1 Installation

RTMINIX3 can be installed in several ways. It is possible to install it from an installation CD. Furthermore it is possible to rebuild a standard Minix 3.1.2a installation to RTMINIX3 by patching or copying the source code. We also provide a pre-installed VMware virtual machine image.

Using the installation CD

Installation of RTMINIX3 is exactly the same as installing Minix 3. You can use the installation manual of Minix 3 to guide you through the installation.

Patching and rebuilding a Minix 3.1.2a installation

1. Install Minix 3.1.2a (if not already done).
2. Install GNU Patch. GNU Patch is not available in Packman. Either build it from source or install the binary by transferring it to your system (e.g downloading using urlget or FTP).
3. Transfer the patch file to your computer (e.g. using FTP).
4. Create a backup of the source directory:

   ```
   cp -r /usr/src/ /usr/src_backup/
   ```

5. Patch the source directory:

   ```
   /usr/gnu/bin/patch -p0 < /path/to/rtminix3.patch
   ```

6. Rebuild the system:

   ```
   cd /usr/src/tools && make fresh install
   ```

7. Reboot:

   ```
   reboot
   ```

8. Rebuild commands:

   ```
   cd /usr/src/commands && make all install
   ```

Copying the source code and rebuilding a Minix 3.1.2a installation

1. Install Minix 3.1.2a (if not already done).
2. Create a backup of the source directory:

   ```
   mv /usr/src/ /usr/src_backup/
   ```

3. Transfer the source code package (rtminix3.tar.bz2) to your computer (e.g. using FTP).
4. unzip the package to rtminix3.tar:

   ```
   bunzip2 rtminix3.tar.bz2
   ```

5. Extract the tarbal file to /usr/src/:

   ```
   tar xvf rtminix3.tar
   ```

6. Rebuild the system:

   ```
   cd /usr/src/tools && make fresh install
   ```

7. Reboot:

   ```
   reboot
   ```

8. Rebuild commands:

   ```
   cd /usr/src/commands && make all install
   ```

Using the VMware virtual machine image

1. Unzip the file containing the virtual machine image (RTMINIX3_vmware.zip).
2. Follow the instructions of your VMware software to add an existing virtual machine.
3. If asked for the vmx config file, provide the path to RTMINIX3.vmx