

Setup of FreeNAS on iXSystems FreeNAS Mini – Rod Michael

Step	FreeNAS Users Guide Section	Action
1	NA	Get FreeNAS Mini URL using monitor connected to FreeNAS Mini (192.168.1.143)
2	NA	Boot to FreeNAS Web User Interface (192.168.1.143) with Firefox on network PC
3	Figure 2.5b	Set root password
4	3.1.2	Set Administrative E-mail address: nnnnn@nnn
5	3.1.3	Enable Console Logging <ul style="list-style-type: none"> - Enable show console messages in footer
6	3.1.4 6.3.4	Configure Storage <ul style="list-style-type: none"> - Option 5: Format disks with ZFS, RAID Z2 (ZFS Volume Manager, Section 6.3.4) - Volume Name = ourstorage - Create ZFS Datasets (Section 6.3.6) <ul style="list-style-type: none"> - Dataset #1 = Backups - Dataset #2 = OurMedia - Set ZSF Options (Table 6.3d) <ul style="list-style-type: none"> - Compression = lz4 - Enable atime = off - ZFS Deduplication = off - Create Users/Groups <ul style="list-style-type: none"> - Use anonymous (guest) account - Manually create users and groups <ul style="list-style-type: none"> - Group Management (Section 3.2.2) <ul style="list-style-type: none"> - Click "Groups" - Click "View Groups" - Click "Add Group" - GroupName = home (ID=1001) - User Management (Section 3.2.1) <ul style="list-style-type: none"> - Option #1: Create "guest" account that all users will use - Click "Account" - Click "Users" - Click "View Users" - Click "Add New" - Primary Group = home - Home Directory = /mnt/ourstorage - Full Name = Rod and Ellen - E-mail = rodandellen@live.com - Disable LOGIN = checked - Auxiliary Groups = wheel - Click "Groups" - Click "View Groups" - Highlight "home" group - Click "Members" - Add "guest" as member of home

7	7 7.3.1	<p>Configure Sharing</p> <ul style="list-style-type: none"> - Option = Windows (CIFS) shares (Section 7.3) - Creating CIFS Shares - Click "Sharing" - Click "Add Windows (CIFS) shares" - Name of share = freenas - Path = /mnt/ourstorage - Export Read Only = unchecked - Browsable = checked - Inherit owner = checked - Inherit ACLs = checked - Inherit Permissions = checked - Allow guest access = checked - Hosts Allow: 192.168.1.106 (PC #1); 192.168.1.144 (PC#2)
8	7.3.2	<p>Configure Anonymous Access</p> <ul style="list-style-type: none"> - Create guest user account (see Step #6 above) - Associate "guest" account with volume "ourstorage" (and all datasets) <ul style="list-style-type: none"> - Click "storage" - Click "View Volumes" - Highlight "ourstorage" - Click "Change Permissions" - Owner (user) = guest - Owner (group) = guest - Type of ACL = Unix - Create CIFS Share (See Step #7 above) - Configure CIFS Service <ul style="list-style-type: none"> - Click "Services" - Click "CIFS" <ul style="list-style-type: none"> - Authentication Model = Anonymous <u>THIS OPTION IS NOT PRESENT IN THE WEB USER INTERFACE</u> - Guest Account = guest - Allow Empty Password = checked - Enable Home Directories = checked - Home Directory = /mnt/ourstorage
9		<p><u>Test Configuration:</u> FREENAS is available in my network and I have mapped it as drive Y. I can open in the Volume "ourstorage" each of the DATASETS that I have created.</p> <p>However, I cannot write to the drive. For instance, if I set up my backup software (AOMEI Backupper Professional) to backup to /mnt/ourstorage/backups, I get a message that the drive is unable to write to the drive even though it can see the drive. If I attempt to copy a file from another drive to "ourstorage" I get a message that I do not have permission to do so. If I attempt save a Word document to the FreeNAS Mini I get the same message.</p>