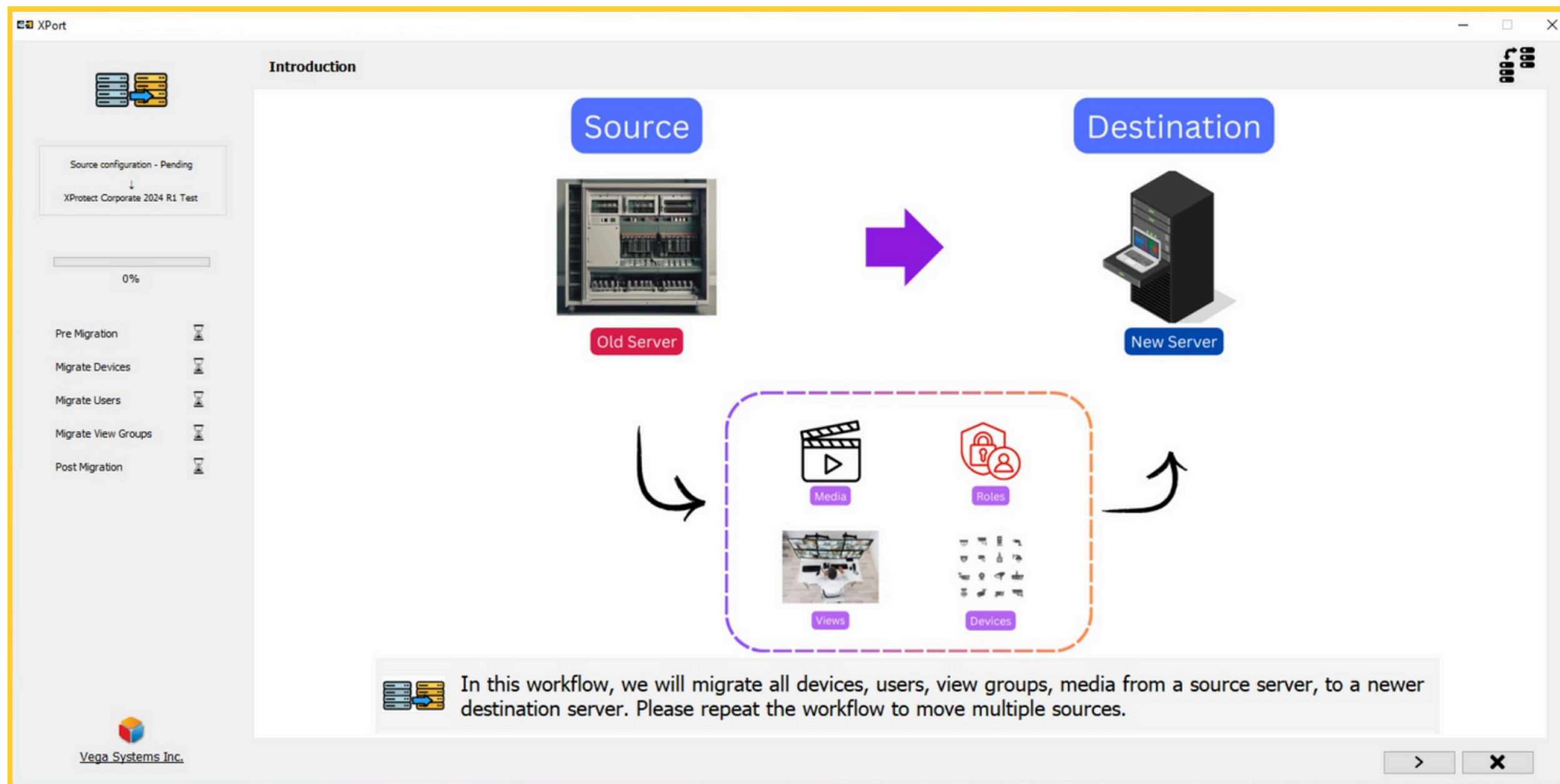
- Server:** A text box containing the URL `http://192.168.2.211`.
- Authentication:** A dropdown menu currently set to "Windows Authentication".
- Username:** A text box containing the text "admin".
- Password:** A text box containing eight asterisks "*****".
- Remember Password:** A checked checkbox.

At the bottom of the dialog, there are two buttons: a key icon (likely for password management) and a close button (X).

Select Workflow

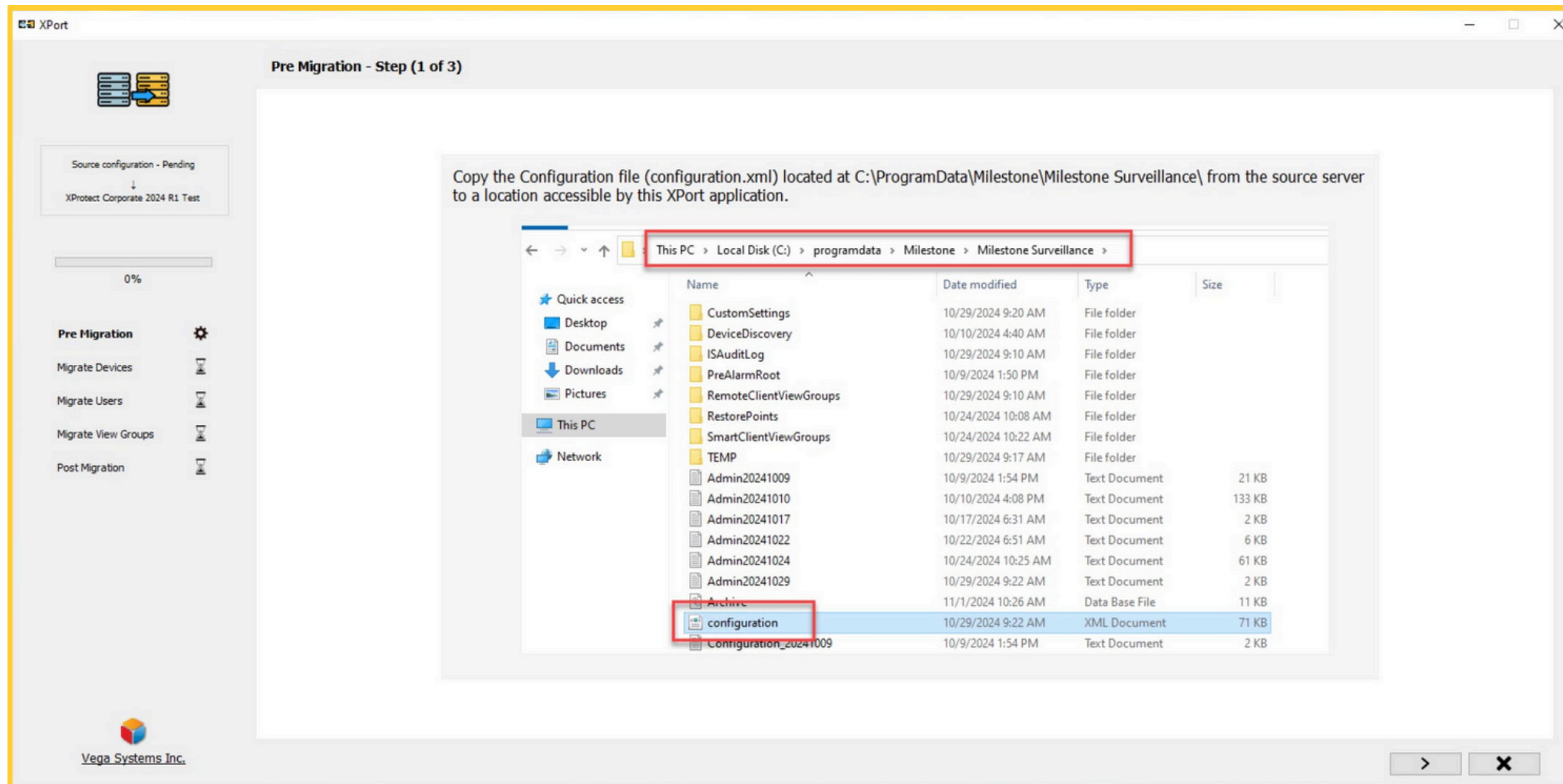


Begin



The screenshot displays the XPort migration tool interface. On the left, a sidebar shows the migration progress: "Source configuration - Pending" (XProtect Corporate 2024 R1 Test) at 0%, followed by "Pre Migration", "Migrate Devices", "Migrate Users", "Migrate View Groups", and "Post Migration". The main area, titled "Introduction", features a diagram with a "Source" (Old Server) on the left and a "Destination" (New Server) on the right, connected by a large purple arrow. Below this, a dashed box contains icons for "Media", "Roles", "Views", and "Devices", with arrows indicating their migration from the source to the destination. A text box at the bottom of the diagram states: "In this workflow, we will migrate all devices, users, view groups, media from a source server, to a newer destination server. Please repeat the workflow to move multiple sources." The Vega Systems Inc. logo is visible in the bottom left corner of the interface.

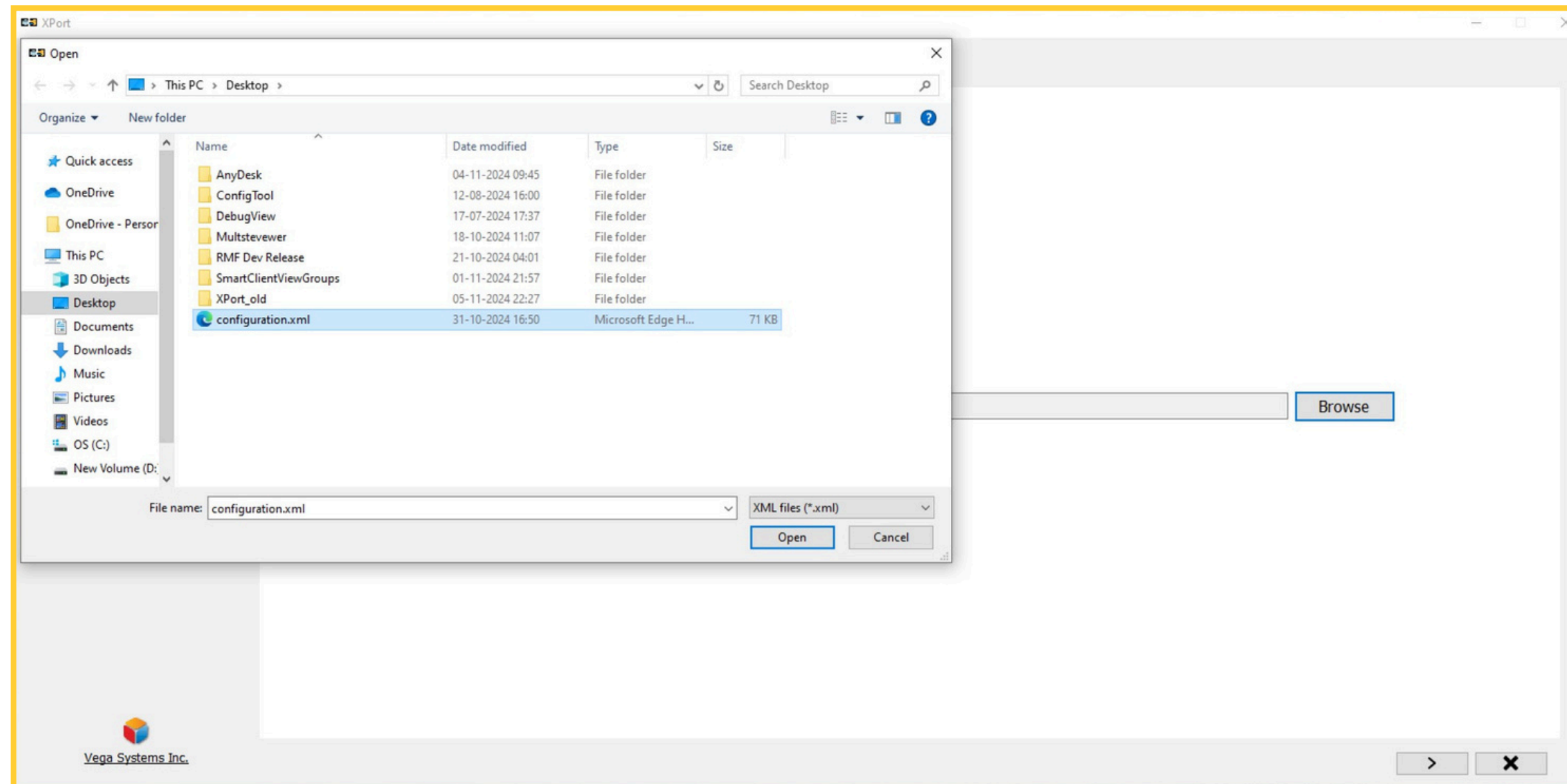
Copy Config from the source



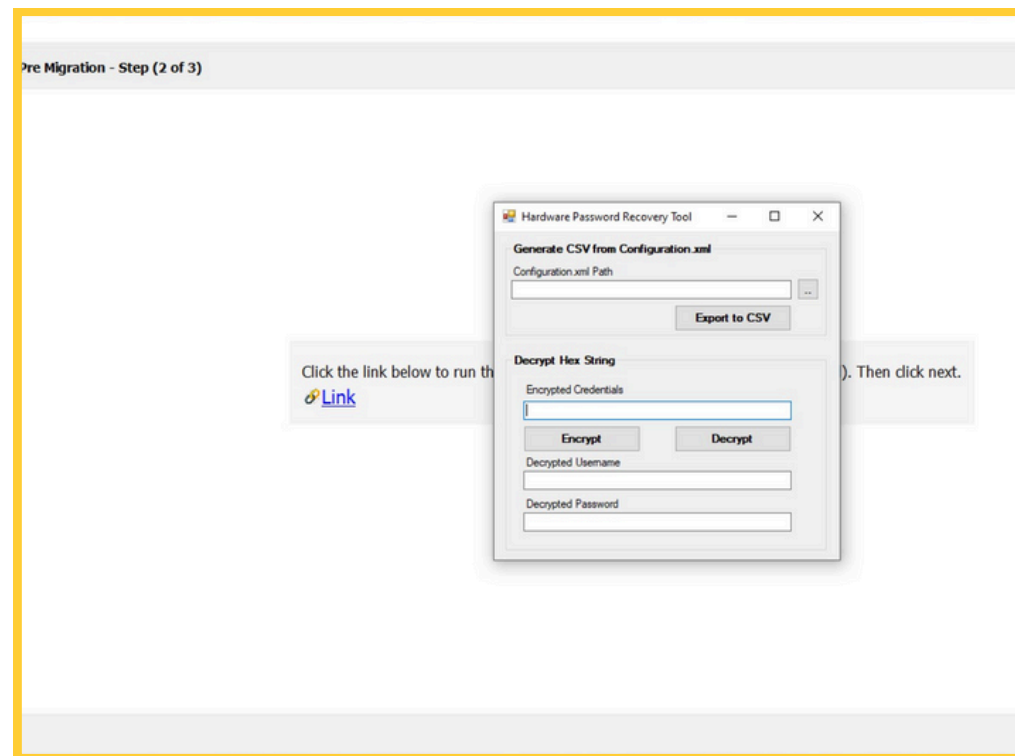
The screenshot shows the XPort application interface during a "Pre Migration - Step (1 of 3)". The main window displays a file explorer view of the source server's configuration files. The path shown is "This PC > Local Disk (C:) > programdata > Milestone > Milestone Surveillance". The file "configuration" is highlighted in blue, and its details are shown in the table below:

Name	Date modified	Type	Size
CustomSettings	10/29/2024 9:20 AM	File folder	
DeviceDiscovery	10/10/2024 4:40 AM	File folder	
ISAuditLog	10/29/2024 9:10 AM	File folder	
PreAlarmRoot	10/9/2024 1:50 PM	File folder	
RemoteClientViewGroups	10/29/2024 9:10 AM	File folder	
RestorePoints	10/24/2024 10:08 AM	File folder	
SmartClientViewGroups	10/24/2024 10:22 AM	File folder	
TEMP	10/29/2024 9:17 AM	File folder	
Admin20241009	10/9/2024 1:54 PM	Text Document	21 KB
Admin20241010	10/10/2024 4:08 PM	Text Document	133 KB
Admin20241017	10/17/2024 6:31 AM	Text Document	2 KB
Admin20241022	10/22/2024 6:51 AM	Text Document	6 KB
Admin20241024	10/24/2024 10:25 AM	Text Document	61 KB
Admin20241029	10/29/2024 9:22 AM	Text Document	2 KB
Archive	11/1/2024 10:26 AM	Data Base File	11 KB
configuration	10/29/2024 9:22 AM	XML Document	71 KB
Configuration_20241009	10/9/2024 1:54 PM	Text Document	2 KB

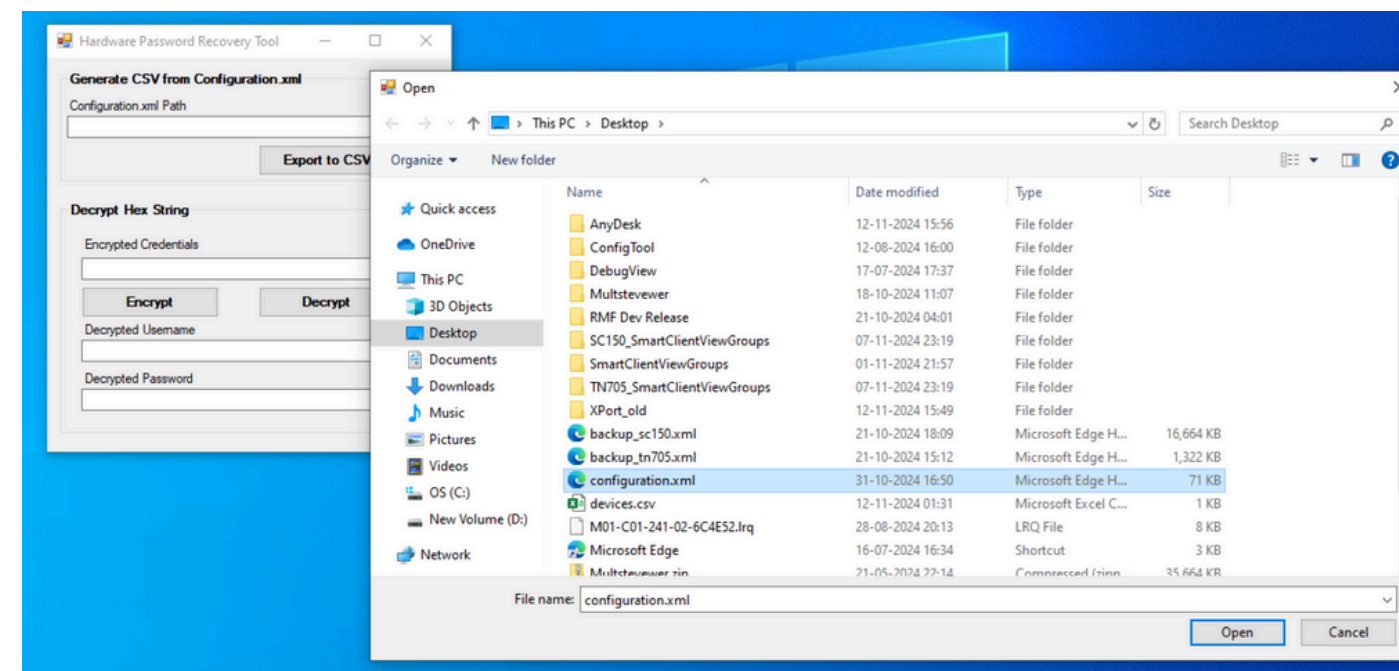
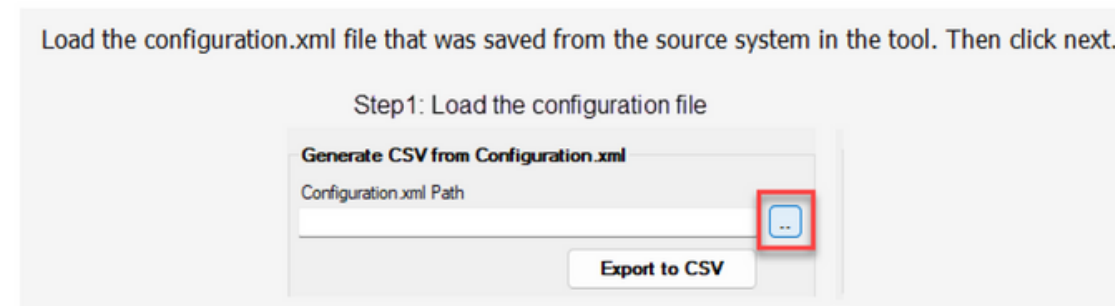
Select copied config file



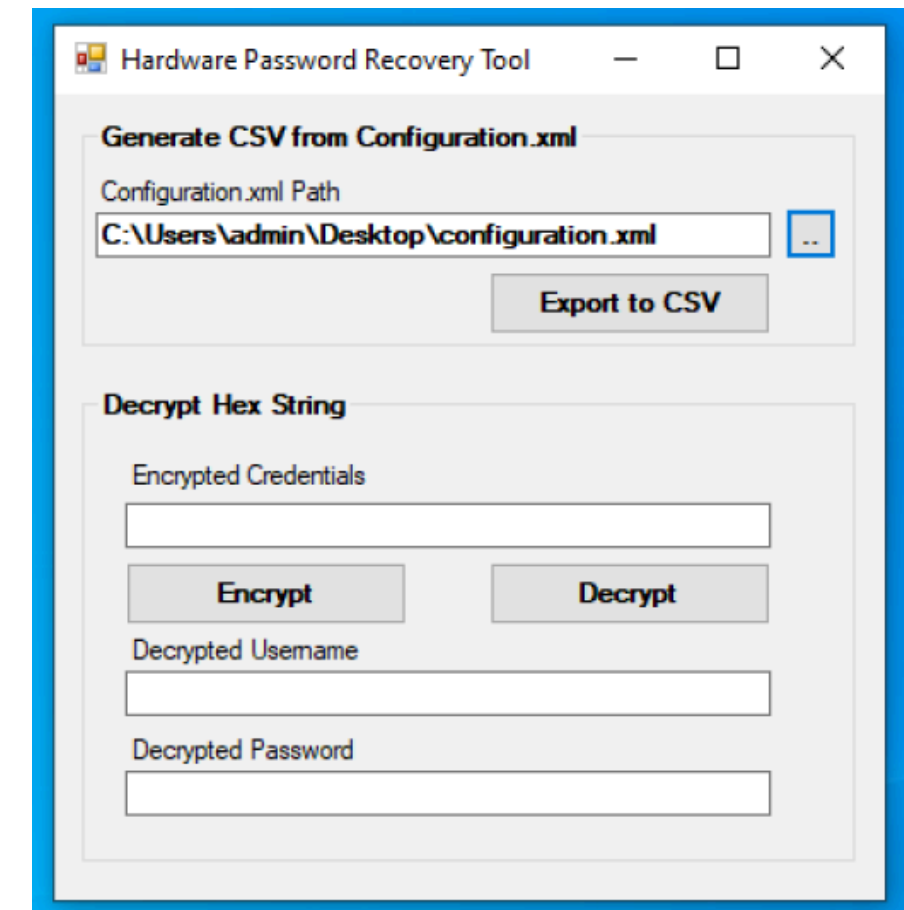
Process Config to extract the device passwords



Run Tool from 'Link'

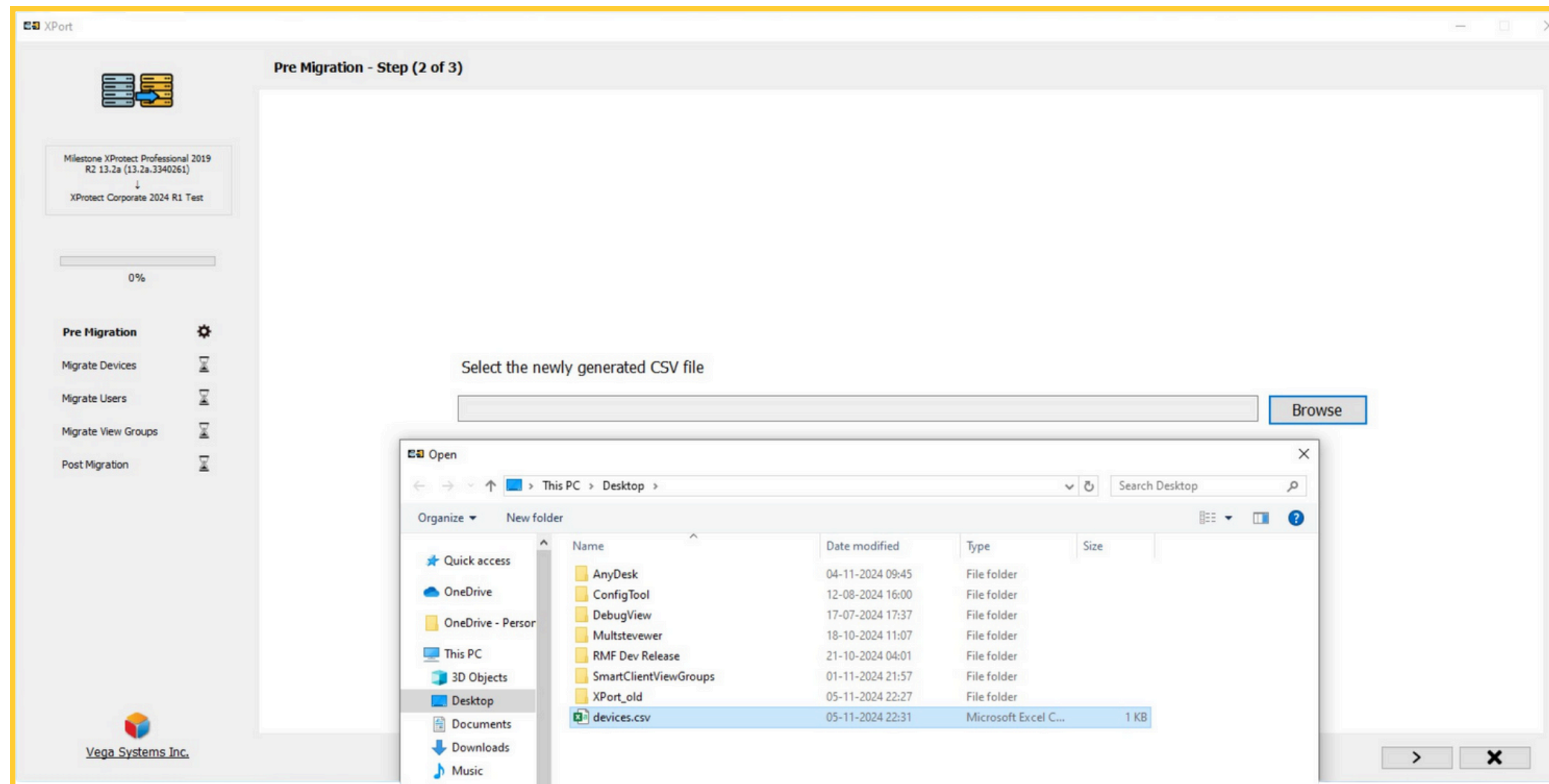


Point tool to Config

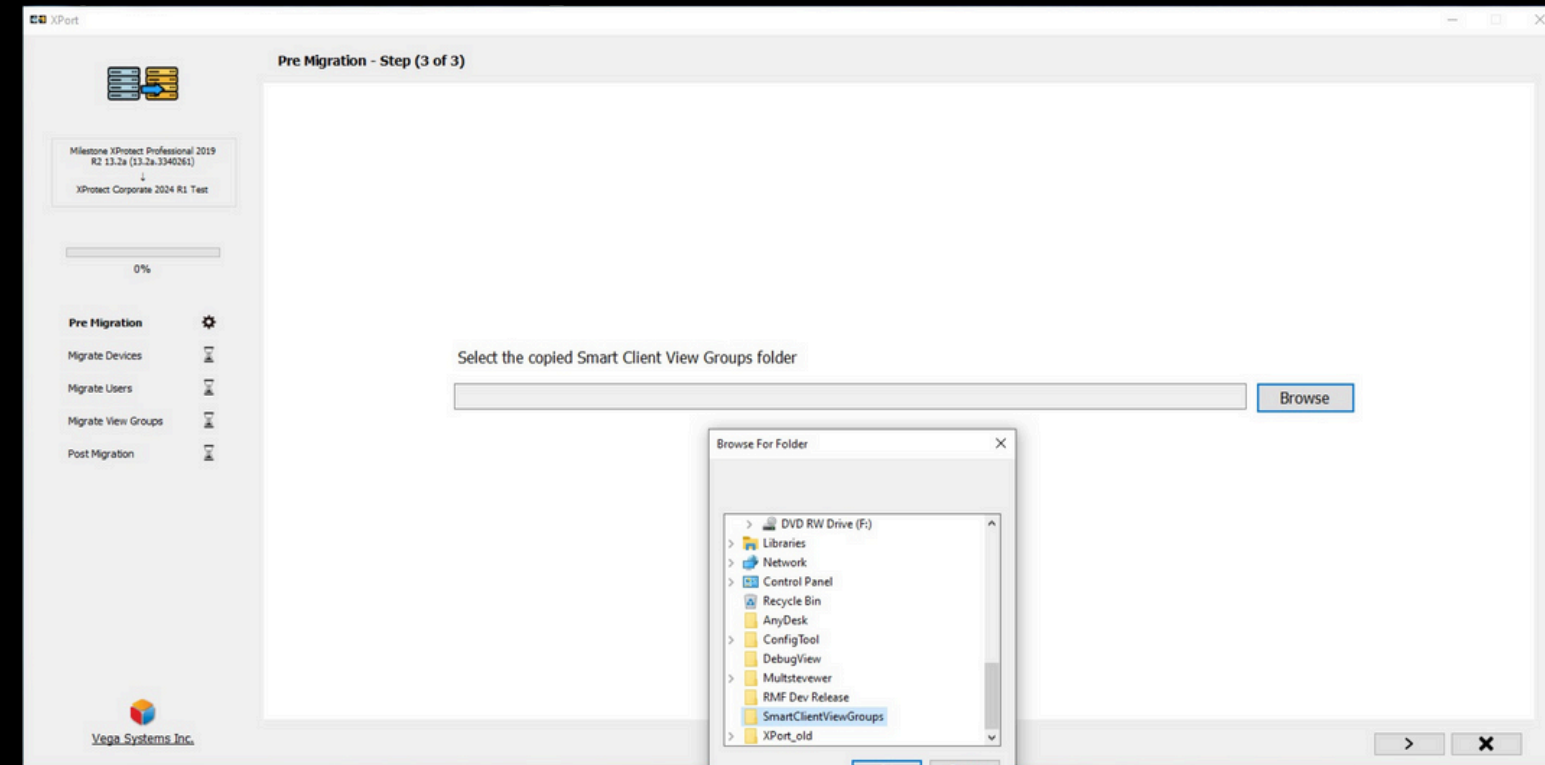
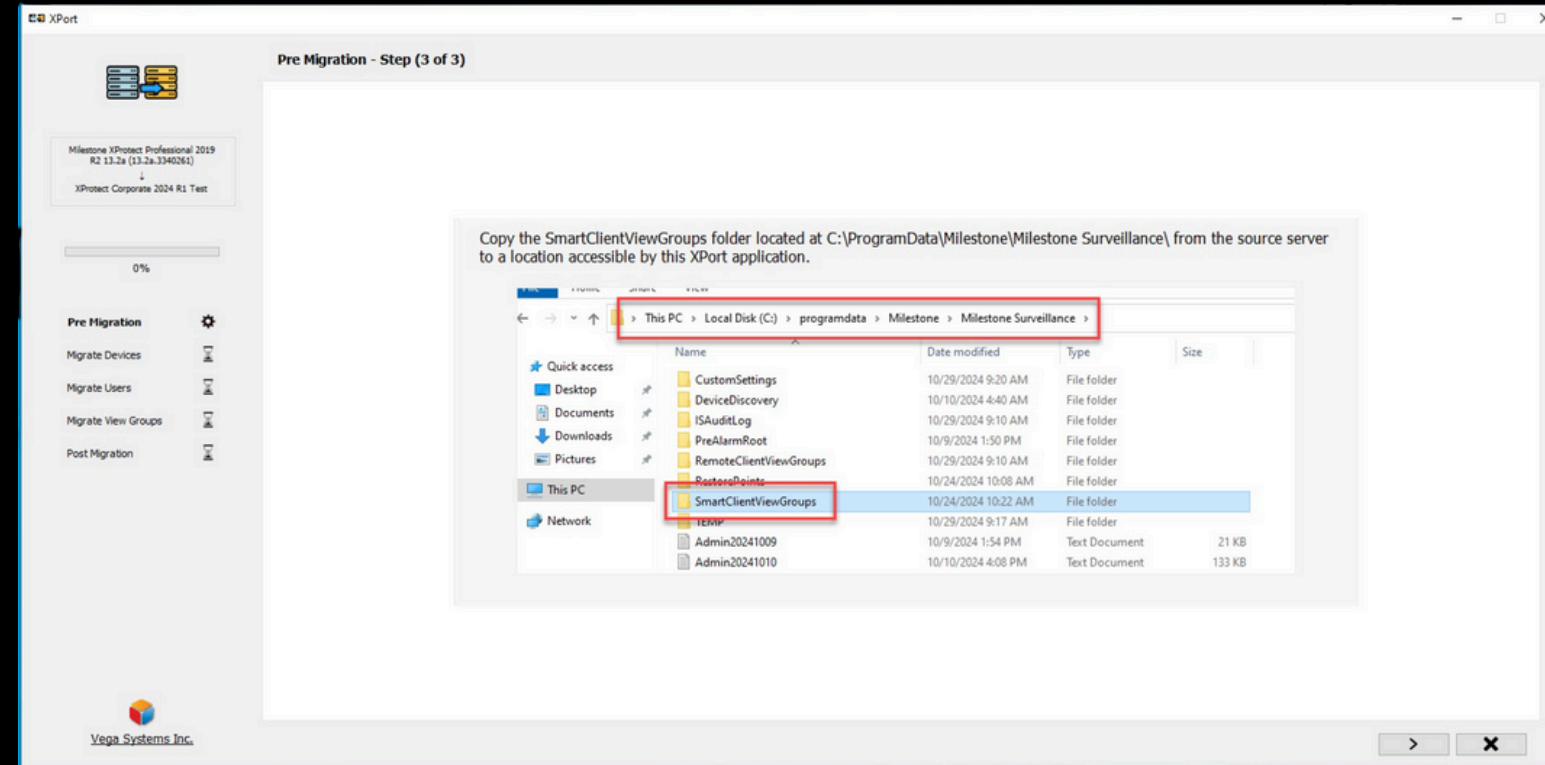


Export Passwords to csv

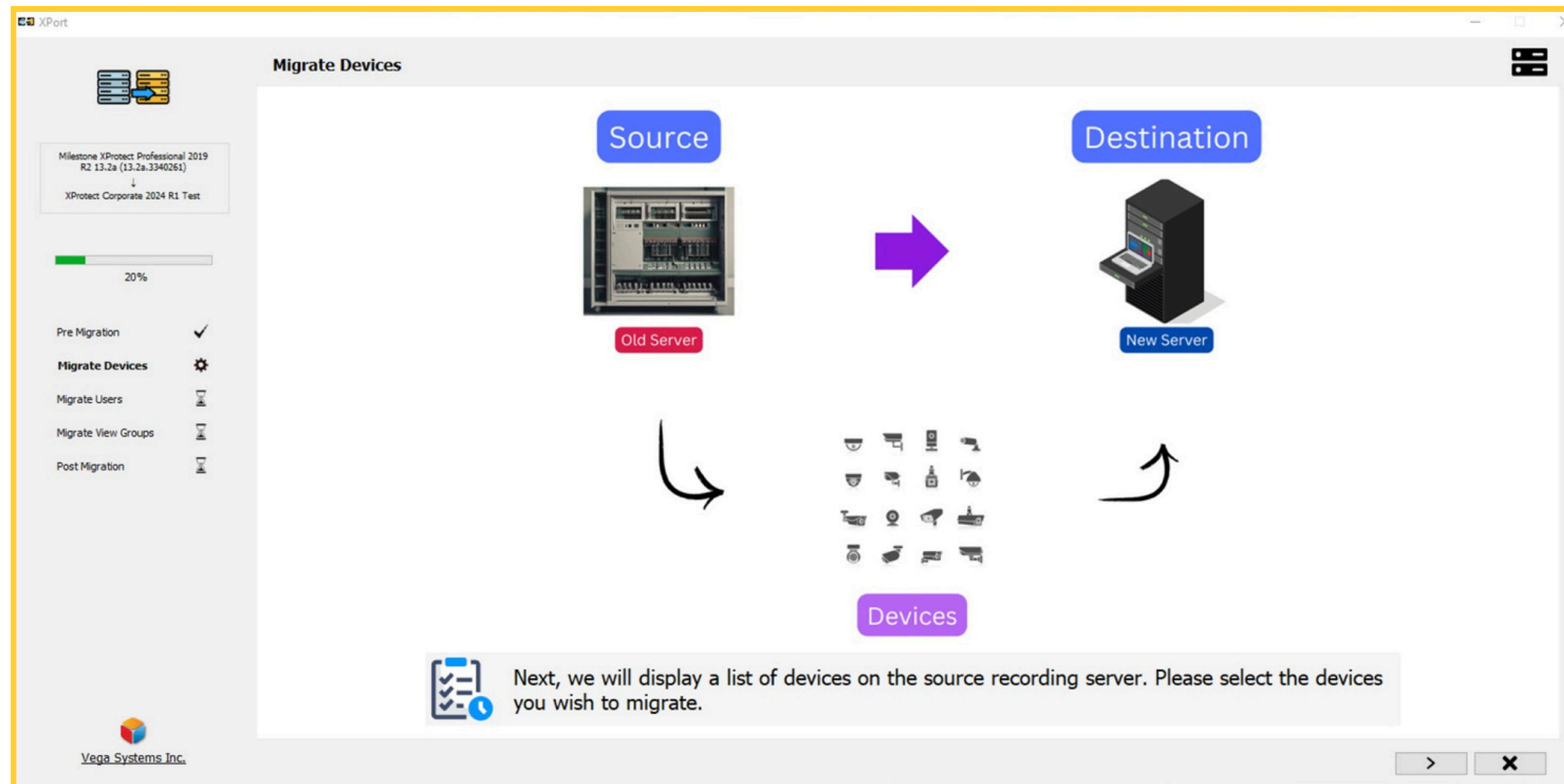
Load the password extracted CSV file

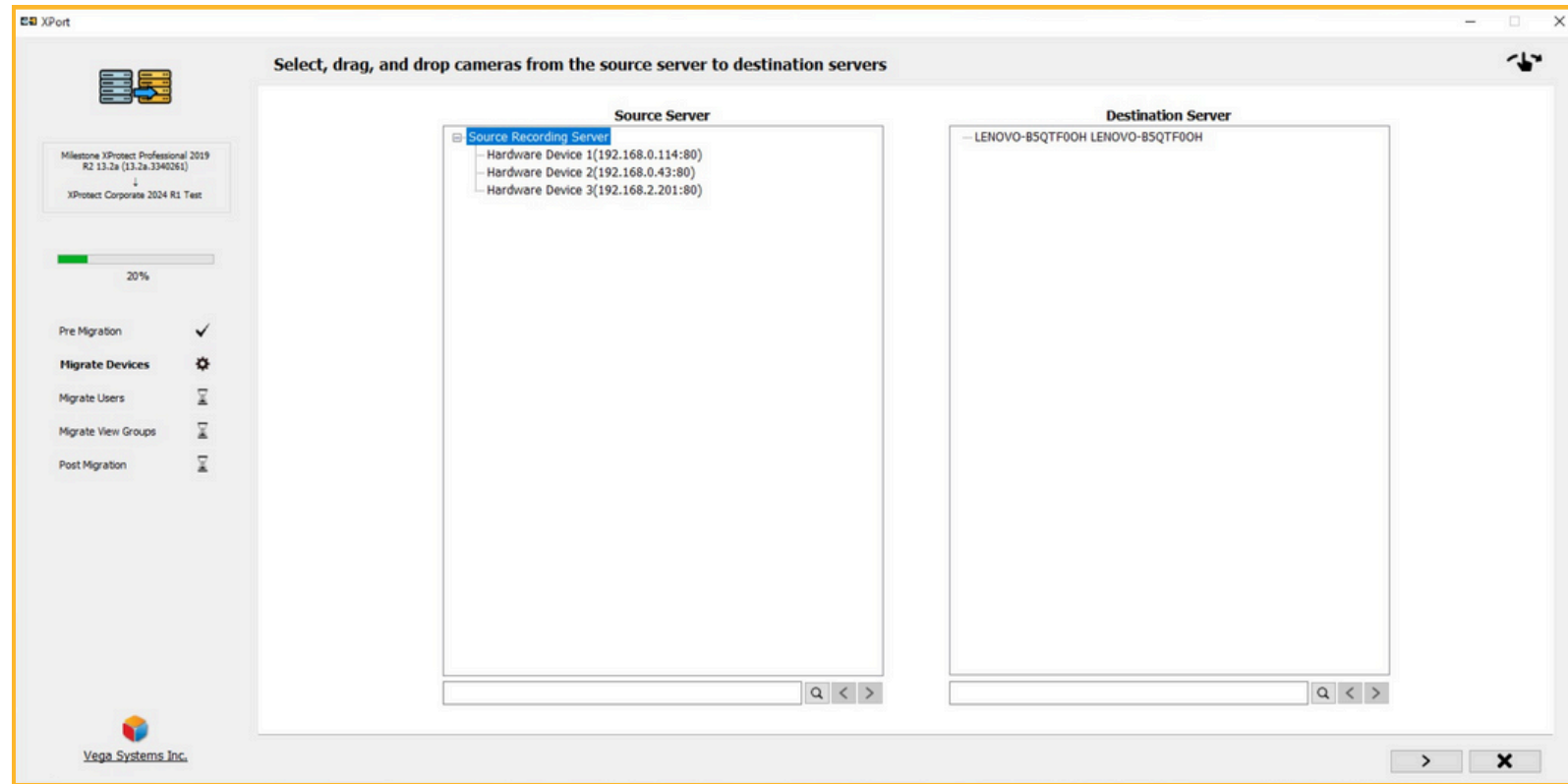


Copy and Select the Smart Client View Groups Folder from the source



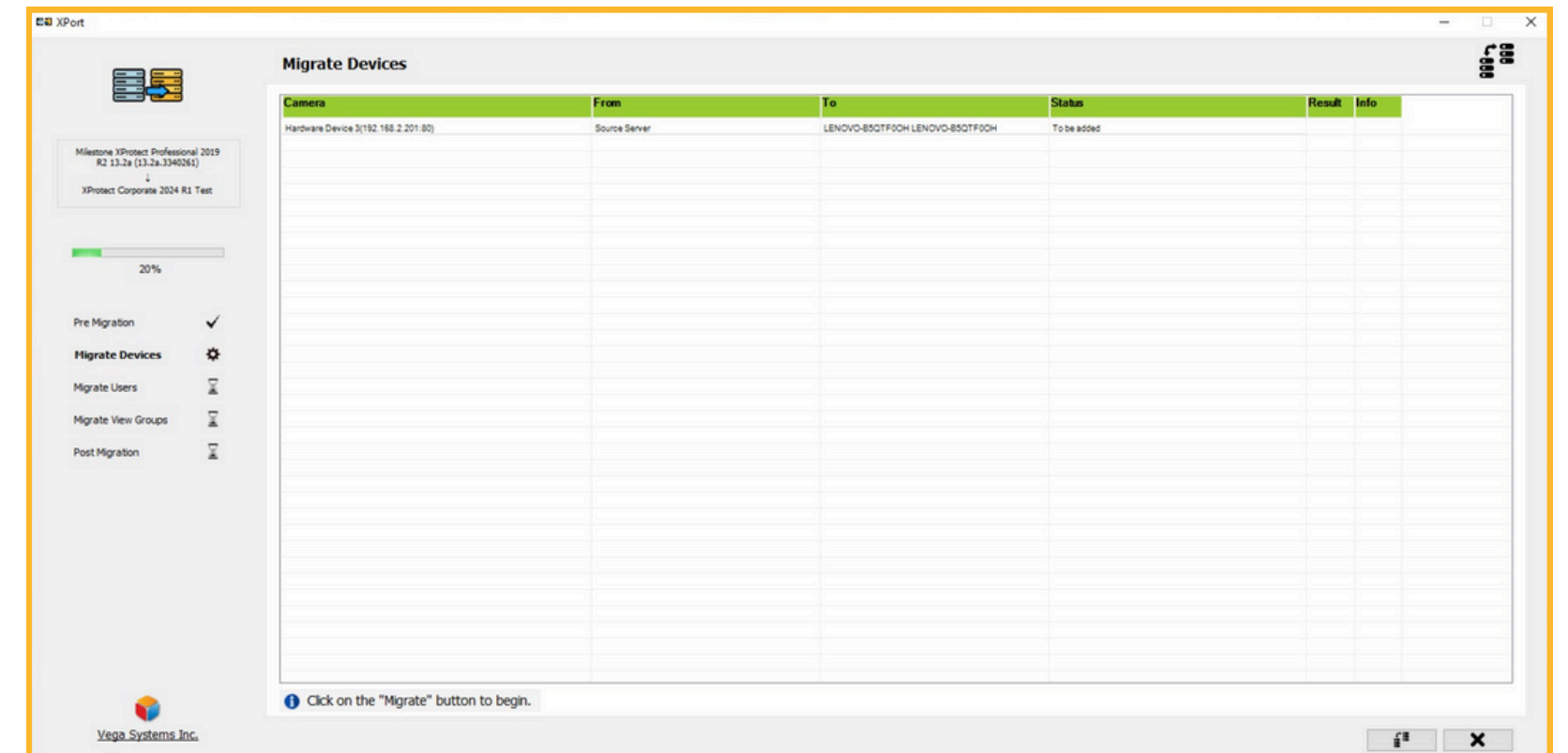
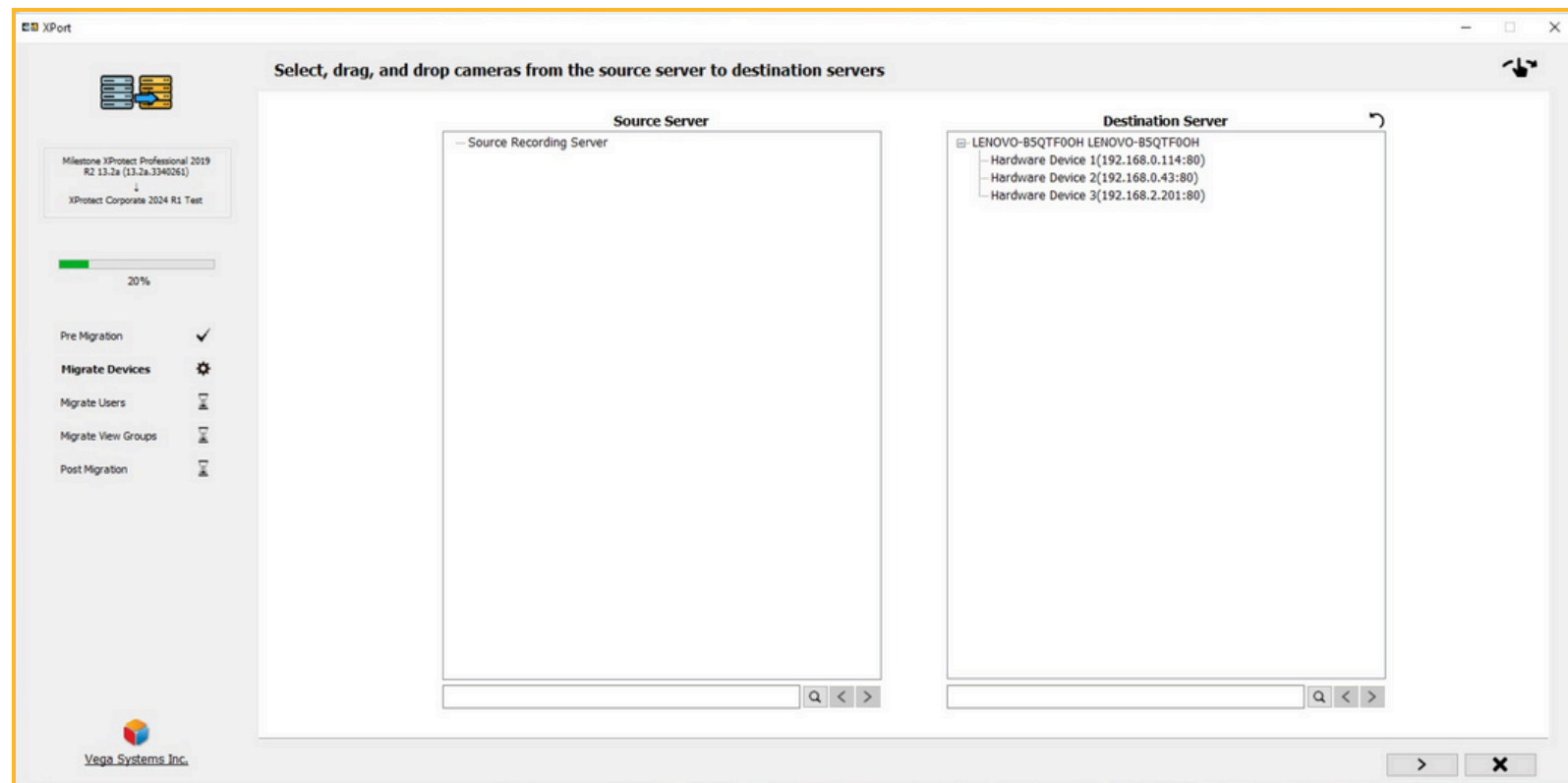
Begin Device Migration



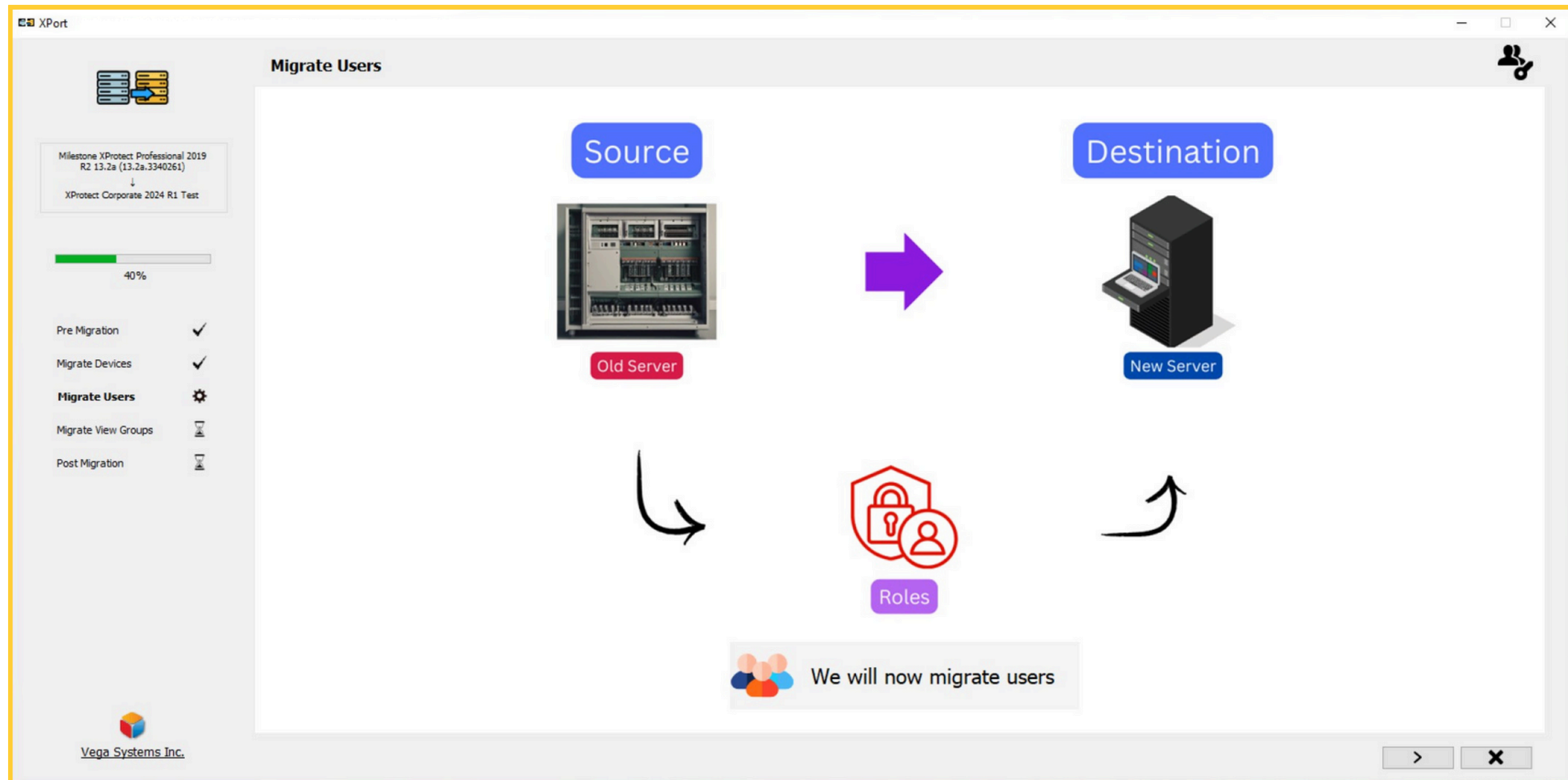


Drag/Drop Devices to Migrate

Migration from legacy XProtect flavors to newer flavors

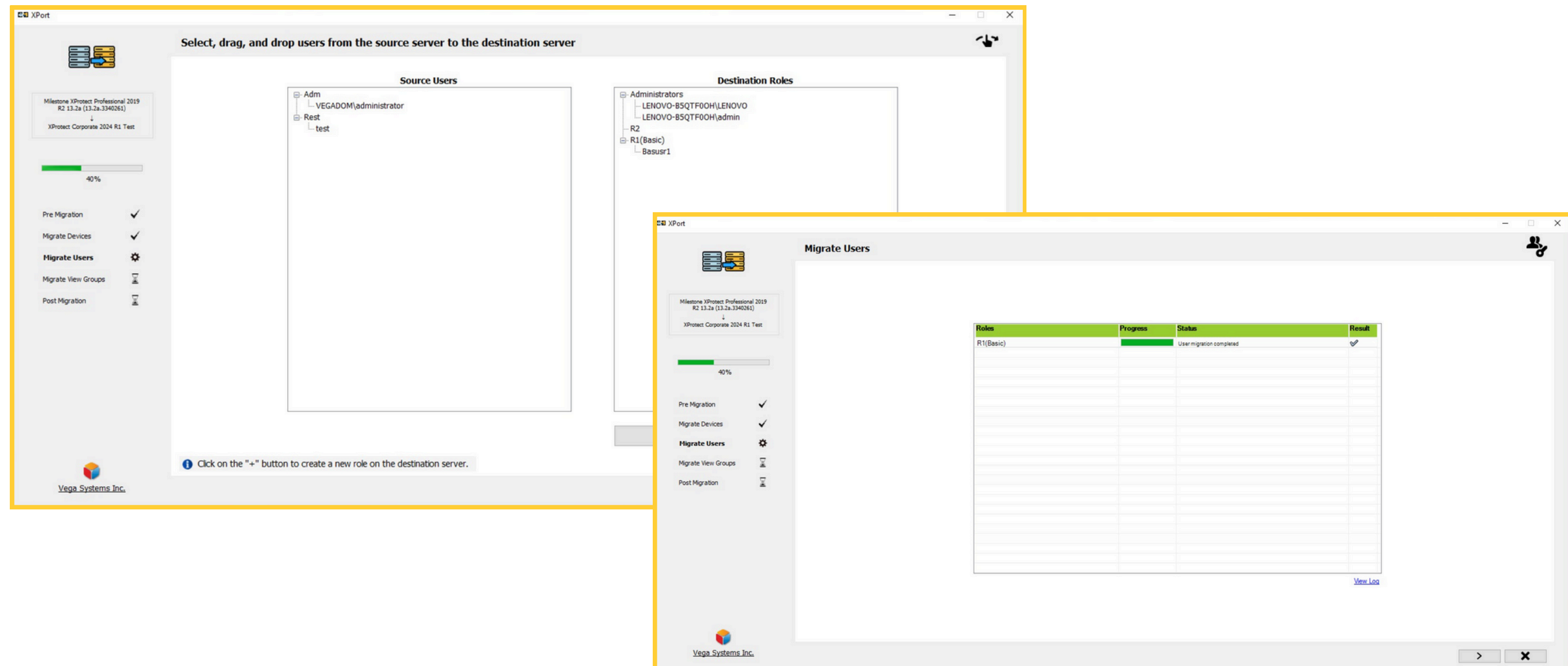


Migrate Users



The screenshot displays the XPort software interface for migrating users. On the left, a sidebar shows the migration progress at 40% and a checklist with 'Migrate Users' selected. The main area features a diagram with 'Source' (Old Server) and 'Destination' (New Server) boxes, connected by a purple arrow. Below this, a 'Roles' icon is shown with arrows pointing to the source and destination, indicating the migration of user roles. A message box at the bottom reads 'We will now migrate users'. The Vega Systems Inc. logo is visible in the bottom left corner of the software window.

Drag/Drop Users to Roles

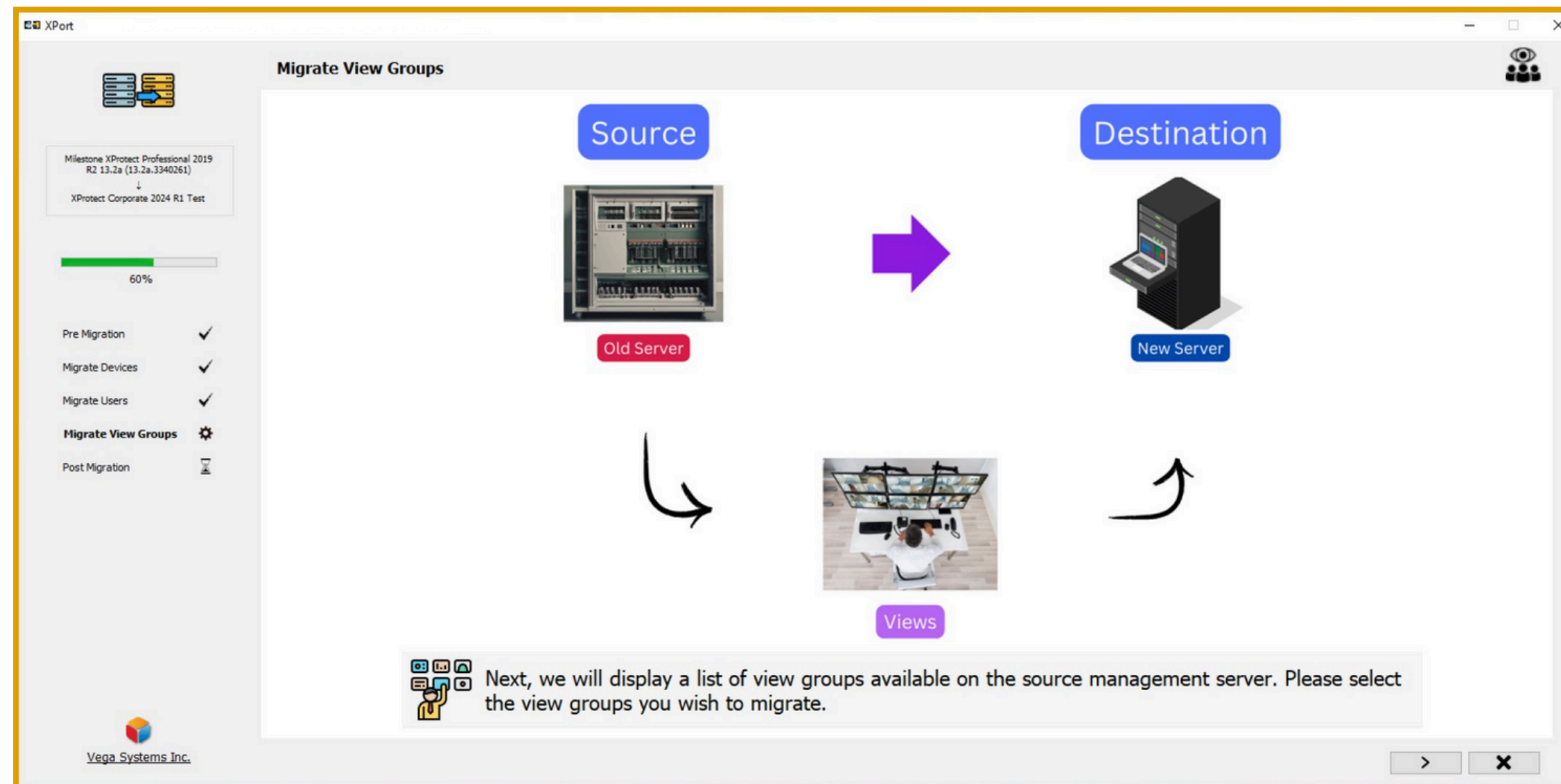


The image displays two screenshots from the XPort software interface, illustrating the user migration process.

The top screenshot, titled "Select, drag, and drop users from the source server to the destination server", shows two side-by-side panes:

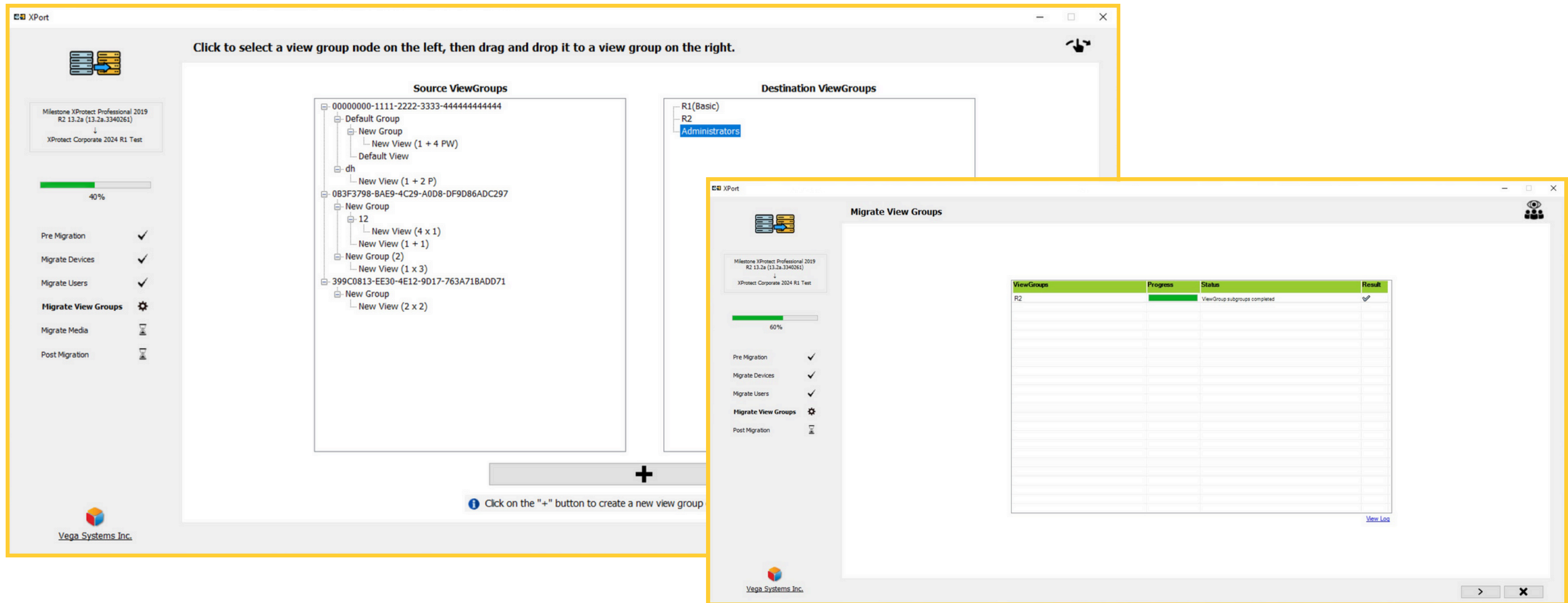
- Source Users:** A tree view containing:
 - Adm
 - VEGADOM\administrator
 - Rest
 - test
- Destination Roles:** A tree view containing:
 - Administrators
 - LENOVO-B5QTF00H\LENOVO
 - LENOVO-B5QTF00H\admin
 - R2
 - R1(Basic)
 - Basusr1

Migrate View Groups



Migration from legacy XProtect flavors to newer flavors

Drag/Drop/Migrate View Groups



The image displays the XPort software interface for migrating view groups. It is divided into two main parts: a source view group selection screen and a migration progress screen.

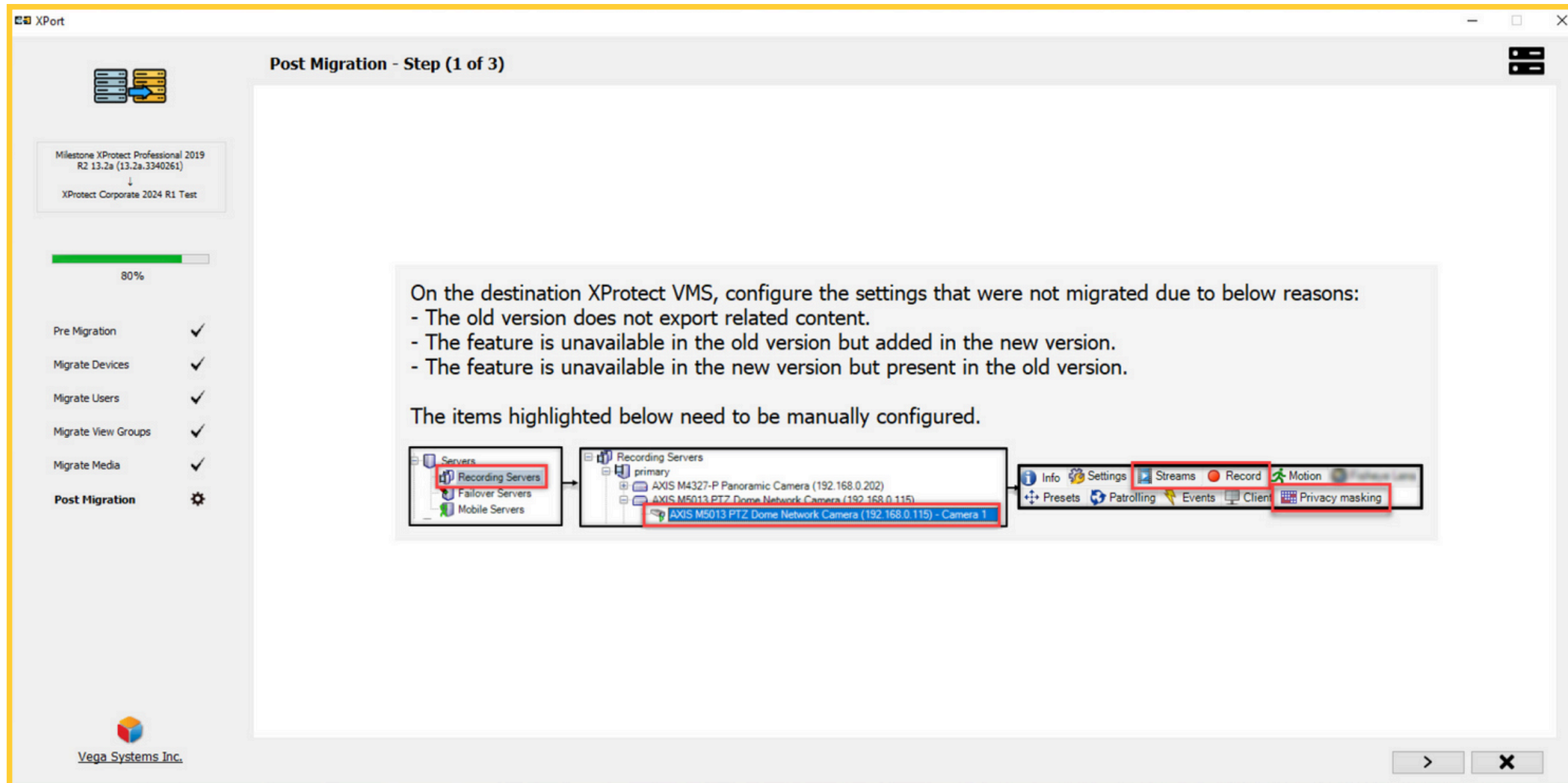
Source ViewGroups: A tree view showing a hierarchy of view groups. The root is "00000000-1111-2222-3333-444444444444", which contains a "Default Group" (with "New View (1 + 4 PW)" and "Default View") and a "dh" group (with "New View (1 + 2 P)"). Below this is another root "083F3798-BAE9-4C29-A0D8-DF9D86ADC297" containing a "New Group" (with "12", "New View (4 x 1)", and "New View (1 + 1)") and another "New Group (2)" (with "New View (1 x 3)"). The final root is "399C0813-EE30-4E12-9D17-763A718ADD71" containing a "New Group" (with "New View (2 x 2)").

Destination ViewGroups: A tree view showing a hierarchy of view groups. The root is "R1(Basic)", which contains "R2", which in turn contains "Administrators".

Migrate View Groups: A window showing the migration progress. It features a progress bar at 60% and a list of migration tasks with checkboxes for "Pre Migration", "Migrate Devices", "Migrate Users", "Migrate View Groups", and "Post Migration". A table below shows the migration results:

ViewGroups	Progress	Status	Result
R2	<div style="width: 60%;"></div>	ViewGroup subgroups completed	✓

Manually configure certain device parameters



Post Migration - Step (1 of 3)

Milestone XProtect Professional 2019 R2 13.2a (13.2a.3340261)
 ↓
 XProtect Corporate 2024 R1 Test

80%

- Pre Migration ✓
- Migrate Devices ✓
- Migrate Users ✓
- Migrate View Groups ✓
- Migrate Media ✓
- Post Migration ⚙️

On the destination XProtect VMS, configure the settings that were not migrated due to below reasons:

- The old version does not export related content.
- The feature is unavailable in the old version but added in the new version.
- The feature is unavailable in the new version but present in the old version.

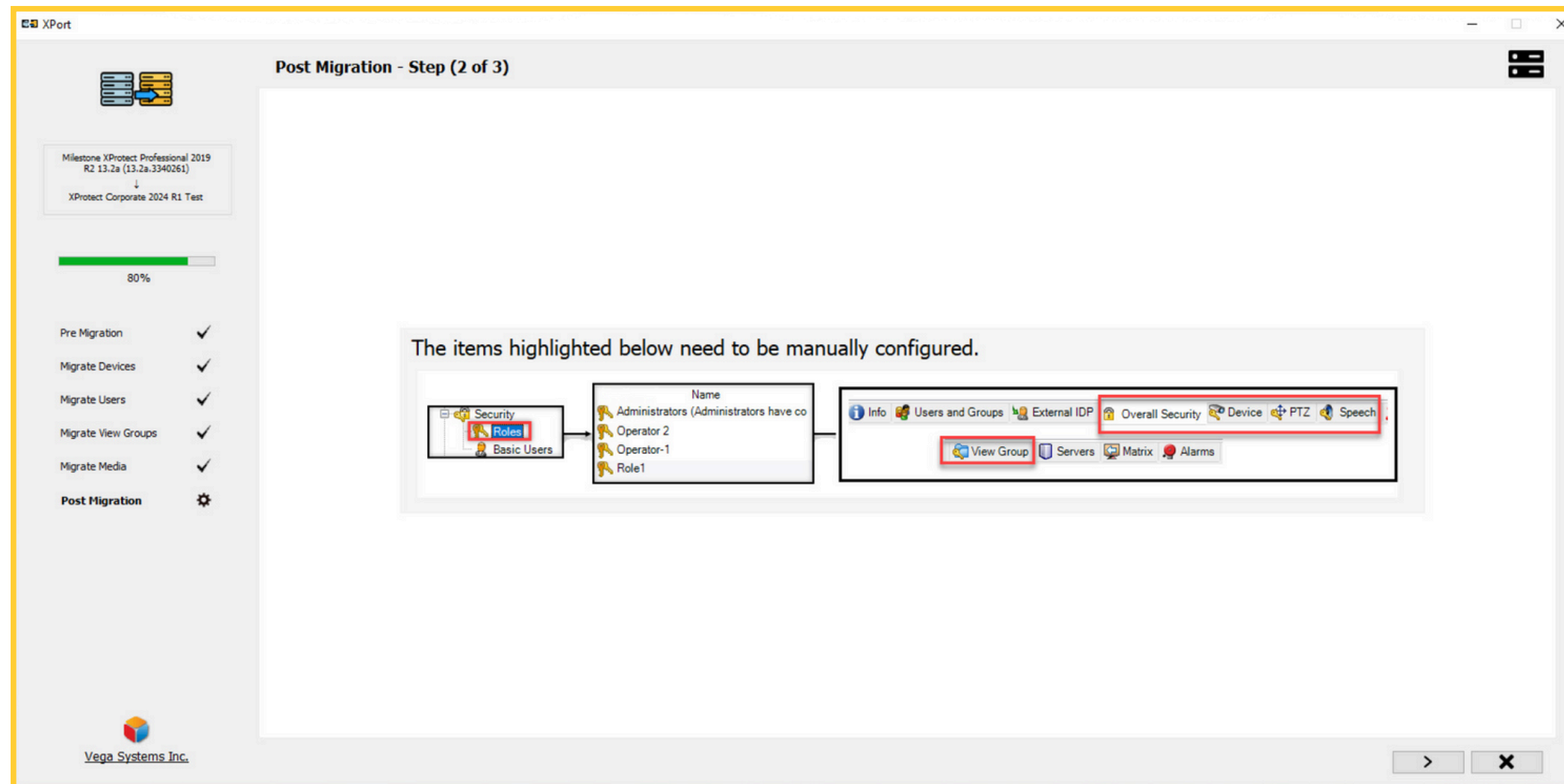
The items highlighted below need to be manually configured.

Servers → Recording Servers → primary → AXIS M4327-P Panoramic Camera (192.168.0.202)
 → AXIS M5013 PTZ Dome Network Camera (192.168.0.115) - Camera 1

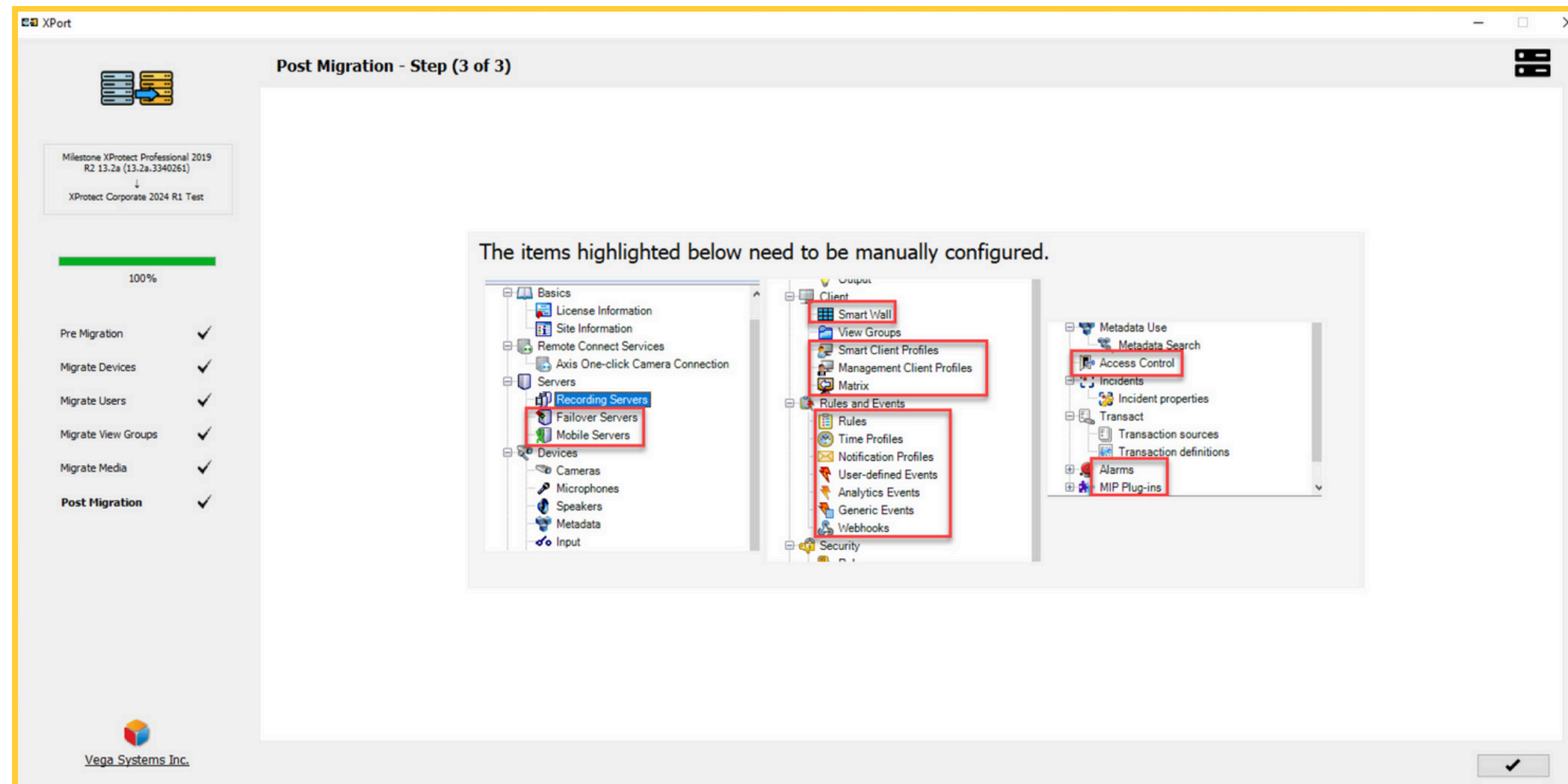
Info Settings Streams Record Motion
 Presets Patrolling Events Client Privacy masking

Vega Systems Inc.

Manually configure certain role parameters



Manually configure other parameters





Migration between newer XProtect flavors

Professional+, Corporate, Expert



Work flow in this section corresponds to this choice

XPort

Connect to Sites

Destination Management Server

Server:

Authentication:

Username:

Password:

Remember Password

Source Management Server

Server:

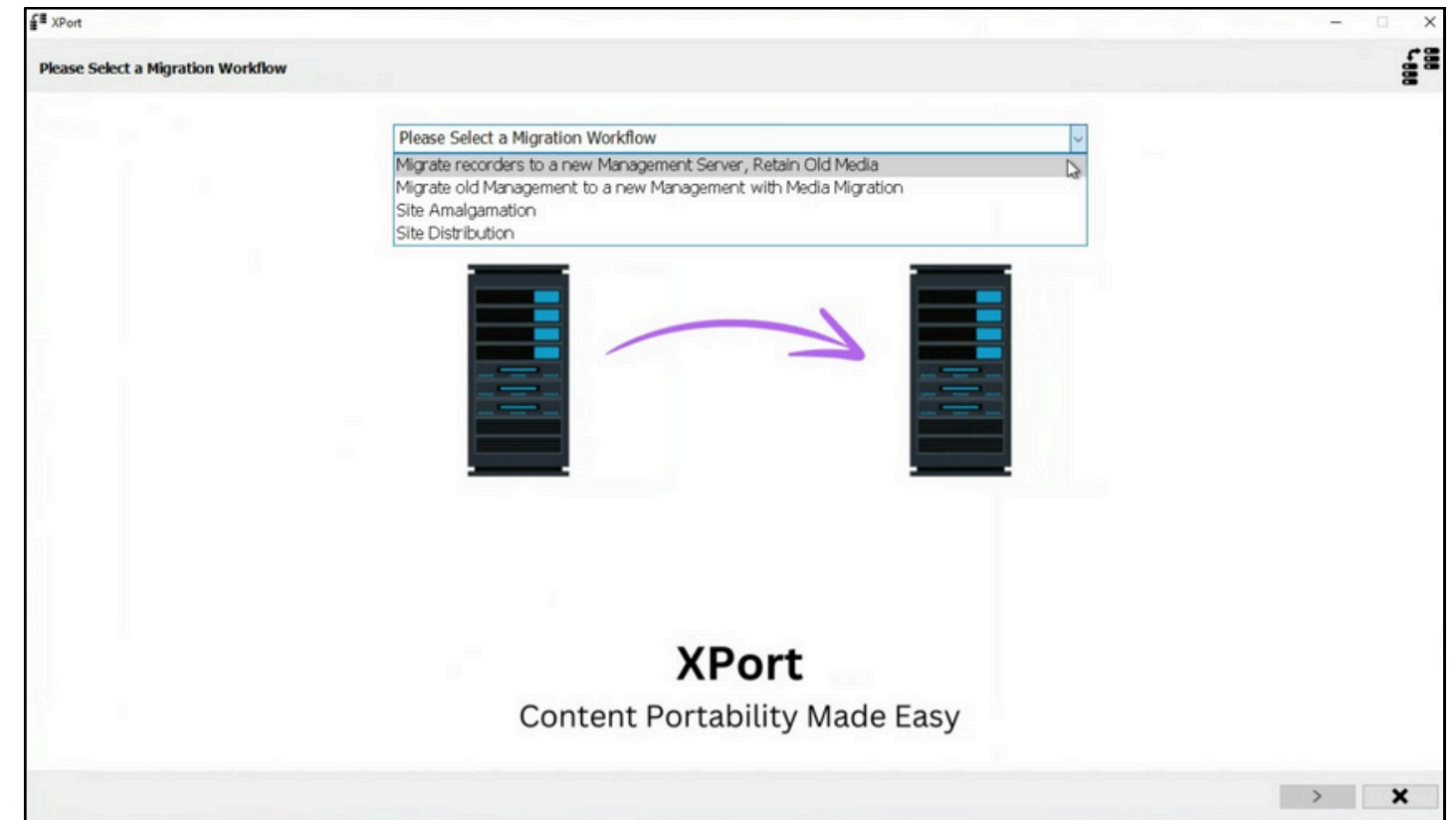
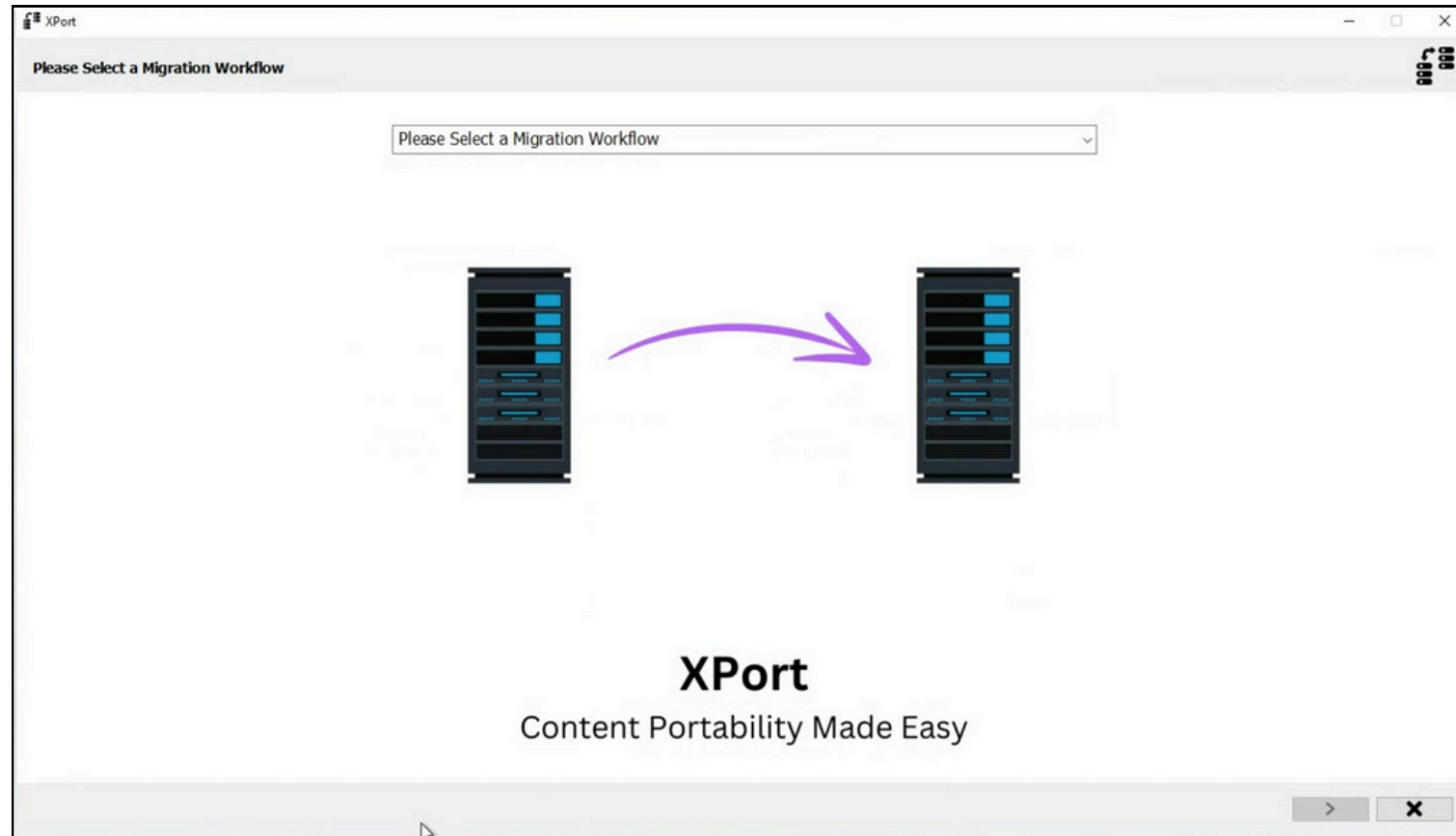
Authentication:

Username:

Password:

Remember Password

Login

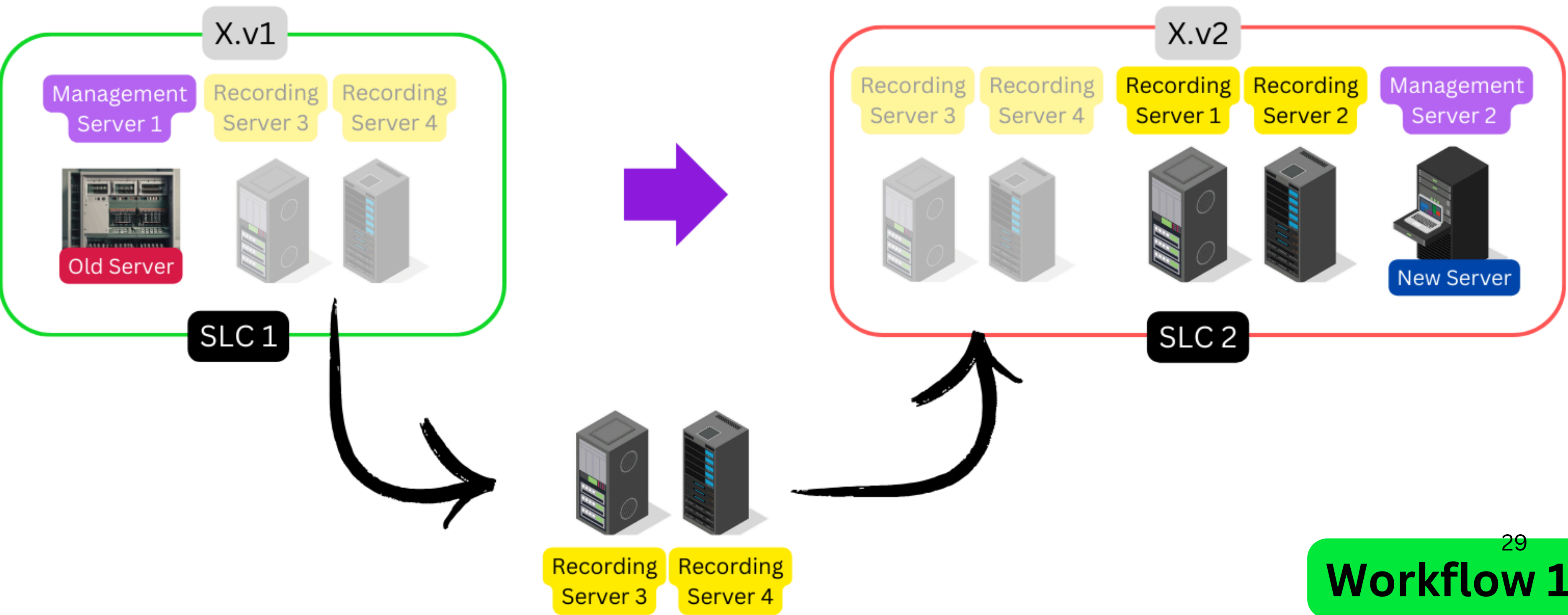


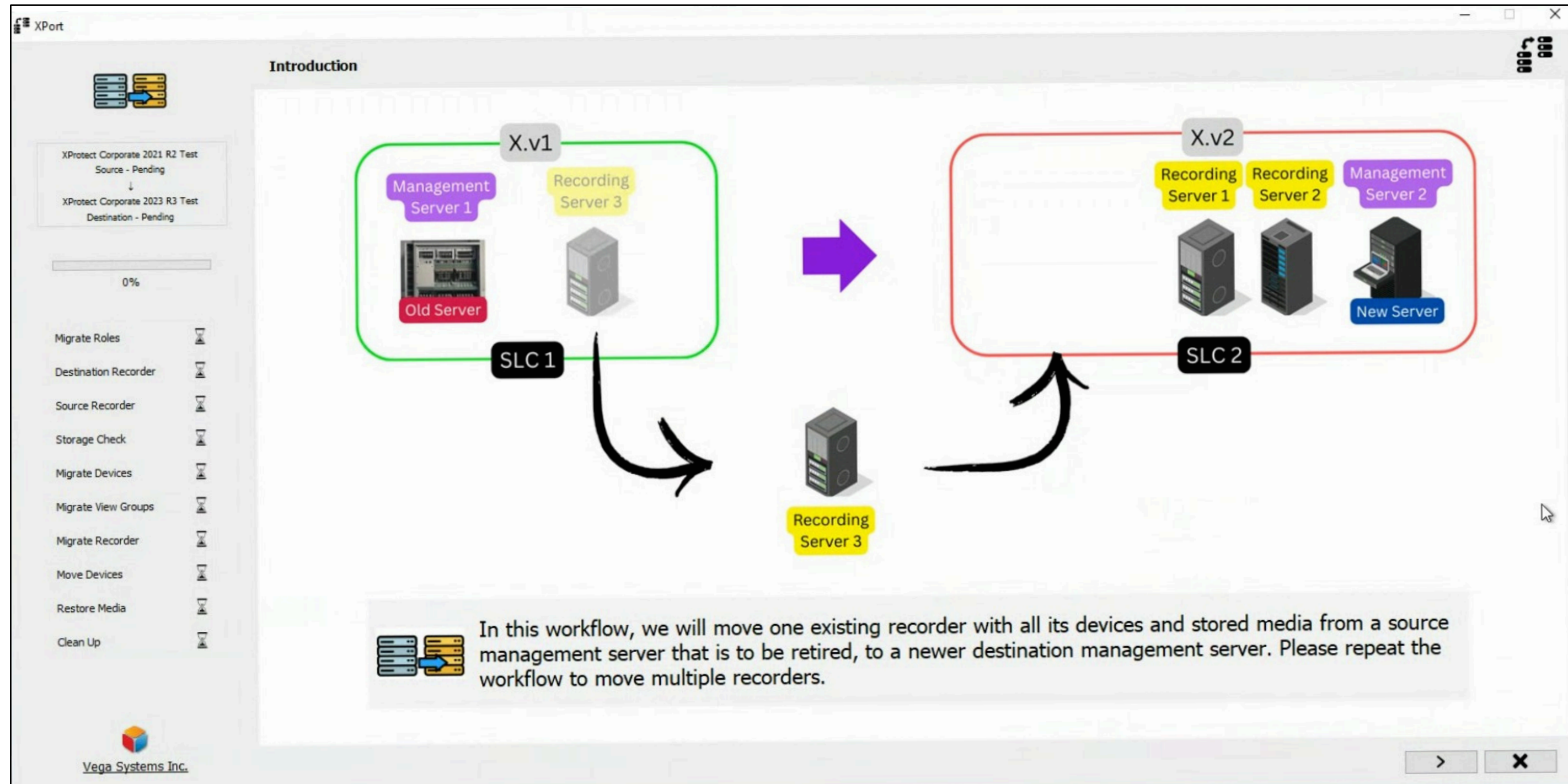
Choose Migration Workflow

Retire an old
Management Server,
Move Recorders to a
newer Server and
retain Media database

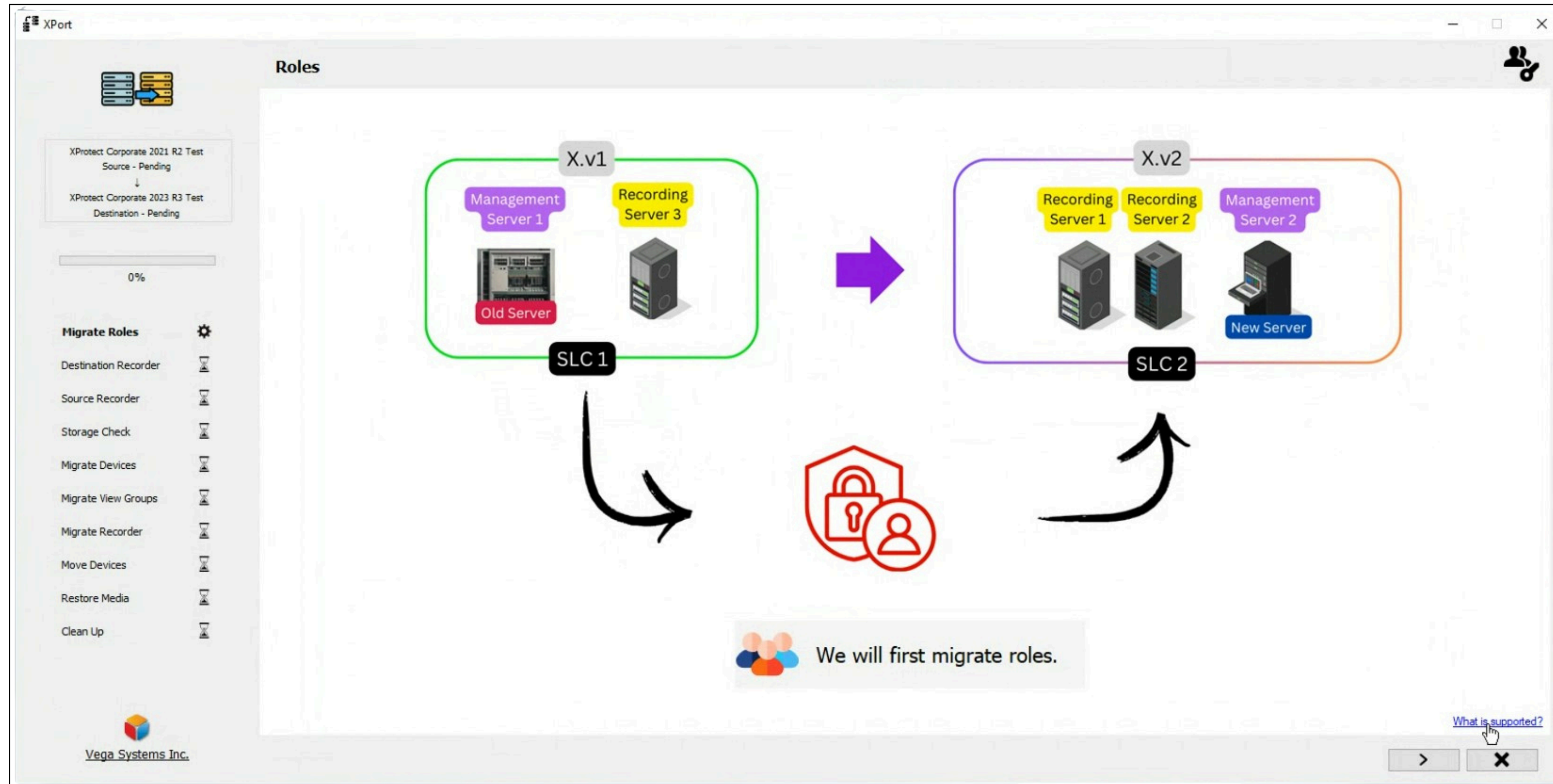


Retire an Old Management Server, Migrate Recorders to a New Management Server, Retain Old Media



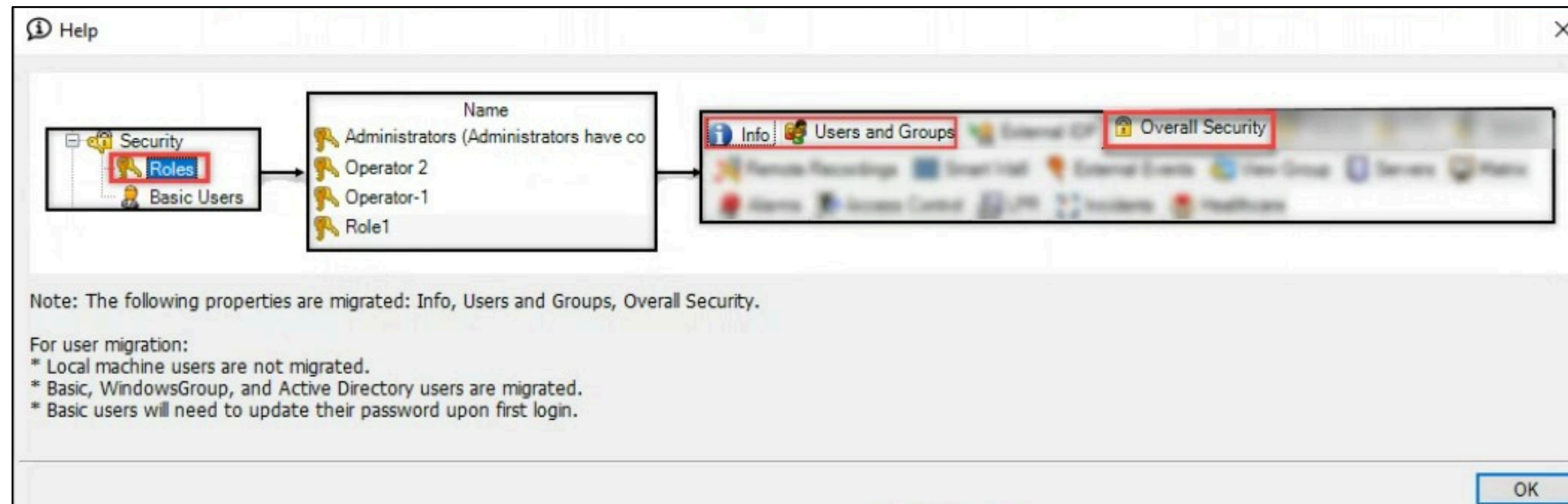


Introductory Information



Role Migration

[What is supported?](#)



The screenshot shows a 'Help' dialog box with the following content:

- Left Panel:** A tree view under 'Security' with 'Roles' and 'Basic Users' highlighted.
- Center Panel:** A table with the following data:

Name
Administrators (Administrators have co
Operator 2
Operator-1
Role1
- Right Panel:** A taskbar showing 'Info', 'Users and Groups', and 'Overall Security' highlighted.

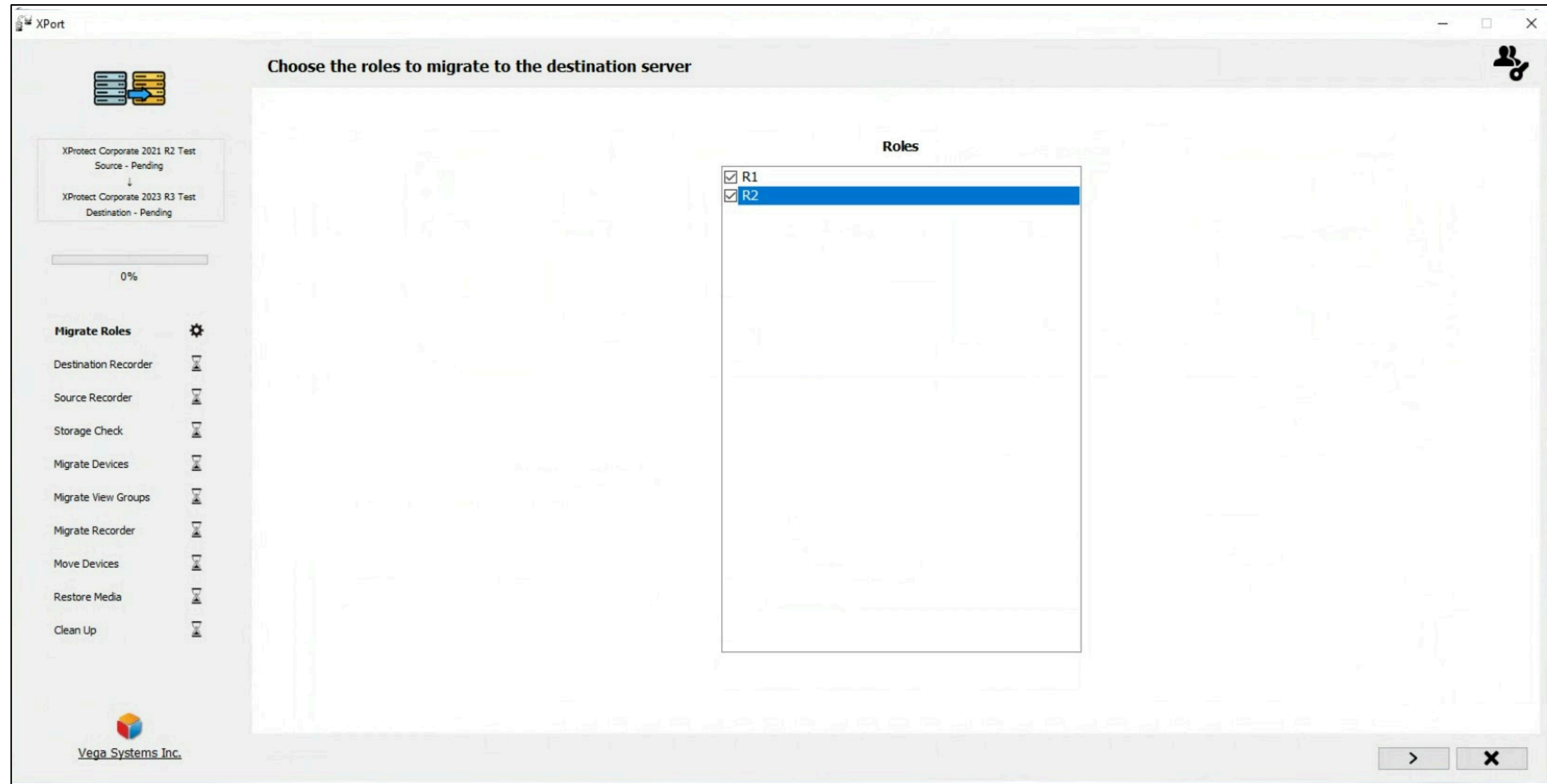
Note: The following properties are migrated: Info, Users and Groups, Overall Security.

For user migration:

- * Local machine users are not migrated.
- * Basic, WindowsGroup, and Active Directory users are migrated.
- * Basic users will need to update their password upon first login.

OK

What is supported?



Choose Roles To Migrate

XPort

Migrate Roles

XProtect Corporate 2021 R2 Test Source - Pending

↓

XProtect Corporate 2023 R3 Test Destination - Pending

0%

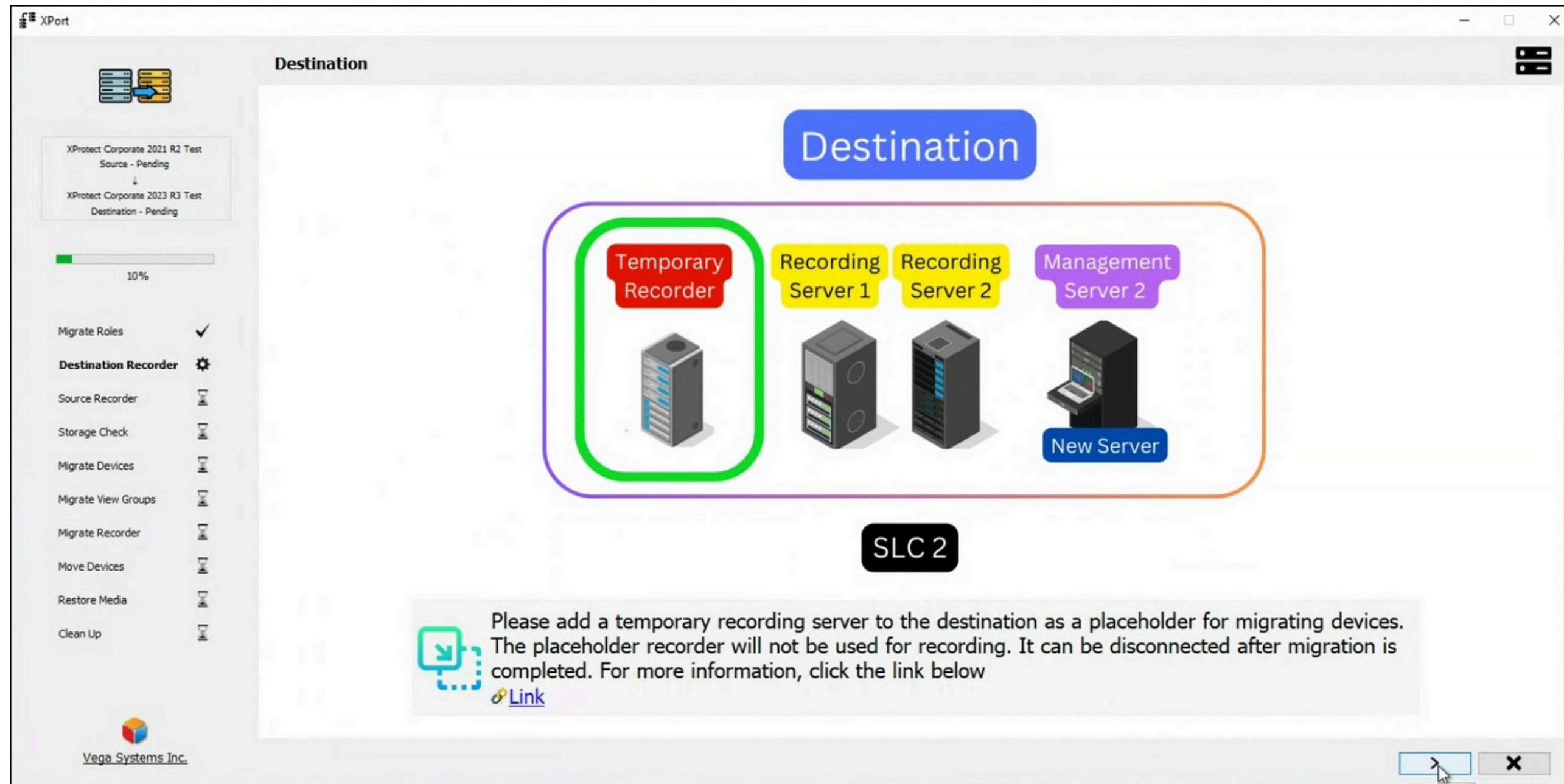
Migrate Roles ⚙️

- Destination Recorder ⏱️
- Source Recorder ⏱️
- Storage Check ⏱️
- Migrate Devices ⏱️
- Migrate View Groups ⏱️
- Migrate Recorder ⏱️
- Move Devices ⏱️
- Restore Media ⏱️
- Clean Up ⏱️

Roles	Progress	Status	Result
R1	<div style="width: 100%;"></div>	Role migration completed	✓
R2	<div style="width: 100%;"></div>	Role migration completed	✓

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Migrate to Destination Data Base



Destination

Destination

Temporary Recorder

Recording Server 1

Recording Server 2

Management Server 2

New Server

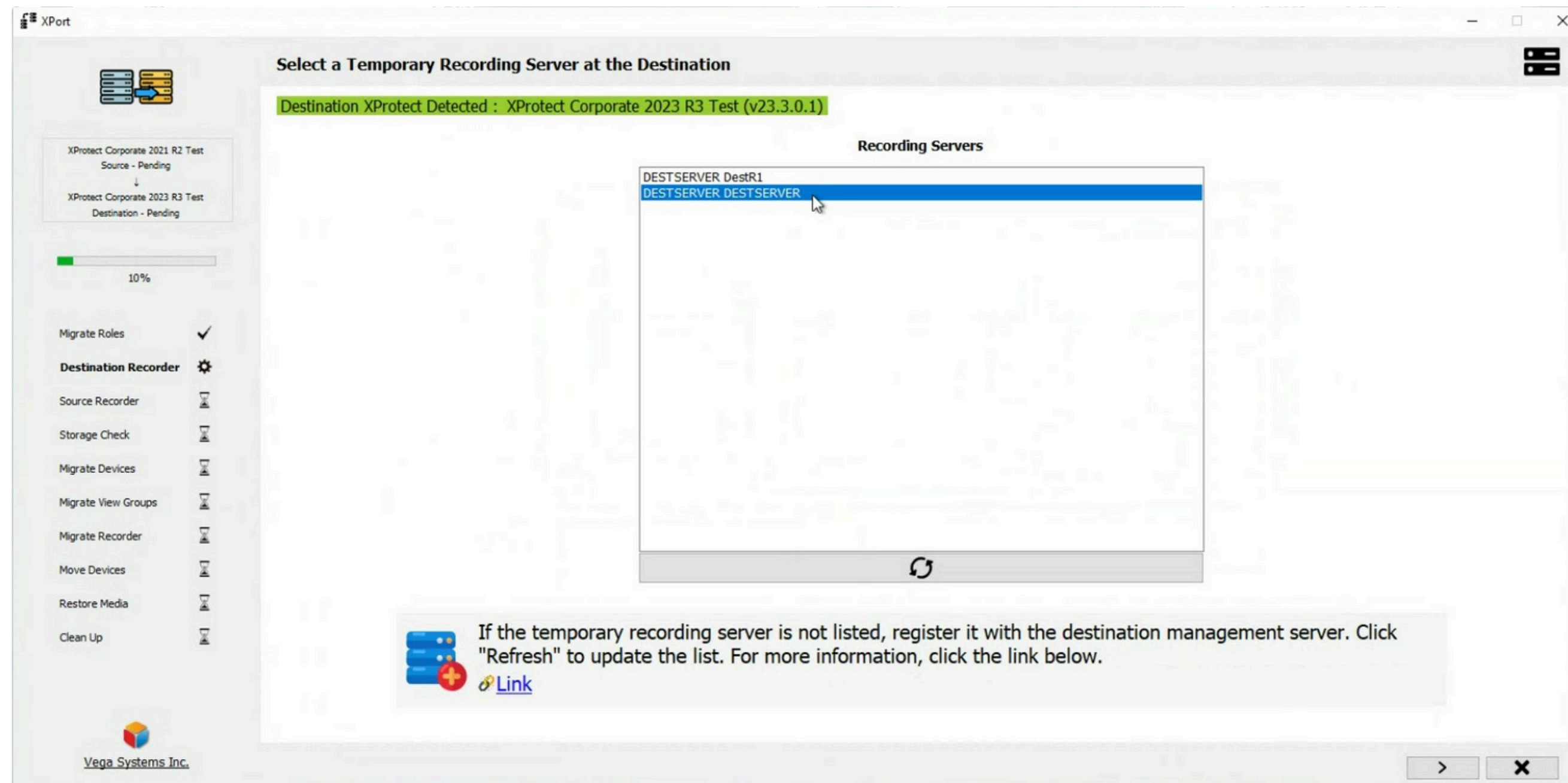
SLC 2

Please add a temporary recording server to the destination as a placeholder for migrating devices. The placeholder recorder will not be used for recording. It can be disconnected after migration is completed. For more information, click the link below

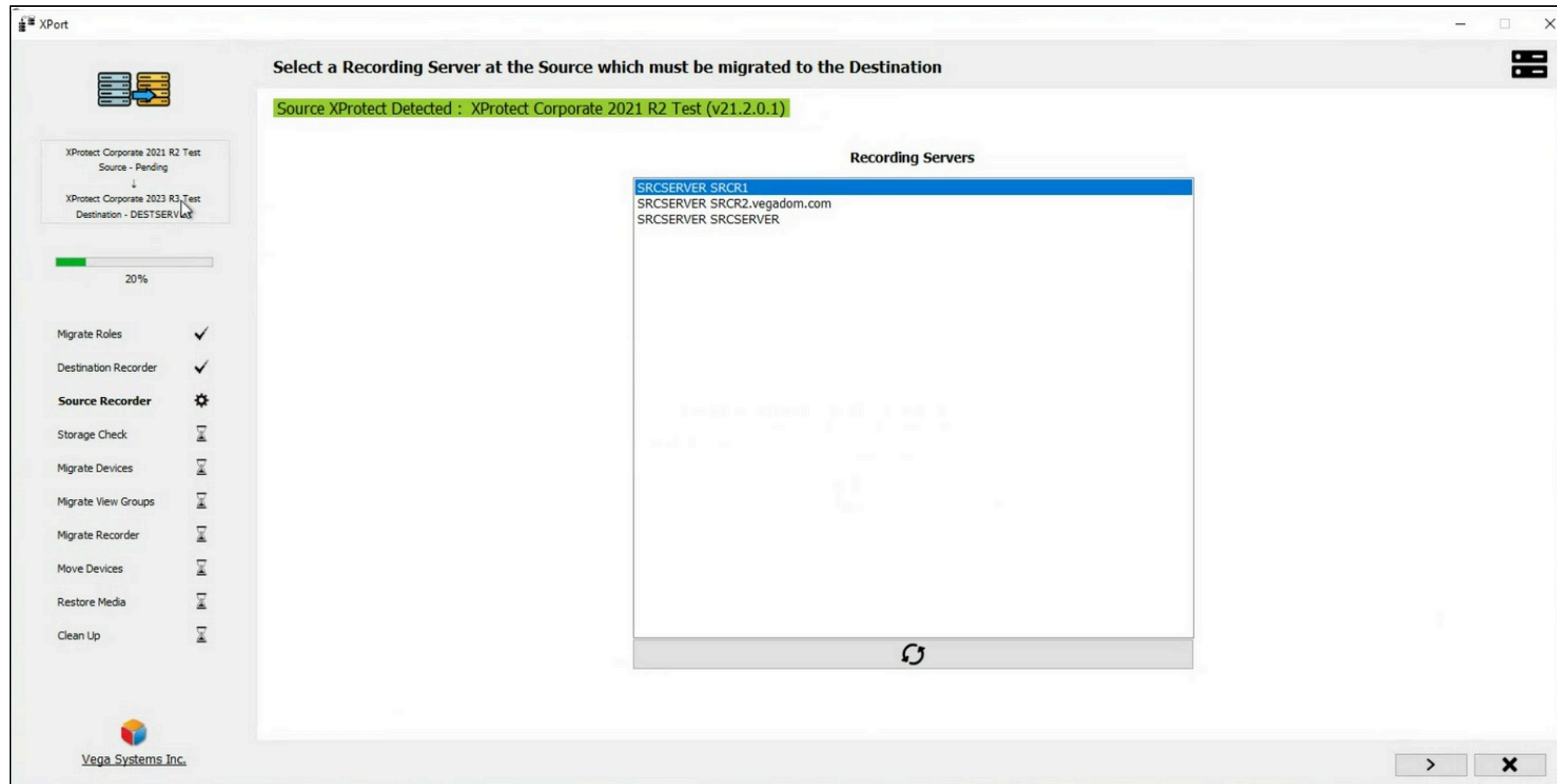
[Link](#)

Vega Systems Inc.

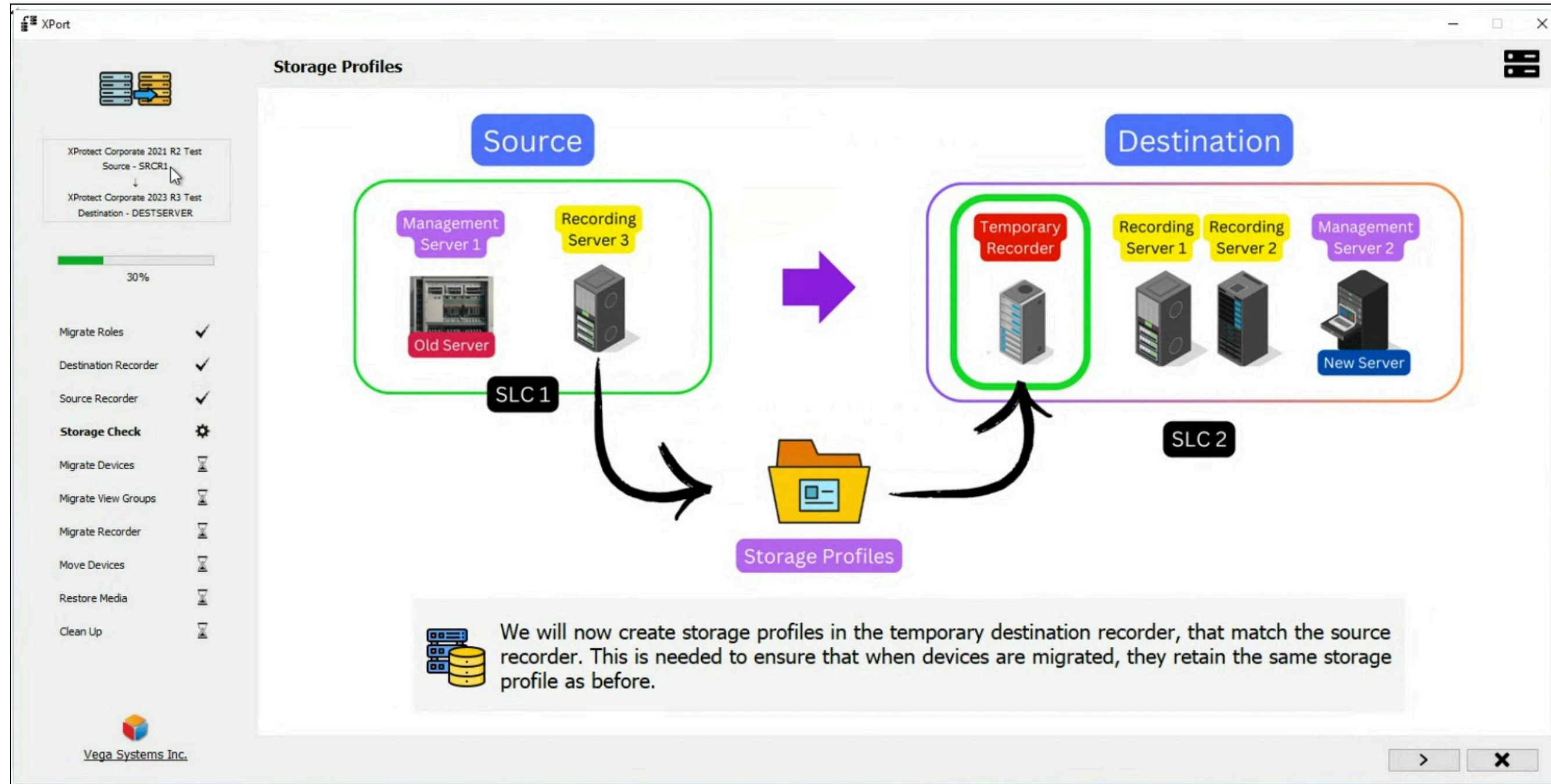
Add A Temporary Recorder at the Destination



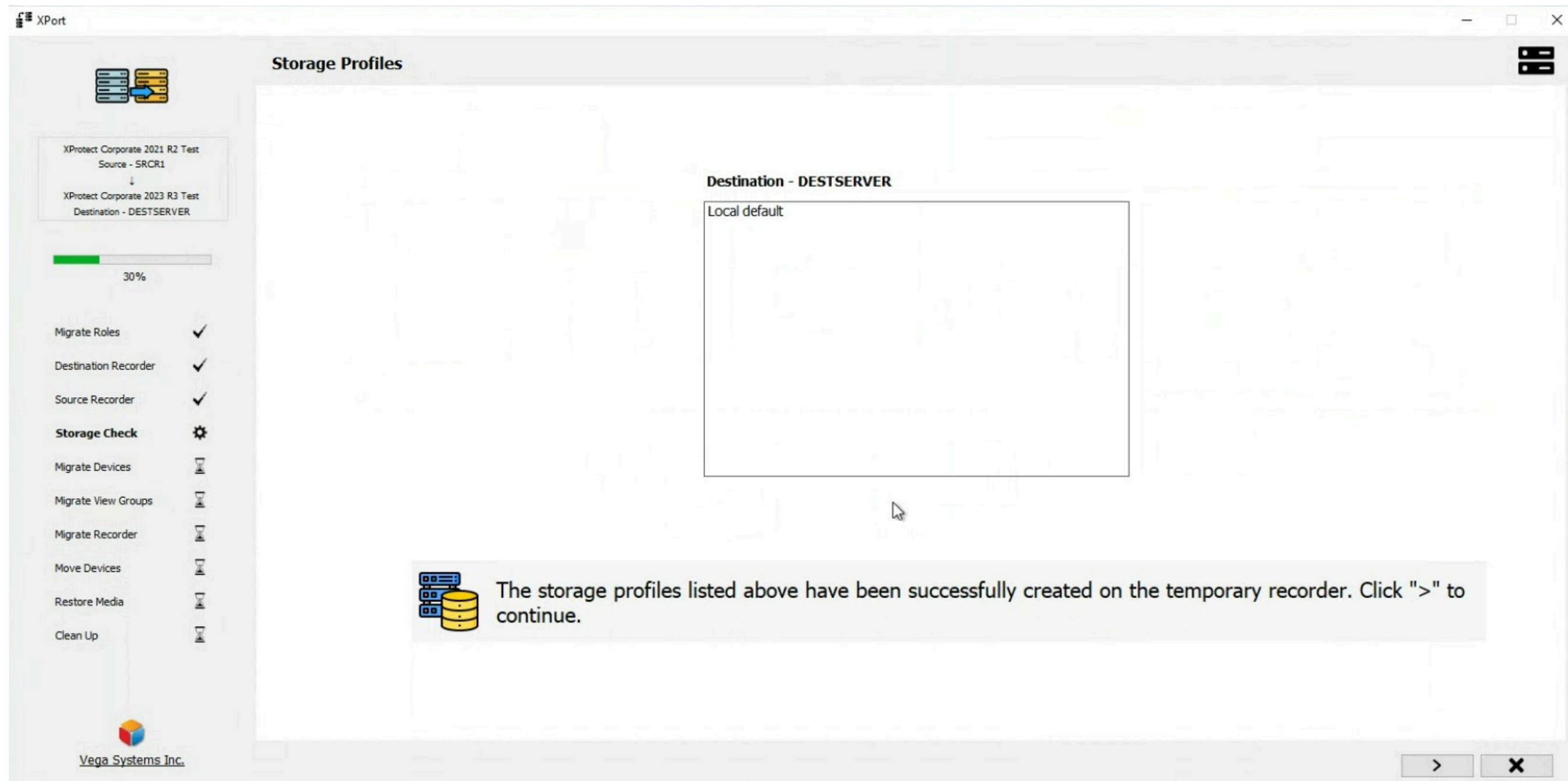
Select the Temporary Recorder



Select the First Source Recorder to Migrate



Migrate Source Recorders' Storage Profiles



Migrate to the Temporary Recorder

XPort

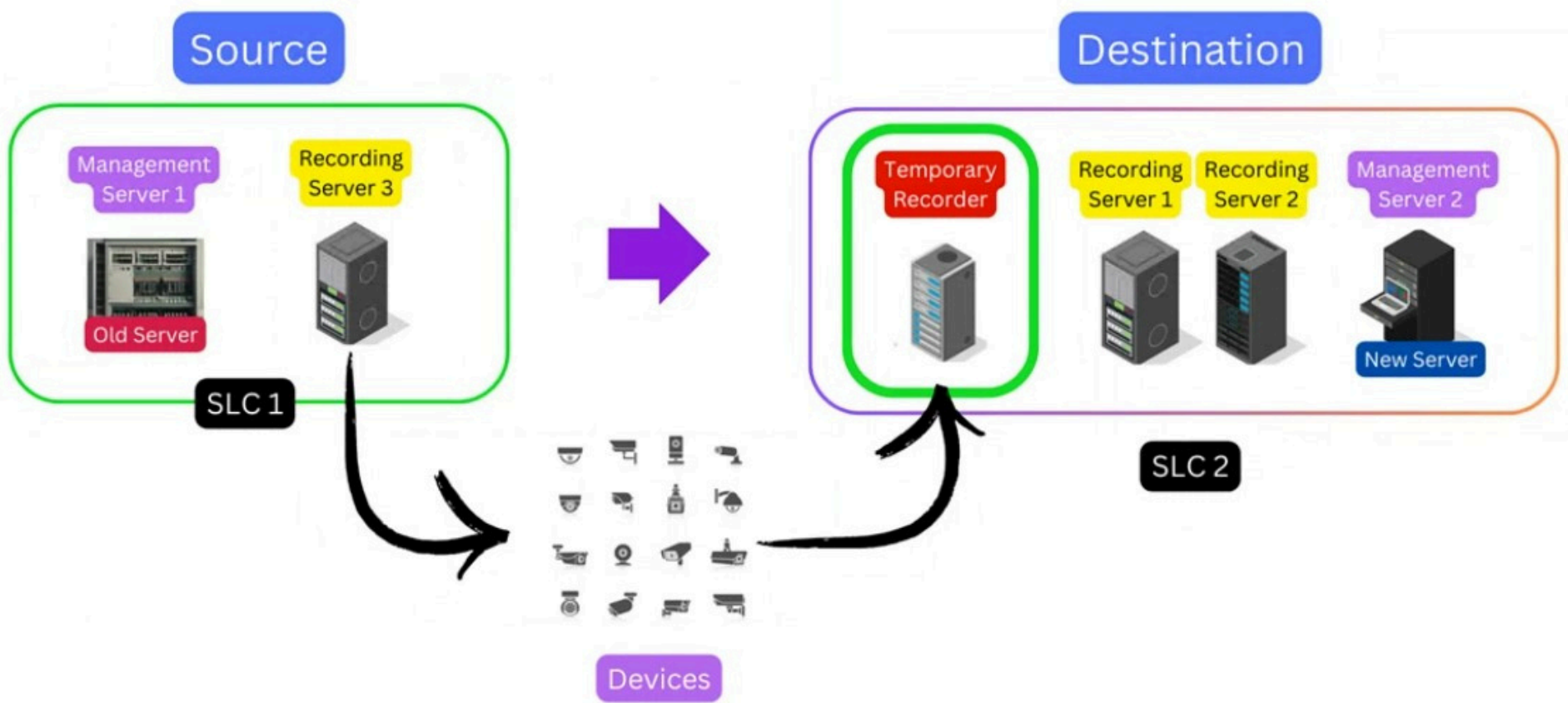
Check Source Server

XProtect Corporate 2021 R2 Test
Source - SRCR1

XProtect Corporate 2023 R3 Test
Destination - DESTSERVER

40%

- Migrate Roles ✓
- Destination Recorder ✓
- Source Recorder ✓
- Storage Check ✓
- Migrate Devices** ⚙️
- Migrate View Groups ⌛
- Migrate Recorder ⌛
- Move Devices ⌛
- Restore Media ⌛
- Clean Up ⌛



Source

Destination

SLC 1

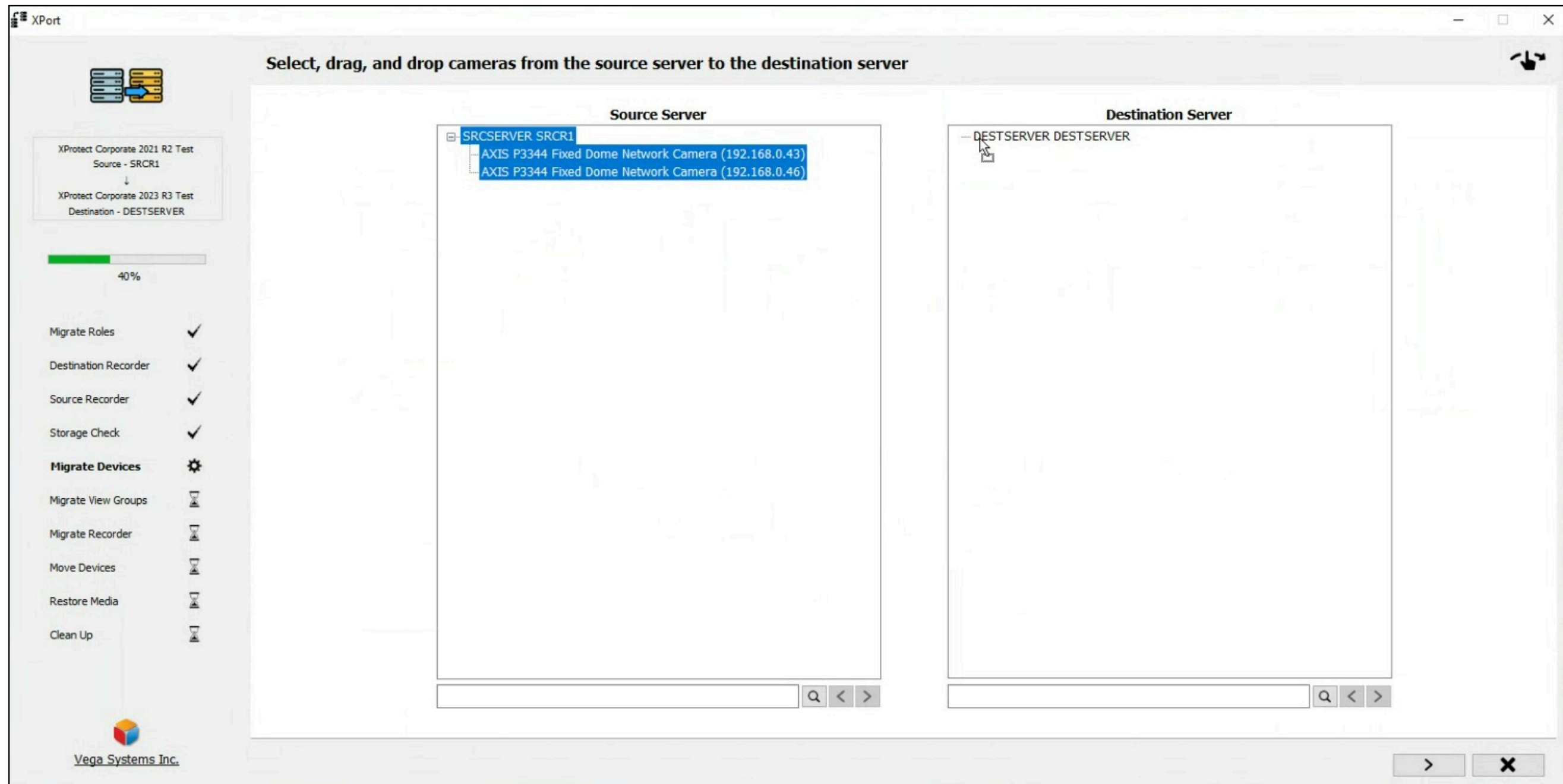
SLC 2

Devices

Next, we will display a list of devices on the source recording server. Please select the devices you wish to migrate.

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Devices



Select, Drag & Drop

Choose Category

Select the properties to synchronize during device migration process

Recording Servers

Hardware Settings

Overall Camera Settings Sync

Overall Hardware Settings Sync

Camera Info

Hardware Info

Record

Settings

Patrolling

Client Settings

Settings

Motion

Fish Eye Lens

Events

Streams

Presets

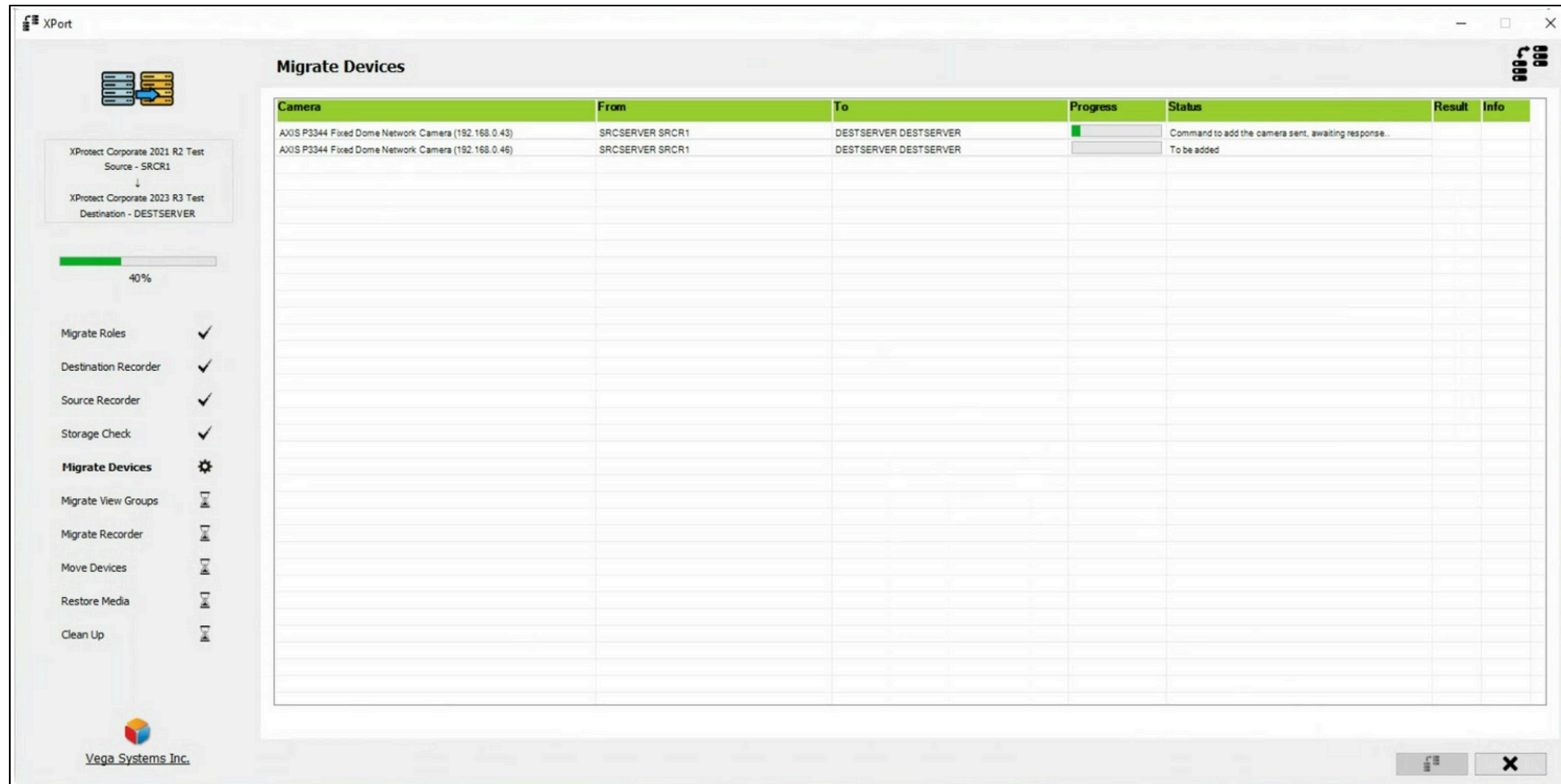
Privacy Masking

PTZ

External recording device

Settings here correspond to:

Select Migration Properties



Migrate Devices

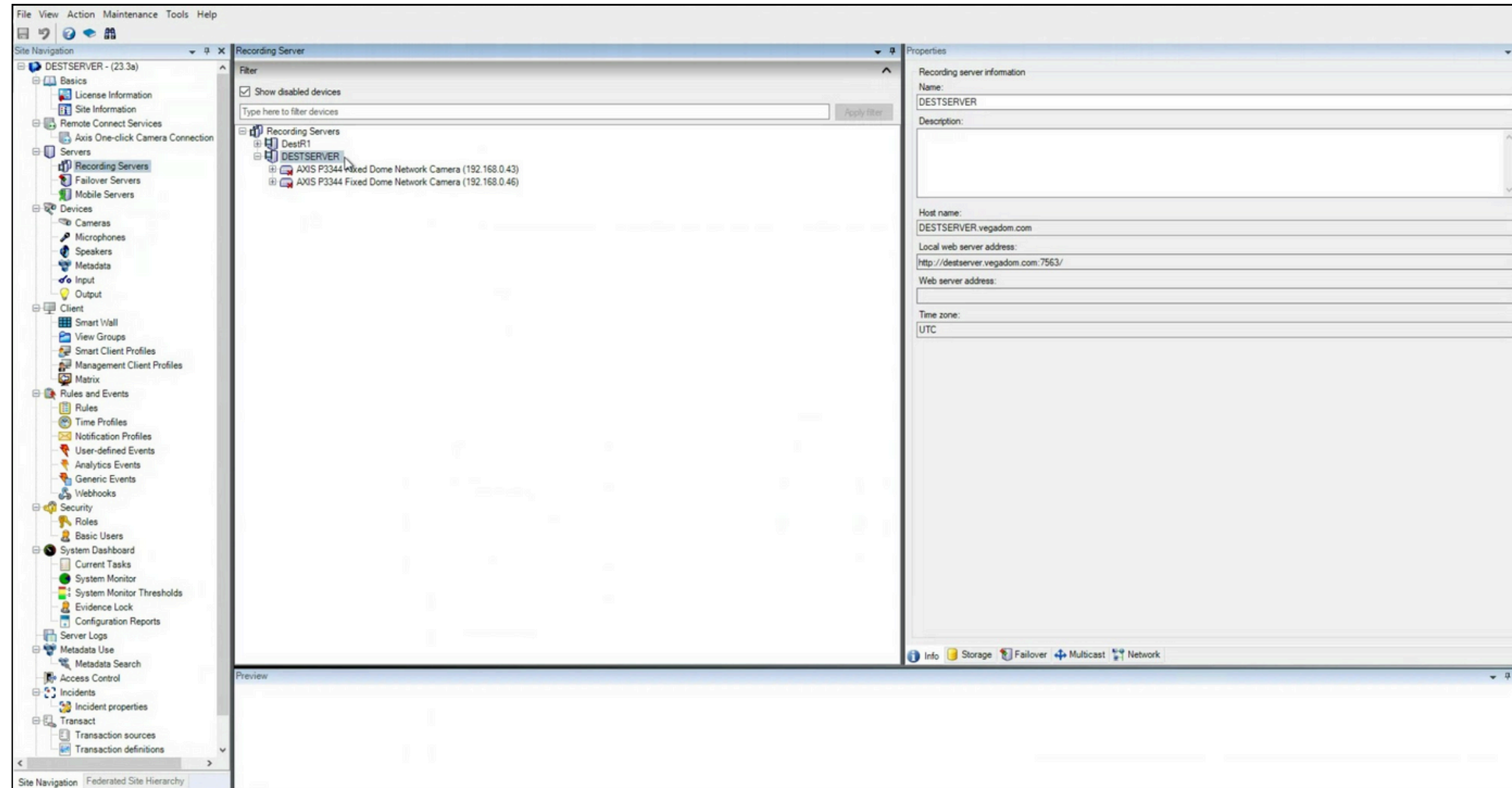
Camera	From	To	Progress	Status	Result	Info
AXIS P3344 Fixed Dome Network Camera (192.168.0.43)	SRCSERVER SRCR1	DESTSERVER DESTSERVER	<div style="width: 10%;"></div>	Command to add the camera sent, awaiting response..		
AXIS P3344 Fixed Dome Network Camera (192.168.0.46)	SRCSERVER SRCR1	DESTSERVER DESTSERVER	<div style="width: 0%;"></div>	To be added		

40%

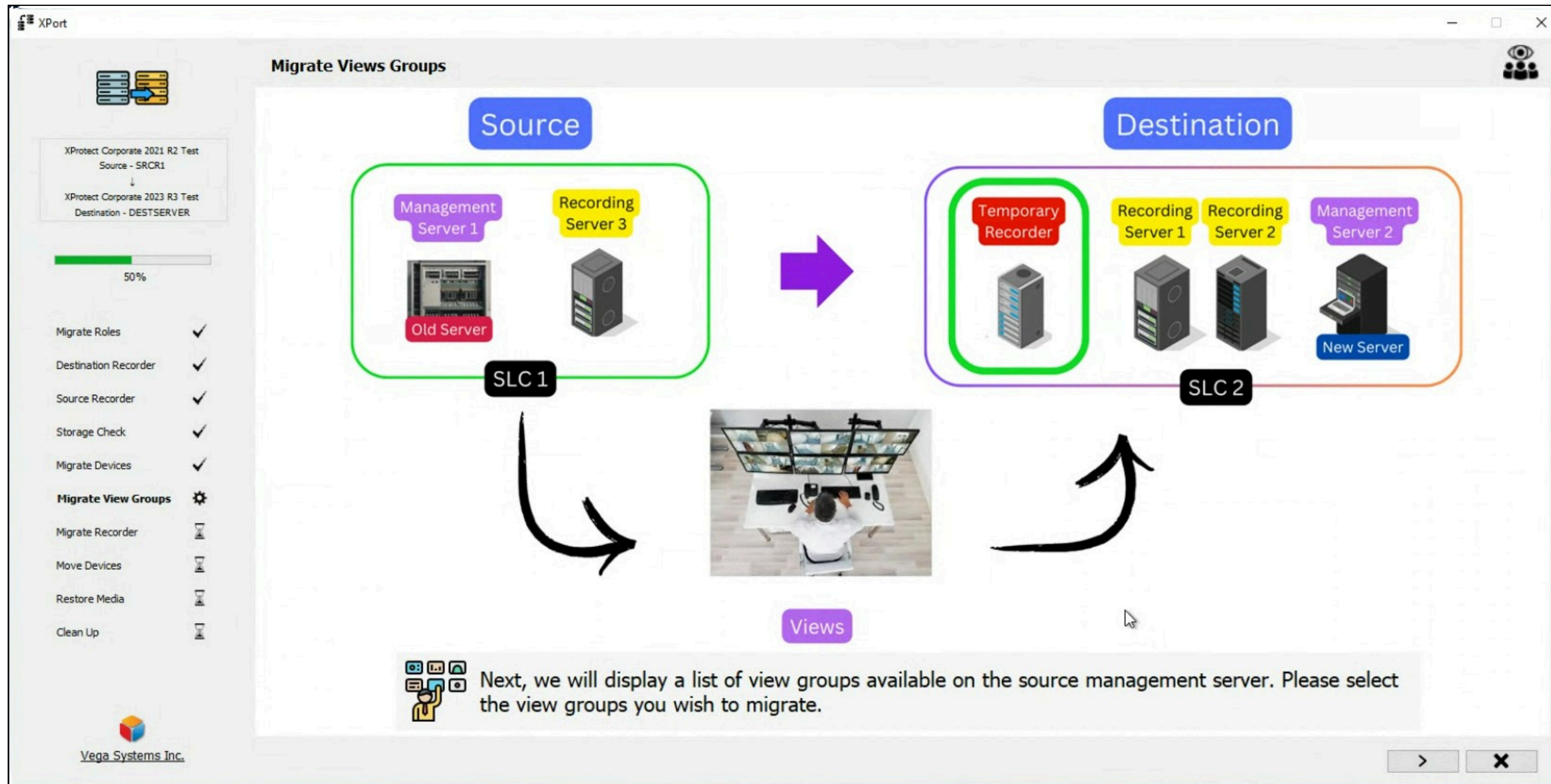
- Migrate Roles ✓
- Destination Recorder ✓
- Source Recorder ✓
- Storage Check ✓
- Migrate Devices** ⚙️
- Migrate View Groups ⌚
- Migrate Recorder ⌚
- Move Devices ⌚
- Restore Media ⌚
- Clean Up ⌚

Vega Systems Inc.

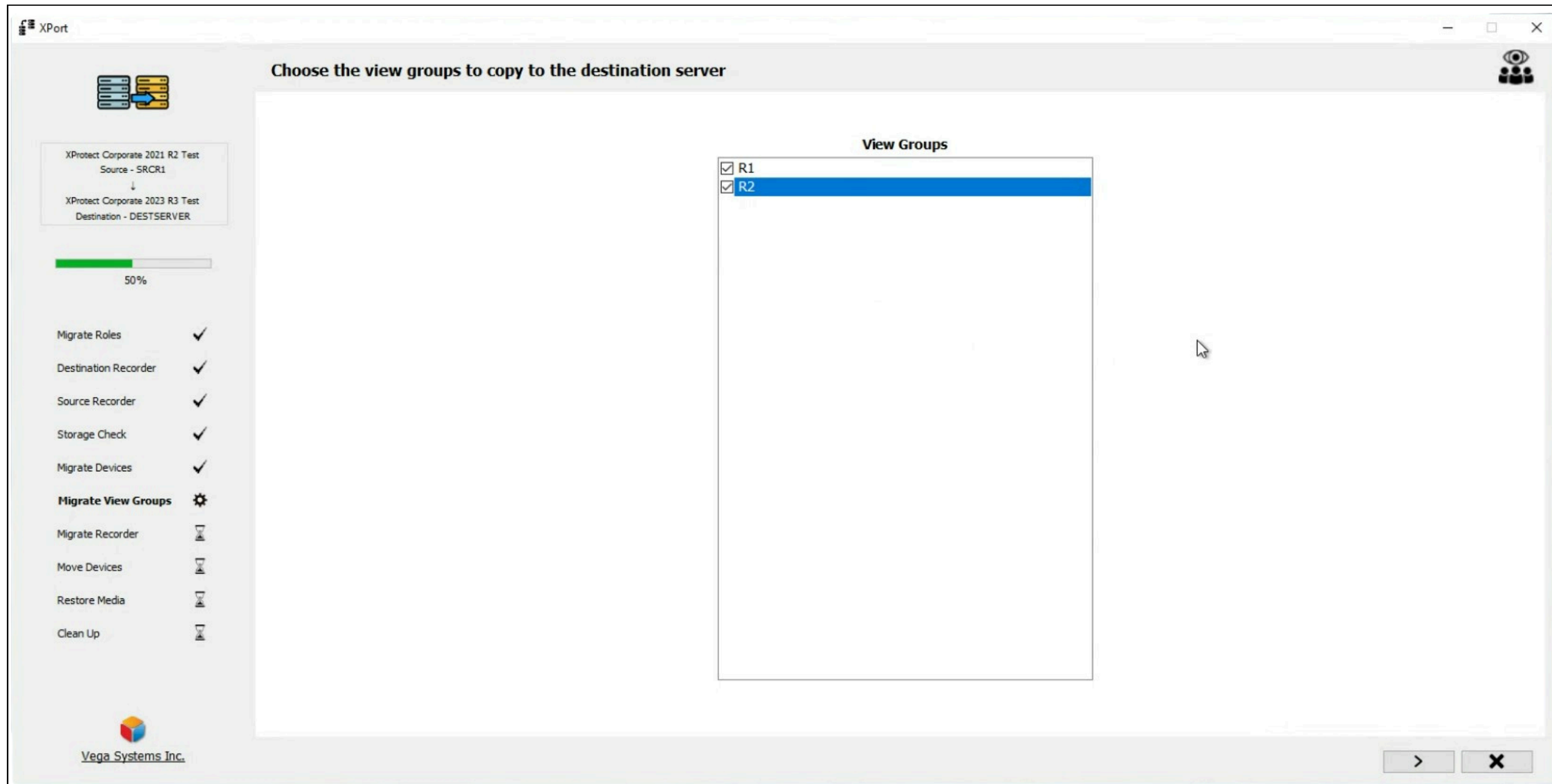
Migrate to the Temporary Recorder



Devices are copied in the Disabled State



View Groups



Select View Groups

The screenshot displays the XPort software interface for migrating view groups. On the left, a vertical menu lists various migration tasks, with 'Migrate View Groups' selected and highlighted with a gear icon. Above this menu, a progress bar shows 50% completion. The main workspace features a table titled 'Migrate View Groups' with the following data:

ViewGroups	Progress	Status	Result
R1	[Green progress bar]	ViewGroup subgroups completed	✓
R2	[Green progress bar]	ViewGroup subgroups completed	✓

Migrate to Destination Data Base

Migrate the Old Recording Server (Step 1/5)

Remove the old recording server from the source management server. Click ">" only after completing the above operation. Click the link below for more information.

[Link](#)

Administrator manual - XProtect® VMS 2024 R1

350 / 577 | 100% +

Remove a recording server

If you remove a recording server, all configuration specified in the Management Client is removed for the recording server, including all of the recording server's associated hardware (cameras, input devices, and so on).

1. Right-click the recording server you want to remove in the Overview pane.
2. Select **Remove Recording Server**.
3. If you are sure, click **Yes**.
4. The recording server and all of its associated hardware are removed.

Delete all hardware on a recording server

When you delete hardware, all recorded data related to the hardware is deleted permanently.

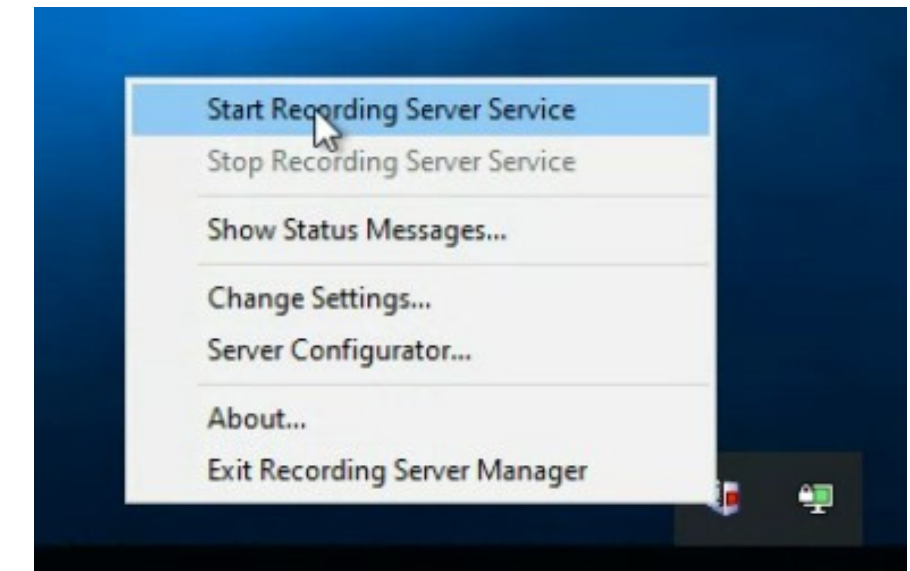
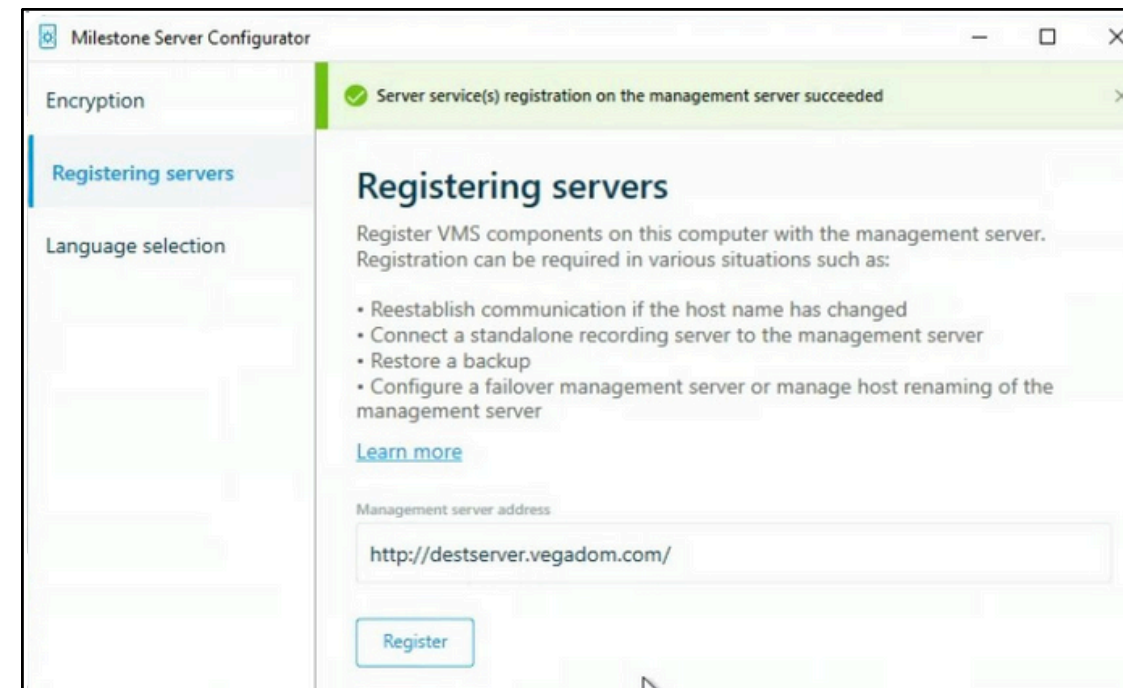
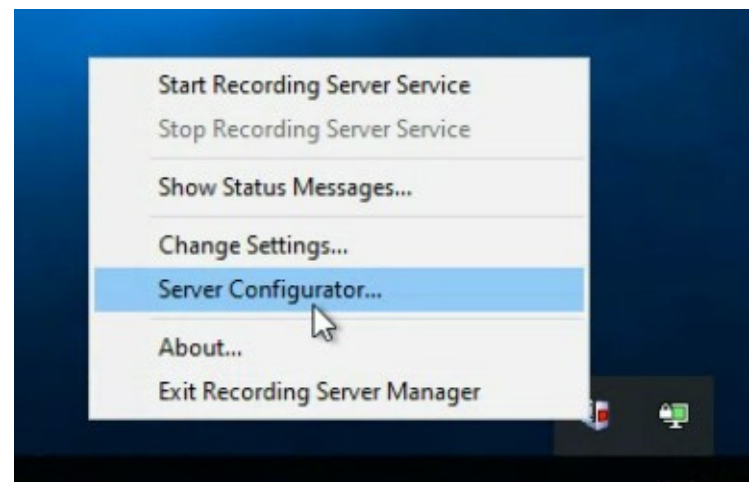
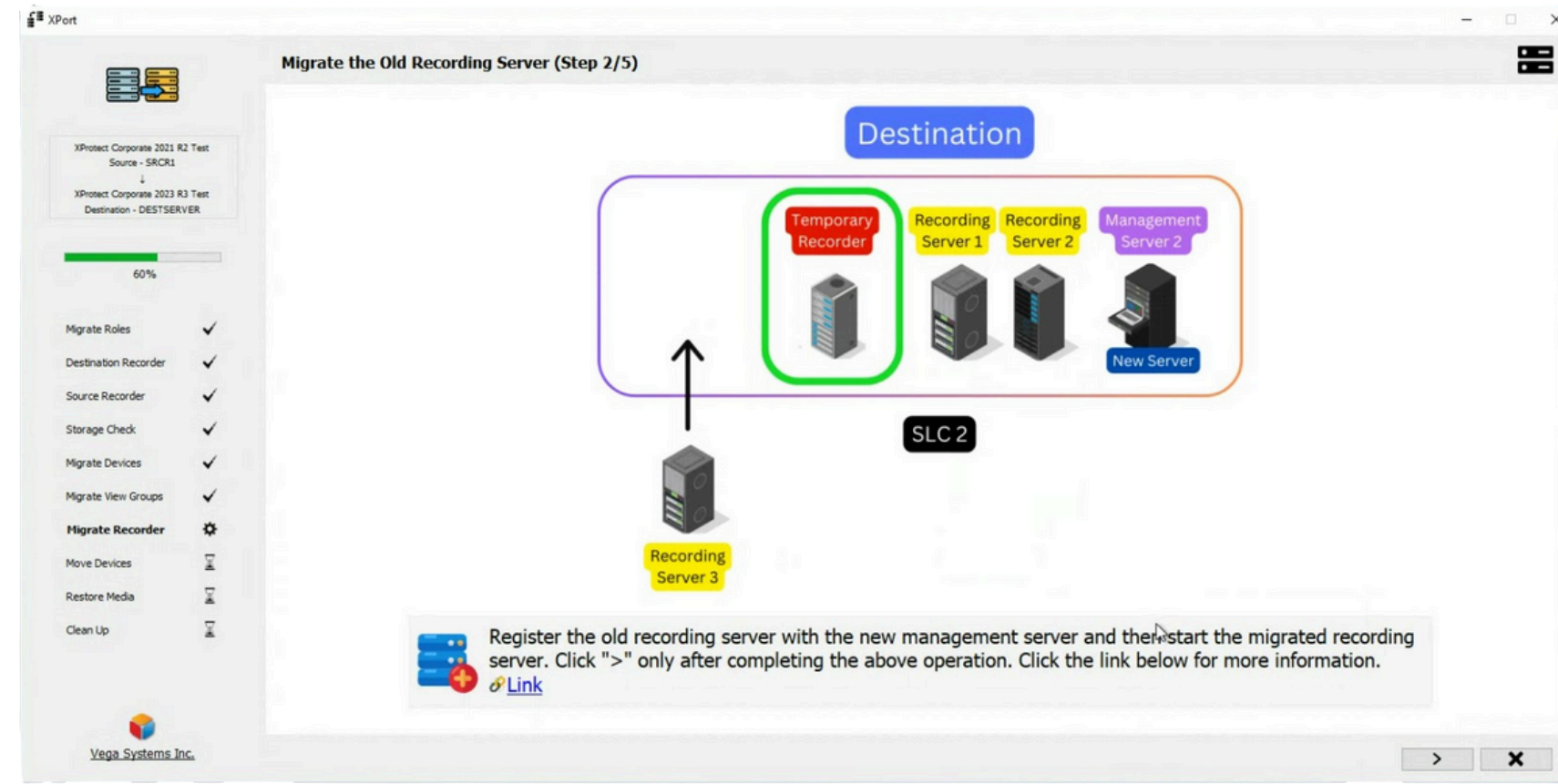
1. Right-click the recording server on which you want to delete all hardware.
2. Select **Delete All Hardware**.

Recording Servers

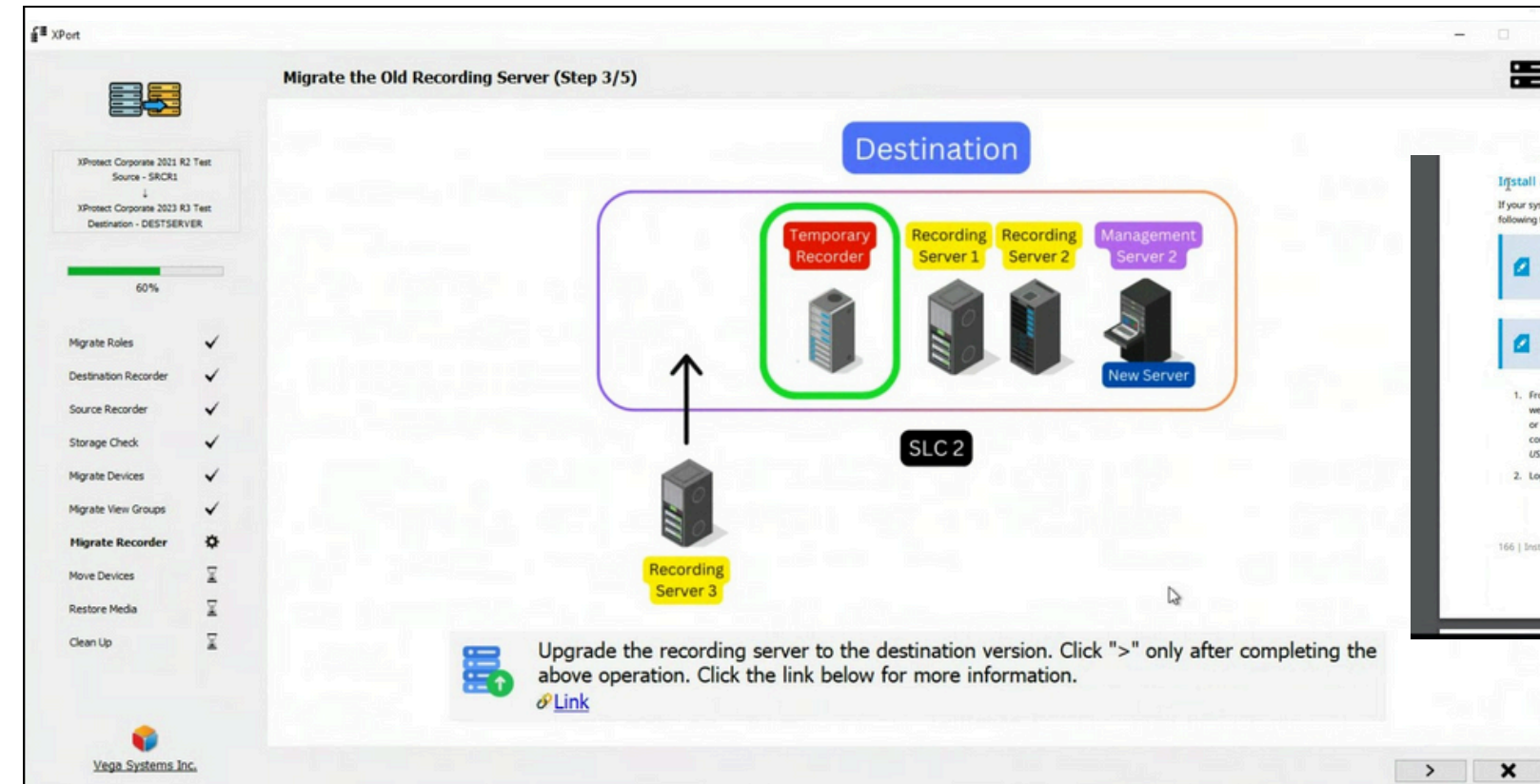
- SRCS1
- SRCS2
- SRCS3

Remove Recording Server (F2)

Detach Source Recorder



Attach Source Recorder to Destination



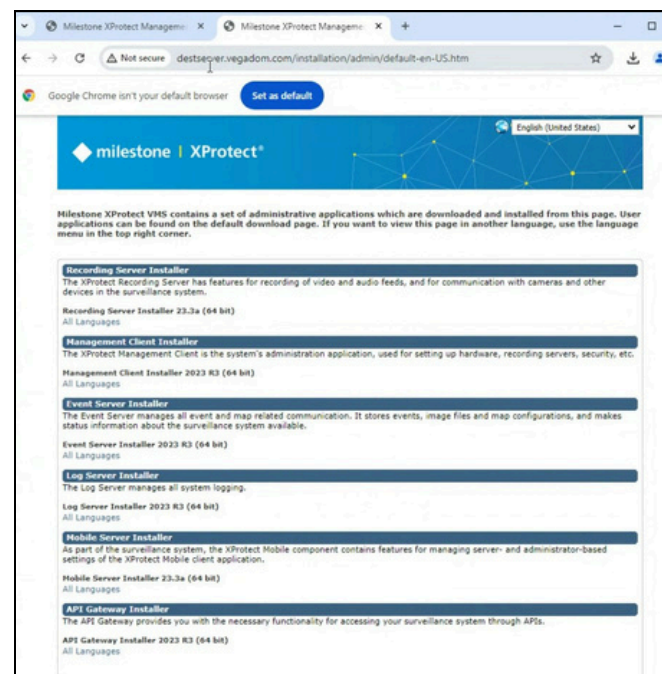
Install a recording server through Download Manager

If your system components are distributed on separate computers, you can install the recording servers by following the instructions below.

- The recording server is already installed if you made a Single Computer installation, but you can use the same instructions to add more recording servers if you need more capacity.
- If you need to install a failover recording server, see [Install a failover recording server through Download Manager on page 168](#).

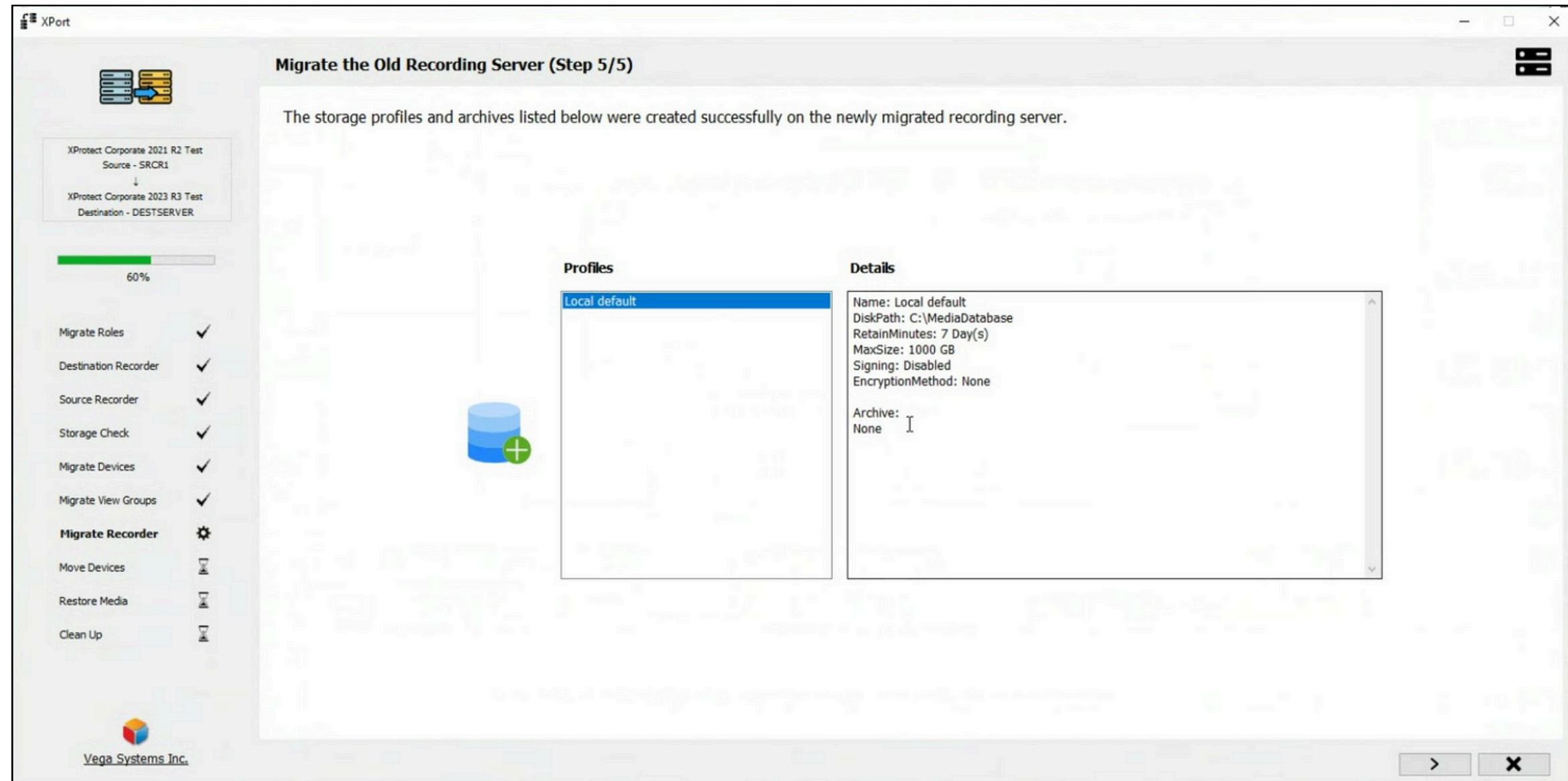
- From the computer where Management Server is installed, go to the Management Server's download web page. In Windows' Start menu, select Milestone > Administrative Installation Page and write down or copy the internet address for later use when installing the system components on the other computers. The address is typically `http://(management server address)/Installation/Admin/default-en-US.htm`.
- Log into the computer where you want to install the system component.

166 | Installation



Time	Message
10/02/2024 16:48:30	Recording server 'SRCR1' started.
10/02/2024 16:48:30	Starting rule processor
10/02/2024 16:48:30	Starting web server
10/02/2024 16:48:30	Initializing re-apply hardware settings manager
10/02/2024 16:48:30	Initializing live multicast processor
10/02/2024 16:48:30	Pipelines started
10/02/2024 16:48:30	Starting pipelines
10/02/2024 16:48:30	Remote recording manager started
10/02/2024 16:48:30	Starting remote recording manager
10/02/2024 16:48:28	Bank directory is available "Local default" (path: C:\MediaDatabase)

Upgrade Recorder Version, if needed



Storage Profiles are moved from the temporary recorder to the Migrated Recorder

XPort

Move cameras to migrated server

XProtect Corporate 2021 R2 Test
Source - SRCR1
↓
XProtect Corporate 2023 R3 Test
Destination - DESTSERVER

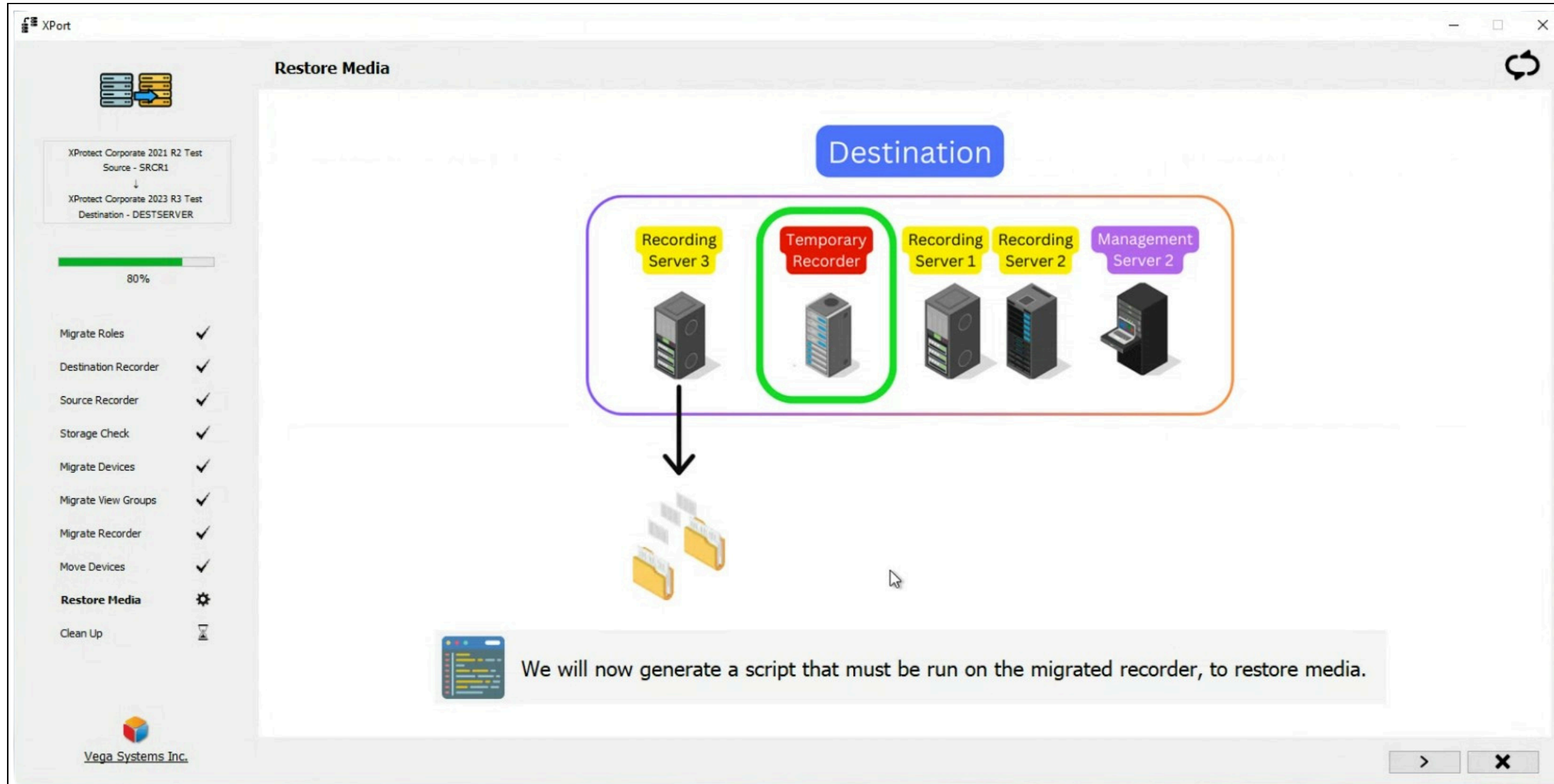
70%

- Migrate Roles ✓
- Destination Recorder ✓
- Source Recorder ✓
- Storage Check ✓
- Migrate Devices ✓
- Migrate View Groups ✓
- Migrate Recorder ✓
- Move Devices** ⚙️
- Restore Media ⌛
- Clean Up ⌛

Camera	From	To	Progress	Status	Result	Info
AXIS P3344 Fixed Dome Network Camera (192.168.0.43)	DESTSERVER DESTSERVER	DESTSERVER SRCR1	<div style="width: 70%;"></div>	Move started		
AXIS P3344 Fixed Dome Network Camera (192.168.0.46)	DESTSERVER DESTSERVER	DESTSERVER SRCR1	<div style="width: 0%;"></div>	To be moved		

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Devices are moved from the Temporary recorder to the Migrated Recorder



XPort

Restore Media

XProtect Corporate 2021 R2 Test Source - SRCR1
↓
XProtect Corporate 2023 R3 Test Destination - DESTSERVER

80%

- Migrate Roles ✓
- Destination Recorder ✓
- Source Recorder ✓
- Storage Check ✓
- Migrate Devices ✓
- Migrate View Groups ✓
- Migrate Recorder ✓
- Move Devices ✓
- Restore Media** ⚙️
- Clean Up ⌚

Recording Server 3

Temporary Recorder

Recording Server 1

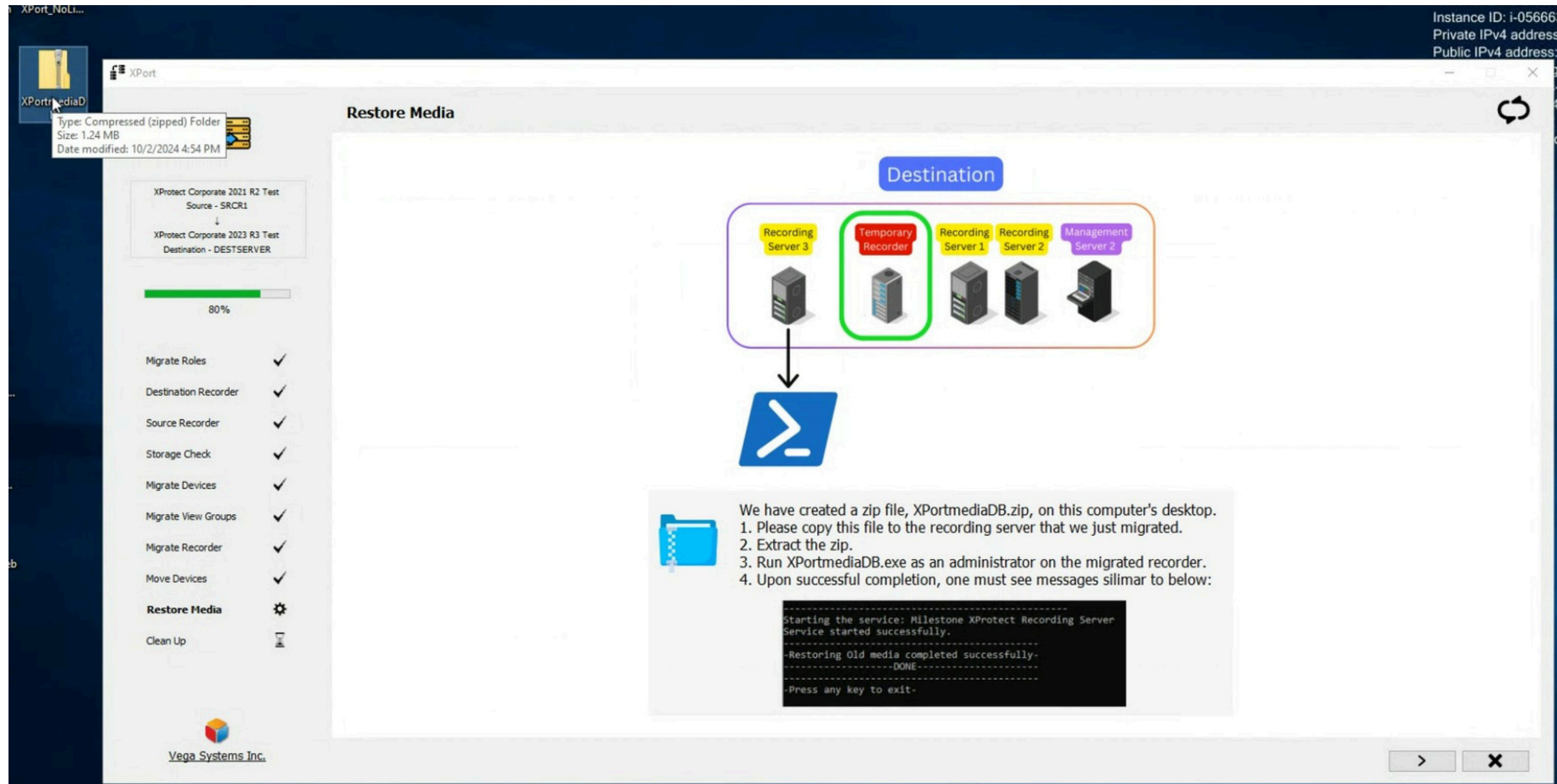
Recording Server 2

Management Server 2

We will now generate a script that must be run on the migrated recorder, to restore media.

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Re-hydrate Media



Instance ID: i-05666
Private IPv4 address:
Public IPv4 address:

Type: Compressed (zipped) Folder
Size: 1.24 MB
Date modified: 10/2/2024 4:54 PM

XProtect Corporate 2021 R2 Test
Source - SRCR1

XProtect Corporate 2023 R3 Test
Destination - DESTSERVER

80%

- Migrate Roles ✓
- Destination Recorder ✓
- Source Recorder ✓
- Storage Check ✓
- Migrate Devices ✓
- Migrate View Groups ✓
- Migrate Recorder ✓
- Move Devices ✓
- Restore Media** ⚙️
- Clean Up ⌚

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Destination

Recording Server 3
Temporary Recorder
Recording Server 1
Recording Server 2
Management Server 2

We have created a zip file, XPortmediaDB.zip, on this computer's desktop.

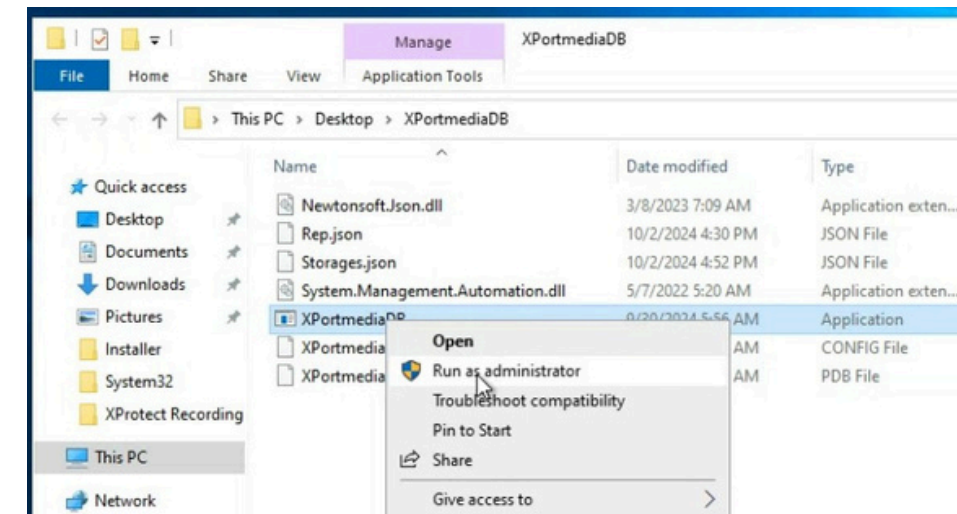
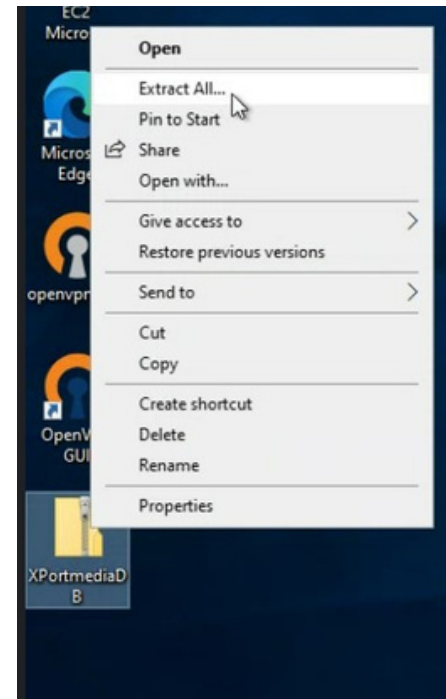
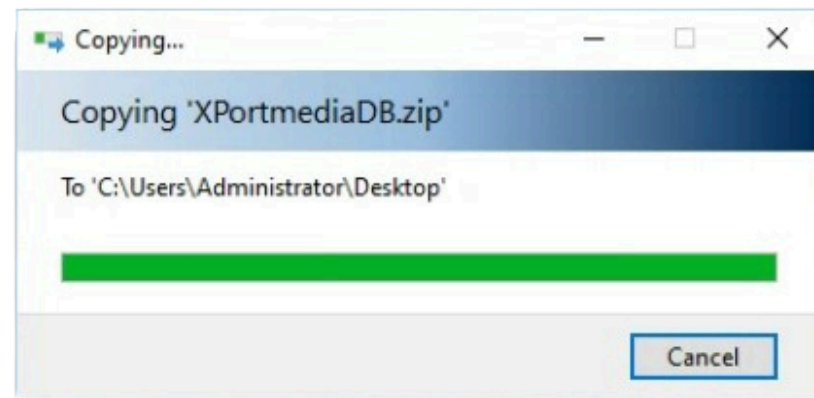
1. Please copy this file to the recording server that we just migrated.
2. Extract the zip.
3. Run XPortmediaDB.exe as an administrator on the migrated recorder.
4. Upon successful completion, one must see messages similar to below:

```

Starting the service: Milestone XProtect Recording Server
Service started successfully.

-Restoring Old media completed successfully-
-----DONE-----
-Press any key to exit-
    
```

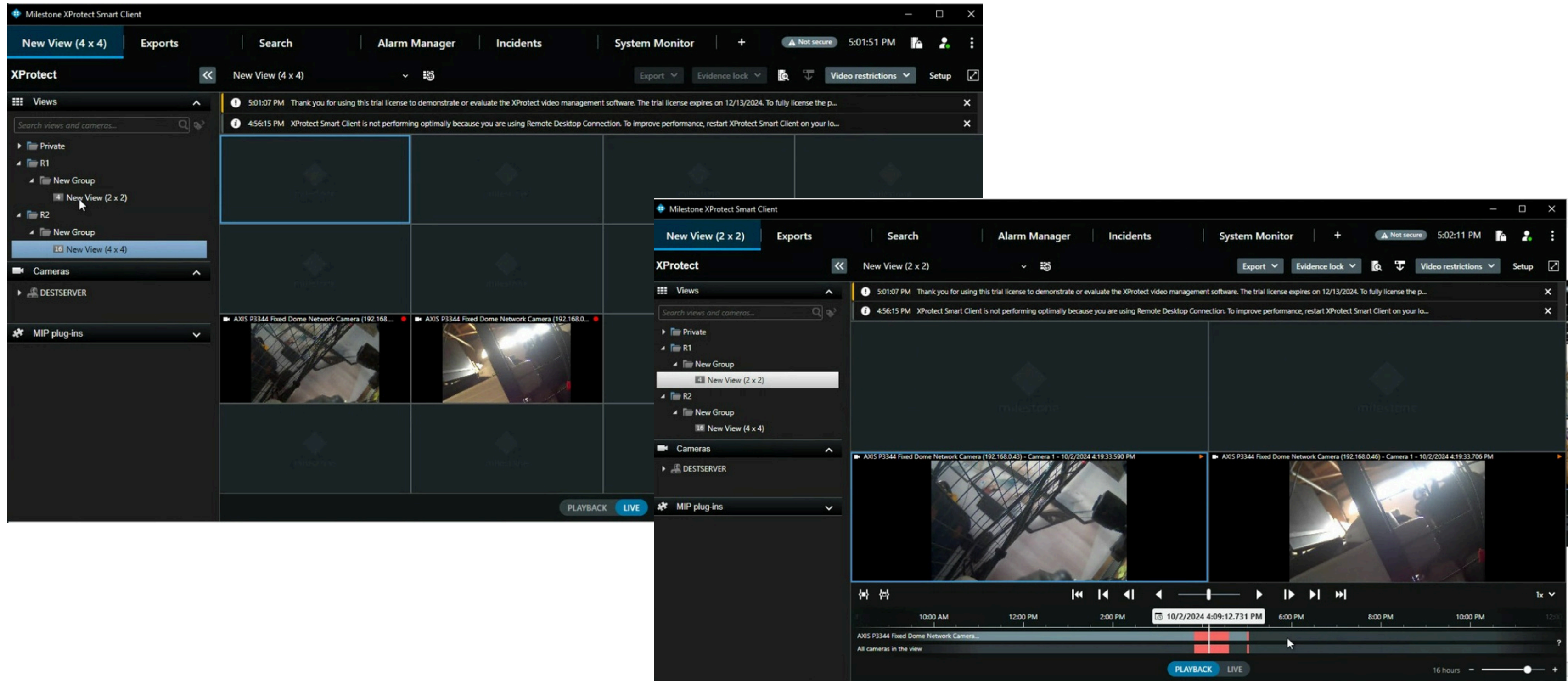
Copy and Run Script on the Migrated Recorder



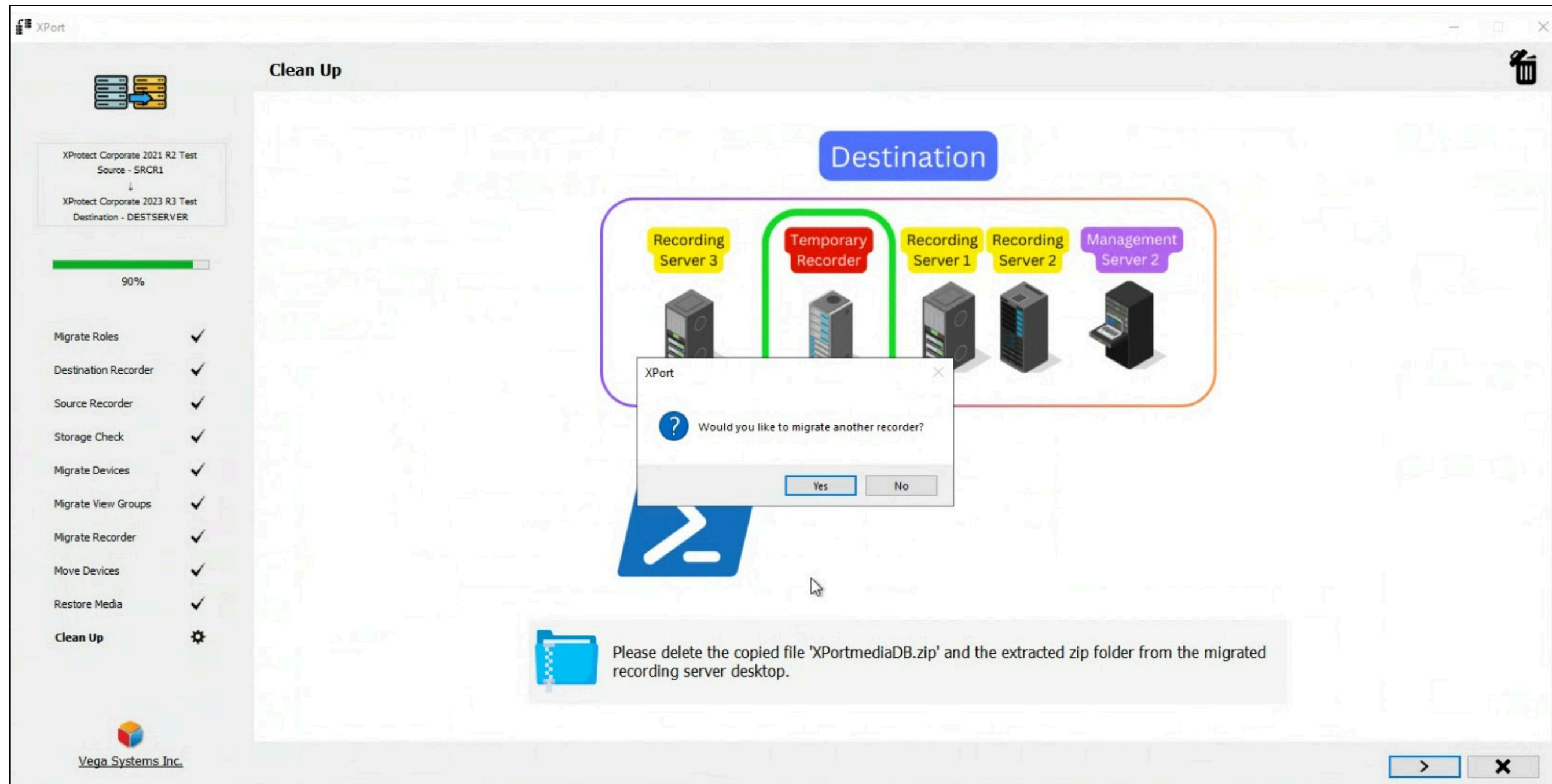
```

C:\Users\Administrator\Desktop\XPortmediaDB\XPortmediaDB.exe
MAC_Channel: 00408CC6E254_0
SourceRecName: SRCR1
DestRecName: DESTSERVER
SourceCamID: E350F943-1CF2-4BE6-B273-AF19D0BE7300
DestCamID: E43102FF-6A41-4044-A316-8EFA827A1F76
CamName: AXIS P3344 Fixed Dome Network Camera (192.168.0.46) - Metadata 1
HWName: AXIS P3344 Fixed Dome Network Camera (192.168.0.46)
-----Start Move-----
MAC_Channel: 00408CC6E254_0
SourceRecName: SRCR1
DestRecName: DESTSERVER
SourceCamID: 4CA73088-0EE4-420E-A46D-FBF669B529A5
DestCamID: 7B5B1F03-EC7A-43A3-B9C8-3C2CE3A1B2F1
CamName: AXIS P3344 Fixed Dome Network Camera (192.168.0.46) - Camera 1
HWName: AXIS P3344 Fixed Dome Network Camera (192.168.0.46)
Renamed: 'C:\MediaDatabase\3E9256F4-AA21-4827-9B66-7B4745A65948\4ca73088-0ee4-420e-a46d-fbf669b529a5' to 'C:\MediaDatabase\3E9256F4-AA21-4827-9B66-7B4745A65948\7B5B1F03-EC7A-43A3-B9C8-3C2CE3A1B2F1'
Starting the service: Milestone XProtect Recording Server
Service started successfully.
-----Restoring Old media completed successfully-----
-----DONE-----
-Press any key to exit-
  
```

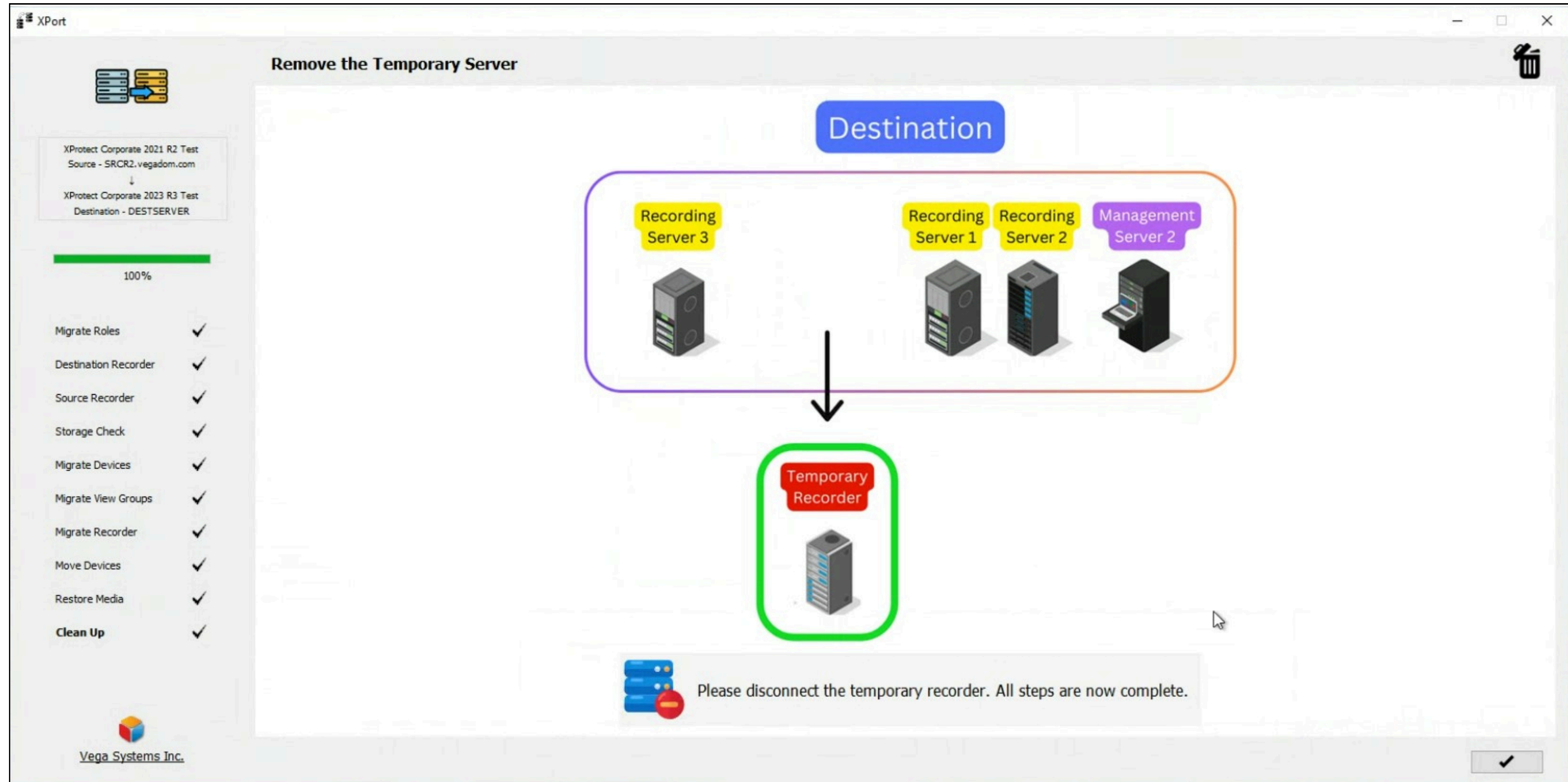
Copy and Run Script on the Migrated Recorder



Media from the Migrated Recorder is re-hydrated 56



Repeat the Process to Migrate another Recorder 57



Remove the Temporary Server

XProtect Corporate 2021 R2 Test
Source - SRCR2.vega.com

XProtect Corporate 2023 R3 Test
Destination - DESTSERVER

100%

- Migrate Roles ✓
- Destination Recorder ✓
- Source Recorder ✓
- Storage Check ✓
- Migrate Devices ✓
- Migrate View Groups ✓
- Migrate Recorder ✓
- Move Devices ✓
- Restore Media ✓
- Clean Up** ✓

Destination

Recording Server 3

Recording Server 1

Recording Server 2

Management Server 2

Temporary Recorder

Please disconnect the temporary recorder. All steps are now complete.

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Disconnect the Temporary Recorder when done



Feature Support in all Modes

XPort v1.0.1

Feature	Supported?	Feature	Supported?	Feature	Supported?
Hardware	✓	Management Client Profiles	✗	Roles	✓
Camera	✓	Matrix	⌚	Basic Users	✓
Microphone	✓	Rules	⌚	System Dashboard	✗
Speaker	✓	Time Profiles	⌚	Server Logs	✗
Metadata	✓	Maps	✗	Metadata Search	✗
Input	✓	Smart Maps	✗	Access Control	✗
Output	✓	Notification Profiles	✗	Incident Properties	✗
Device Groups (Camera, Microphone, Speaker, Metadata, Input, Output)	✓	User-defined Events	⌚	Transact	✗
Smart Wall	⌚	Analytics Events	⌚	Alarm Definitions	⌚
View Groups	✓	Generic Events	⌚	Alarm Data Settings	✗
Smart Client Profiles	⌚	Webhook	✗	Sound Settings	✗

✓ Supported	✗ Milestone SDK Limitation	⌚ Coming Soon
-------------	----------------------------	---------------

Overall Feature Support



support@vega25.com

**High
Availability
Situational
Awareness**

Hi there 🙌 If you need any assistance, I'm always here. 61

Enter your message...