

# Configuring Valerus Recording Failover



XX285-95-00



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## Guide for Setting a Valerus NVR Failover Unit

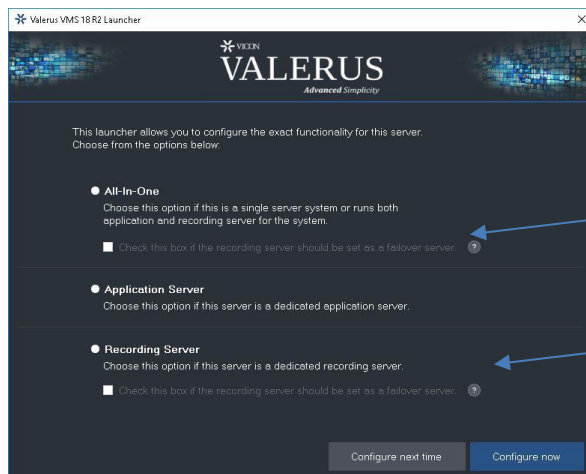
This guide provides a step-by-step procedure for using the Vicon Valerus™ Recording Failover feature. Valerus provides a specific Configuration screen under Network Devices that allows setting up a failover NVR. The purpose of this is to designate a dedicated NVR to take over the recording of an NVR that has failed.

### Description

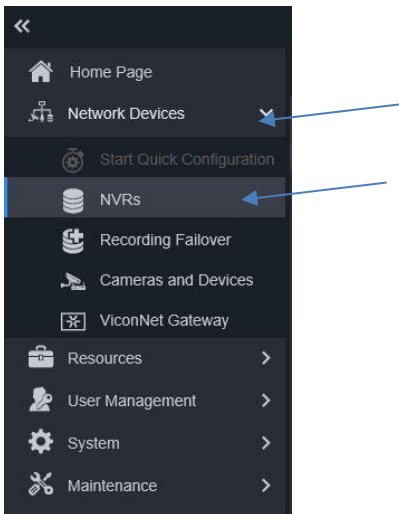
Valerus allows an NVR to be configured as a failover NVR to act as a backup in the case of an NVR failure. The failover NVR is a dedicated PC and is *not* one of the system's NVRs.

Note: Using the Recording Failover capability requires an ENTERPRISE license on the Valerus system.

- The installation of a failover NVR is done in the same way a standard NVR is installed.
- At the end of the installation, from the Valerus Launcher, define the NVR as a failover NVR from either the All-in-One or Recording Server options, depending on what you are installing.



- Remember an NVR can either be a standard NVR or a failover NVR – not both.
- Log into Valerus and select the Configuration tab. From the Home Page, select Network Device. From Network Devices, select NVRs.

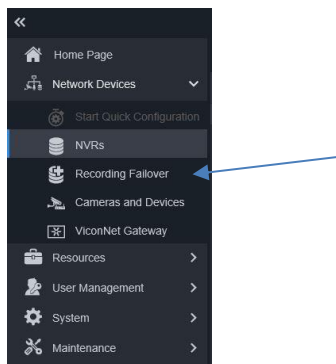


The failover NVR must be added to Valerus in the same way a standard NVR is added. Refer to the full Valerus manual for details on adding NVRs as needed.

- Select Add Discovered NVRs. A list of discovered NVRs will pop up. Select the failover NVR from the list and click Close and Apply.
- If the failover NVR is not on the discovered list, click Add NVR Manually. Enter the details of the failover NVR in the popup screen and click Apply. The NVR will be added. In the NVR list, the failover NVR will show with the different icon and failover type.

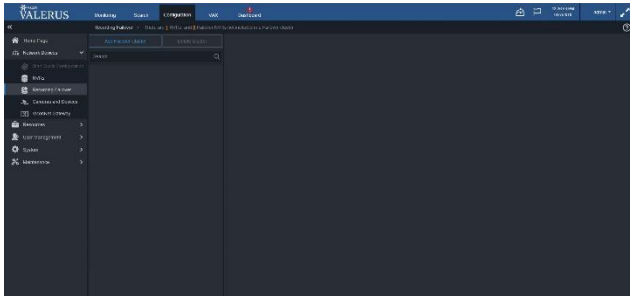
IP Address	Name	Version	Status
10.10.20.218	NVR	18.200.87.19488	✓
10.10.20.231	Failover NVR	18.200.87.19488	✓

- After adding the failover NVR you will need to configure the storage for that NVR to use, just like with a standard NVR.
- After the NVRs and failover NVRs have been added, proceed to the Recording Failover tab.

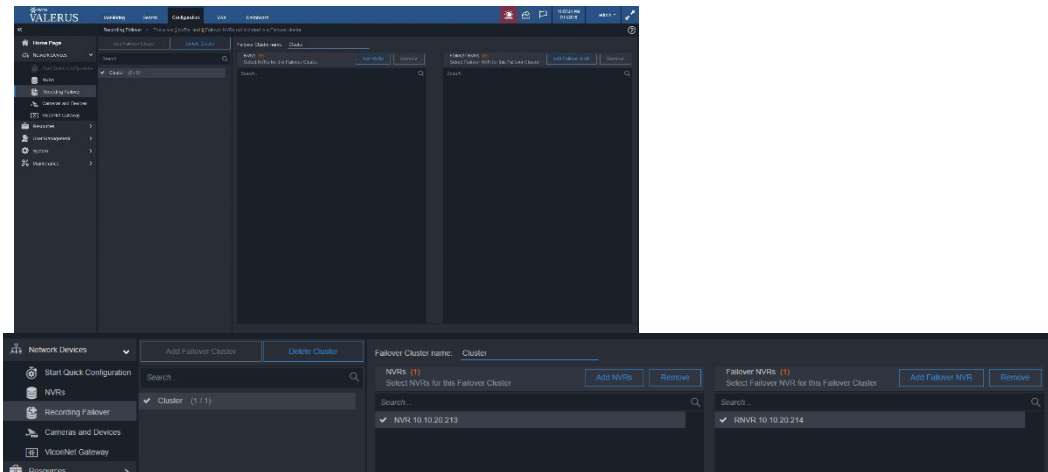


The following screen displays. From this screen, you can define **Clusters** of NVRs and the association of failover NVRs that will be the backup.

- A single failover NVR can serve as a failover for multiple NVRs; once the failover NVR is in use (actively backing up a failed NVR), it is not available for failures of other NVRs in that cluster. Each device can be in only one cluster. At least one NVR and one Failover NVR must be in the system to form a cluster.
- You can also decide to have several failover NVRs in the same cluster and then, if one is actively backing up a failed NVR, the next one will be standing by for another failure.



- Click **Recording Failover** to open the setup screen.
- Click **Add Failover Cluster**. The following screen displays. A summary of the system NVRs and Failover NVRs is at the top; this list is based on the NVRs and failover NVRs already added to the system. Click **Add NVRs** to select which NVRs will be included in this cluster. Then click Add Failover NVR to designate which failover NVR will back up this cluster of NVRs.
- The summary will always show if certain NVRs are still not members of a cluster.



- Click Save to complete configuration of the cluster. A cluster can be removed by selecting the cluster and then clicking the **Delete Cluster** button.

Once Recording Failover is configured, if an NVR fails, the system will automatically find the defined Failover NVR; failover will occur within 30 seconds. There will be a Dashboard message that an NVR failed and which failover has taken over.

Note that except for the expected short gap in recording until the failover starts, the system behavior is transparent and user experience is not changed. Valerus will automatically switch playback to and from the failover NVRs without having to know when an event occurred.

The failover NVR has its own recording database and its own FIFO schedule.