Deployment and Workflow Overview (PSImage)

> PSImage is not supported by FileWave Support so please do not submit tickets with them about it. The information provided here is for educational purposes only. If you would like to purchase professional services hours for consulting assistance setting up PSImage or customizing it please contact professional.services@filewave.com with your request. If you have existing unused professional services hours you may be able to use them for this purpose. Any feedback on PSImage can also be sent to the same email address. Any work on this would be done on Discord or in working with Professional Services. For the official Windows Imaging solution please see Network Imaging / IVS.

As mentioned before there are 2 components to the disk imaging - 1) an SMB share and 2) a bootable WinPE WIM image - boot.wim. To set up the disk imaging you'll need to

1. Set up the psimage share for access over the network and grant adequate share access.
2. Make the boot.wim available to your client device to be reimaged. There are 4 different ways to do this. Any or all of these methods can be used at the same time to reimage client PCs.
3. Deploy boot.wim with a fileset and have it load via RAM disk (requires device have functional FileWave client installed).
4. Create a bootable USB thumb drive. There are 2 versions of the thumb drive. See Building Your Imaging Environment for instructions.
   1. A single partition thumb drive to host boot.wim for network imaging. Disk images and driver packs are pulled from the psimage share.
   2. A dual partition thumb drive for local imaging. The first partition hosts boot.wim. Disk images and driver packs are pulled from a secondary partition on the same thumb drive. In this case there is no interaction with the psimage share. However, network access must still be available during post-imaging so the FileWave client can send in an initial inventory to the FileWave server to trigger the creation of client device entry.
5. Make boot.wim available to PXE clients over the network with a PXE server such as WDS.
6. Create a bootable ISO that hosts boot.wim. See Building Your Imaging Environment for instructions. This can be used to boot a VM for image capture. It can also be burned to optical media for older devices that have an optical drive for image restoration.
7. Prepare your reference computer, VM or physical, for image capture using the provided prep_ref_vm.ps1 script. This will syprep it.
8. Boot your reference VM from the ISO, or a physical PC from a thumb stick or the network to capture a master image.
9. Upload driver packs from each PC model you need to reimage using the upload_driver_pack.ps1 script.
10. Add the customized FileWave client and any optional kiosk customizations.
11. Add a Wi-Fi profile for laptops without a built-in ethernet NIC.
12. Optionally pre-assign disk images, computernames, and custom field values to client PCs via image_mappings.txt. If there is no association, tech will be prompted for disk image and computername.
13. Boot PC from USB thumb stick, network, or via fileset to reimage it.

Setting up the psimage share

1. Extract the contents of the PSImage_v0.3.zip file to a folder.
2. Share that folder with share name of psimage.
3. Grant Everyone Full Control share permissions.
4. Create a domain account account, e.g. fwadmin, and grant it Modify NTFS security permissions to this folder.
5. From another PC, verify that you can connect to the the psimage share using the above domain account.