



Pro-Tip's

Pre-Deployment:

Disconnect the HMI from the ship's LAN during the imaging process to prevent data collisions or network-based interruptions.

Physical Isolation:

Disconnect the backup drive immediately after verification. Air-gapped storage is the only 100% defense against ransomware.

The Golden State:

Only image systems in a "Known-Good" state (fresh install/post-AV scan). Never image an unstable system.

Rescuezilla Deployment Guide

1. Pre-Deployment Requirements

Before imaging can be processed the following is required:

- Rescuezilla Bootable USB (Created via Rufus).
- External SSD/HDD for Image Storage (NTFS/exFAT).
- Target HMI/Workstation must be powered OFF.
- Ensure a Change Request (CR) has been approved by the Master or Chief Engineer

2. Booting into Rescue Environment

- Insert the USB into the HMI.
- Reboot and enter the Boot Menu (Usually F12, F11, or Esc). Select the UEFI USB Partition.
- Choose your language and click "Start Rescuezilla".

3. The Imaging Process (Backup)

1. Select Backup from the main menu.
2. Source: Select internal system disk.
3. Destination: Select external storage device.
4. Compression: Select "Zstandard".
5. Naming: Use YYYY-MM-DD_ShipName_System_AssetID
6. Record, timestamp, and Hash in the TAG-OT-FRM-05 Backup Log.

In a "Dark Ship" or high-stress emergency, rapid recovery is critical. Physical labeling eliminates the need to manually mount multiple drives to find a specific "Golden Image," reducing restoration time (RTO) by up to 30 minutes.



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Driver Compatibility:

When restoring to a different hardware model, be prepared for "Blue Screen" (BSOD) errors. Keep a separate USB with the chipset and storage drivers for the new hardware to resolve boot loops.

Annual Requirement:

Perform a "Mock Restore" once every 12 months on a spare HDD/SSD.

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4. System Restoration Procedure

1. Boot from Rescuezilla USB on the target/replacement hardware.
2. Select "Restore" and browse to the image on the external vault drive.
3. Map the image to the new internal drive.
4. Select "Resize partitions" if the new drive is larger than the original.
5. Execute restore. Remove USB media and reboot once 100% complete.

5. Restoration Testing & Integrity

Integrity Hash:	Rescuezilla verifies file integrity upon completion. Do not skip this step.
Mock Recovery:	Perform an annual restoration test to a spare drive to confirm bootability.