

## 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"> <li>- Enable show console messages in footer</li> </ul>
6	3.1.4 6.3.4	Configure Storage <ul style="list-style-type: none"> <li>- Option 5: Format disks with ZFS, RAID Z2 (ZFS Volume Manager, Section 6.3.4)</li> <li>- Volume Name = ourstorage</li> <li>- Create ZFS Datasets (Section 6.3.6)               <ul style="list-style-type: none"> <li>- Dataset #1 = Backups</li> <li>- Dataset #2 = OurMedia</li> </ul> </li> <li>- Set ZSF Options (Table 6.3d)               <ul style="list-style-type: none"> <li>- Compression = lz4</li> <li>- Enable atime = off</li> <li>- ZFS Deduplication = off</li> </ul> </li> <li>- Create Users/Groups               <ul style="list-style-type: none"> <li>- Use anonymous (guest) account</li> <li>- Manually crate users and groups                   <ul style="list-style-type: none"> <li>- Group Management (Section 3.2.2)                       <ul style="list-style-type: none"> <li>- Click "Groups"</li> <li>- Click "View Groups"</li> <li>- Click "Add Group"</li> <li>- GroupName = home (ID=1001)</li> </ul> </li> <li>- User Management (Section 3.2.1)                       <ul style="list-style-type: none"> <li>- Option #1: Create "guest" account that all users will use</li> <li>- Click "Account"</li> <li>- Click "Users"</li> <li>- Click "View Users"</li> <li>- Click "Add New"</li> <li>- Primary Group = home</li> <li>- Home Directory = /mnt/ourstorage</li> <li>- Full Name = Rod and Ellen</li> <li>- E-mail = <a href="mailto:rodandellen@live.com">rodandellen@live.com</a></li> <li>- Disable LOGIN = checked</li> <li>- Auxiliary Groups = wheel</li> <li>- Click "Groups"</li> <li>- Click "View Groups"</li> <li>- Highlight "home" group</li> <li>- Click "Members"</li> <li>- Add "guest" as member of home</li> </ul> </li> </ul> </li> </ul> </li> </ul>

7	7 7.3.1	<p>Configure Sharing</p> <ul style="list-style-type: none"> <li>- Option = Windows (CIFS) shares (Section 7.3)</li> <li>- Creating CIFS Shares</li> <li>- Click "Sharing"</li> <li>- Click "Add Windows (CIFS) shares"</li> <li>- Name of share = freenas</li> <li>- Path = /mnt/ourstorage</li> <li>- Export Read Only = unchecked</li> <li>- Browsable = checked</li> <li>- Inherit owner = checked</li> <li>- Inherit ACLs = checked</li> <li>- Inherit Permissions = checked</li> <li>- Allow guest access = checked</li> <li>- Hosts Allow: 192.168.1.106 (PC #1); 192.168.1.144 (PC#2)</li> </ul>
8	7.3.2	<p>Configure Anonymous Access</p> <ul style="list-style-type: none"> <li>- Create guest user account (see Step #6 above)</li> <li>- Associate "guest" account with volume "ourstorage" (and all datasets) <ul style="list-style-type: none"> <li>- Click "storage"</li> <li>- Click "View Volumes"</li> <li>- Highlight "ourstorage"</li> <li>- Click "Change Permissions"</li> <li>- Owner (user) = guest</li> <li>- Owner (group) = guest</li> <li>- Type of ACL = Unix</li> </ul> </li> <li>- Create CIFS Share (See Step #7 above)</li> <li>- Configure CIFS Service <ul style="list-style-type: none"> <li>- Click "Services"</li> <li>- Click "CIFS" <ul style="list-style-type: none"> <li>- <b>Authentication Model = Anonymous</b> <b><u>THIS OPTION IS NOT PRESENT IN THE WEB USER INTERFACE</u></b></li> <li>- Guest Account = guest</li> <li>- Allow Empty Password = checked</li> <li>- Enable Home Directories = checked</li> <li>- Home Directory = /mnt/ourstorage</li> </ul> </li> </ul> </li> </ul>
9		<p><b>Test Configuration:</b> 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>