

VNEC - Installation Guide

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Abstract

This document describes the installation (and initial configuration) process of VNEC.

1 System Requirements

You will need a Windows computer (VNEC has been tested on Windows 2000 SP4 and Windows XP SP3). Java JRE 1.5 or 1.6 must be installed on that computer as well as VMWare Workstation 5 (VNEC also works on VMWare Workstation 6, but the instructions assume Workstation 5).

2 Installation

Download VNEC-X.Y.zip from vnec.sourceforge.net.

Extract the file where you want VNEC to reside. This location will then become the VNEC path, denoted “\$VNEC_Path”.

After the extraction, “\$VNEC_Path” will contain the file VNEC-X.Y.jar and the following folders:

- LIB
- DOCUMENTS
- CONFIG
- IMAGES

“LIB” contains the jar files you need to create new virtual machines or a new dispatcher (see VNEC Virtual Machine Configuration guide).

“DOCUMENTS” contains the documents related to VNEC installation and usage.

“CONFIG” contains the configuration files (“Preference.txt” and “VMIPAddress.csv”) for VNEC. “Preference.txt” must be configured once, according to Section 3, before running VNEC. “VMIPAddress.csv” should be modified when new virtual machines are created (see VNEC Virtual Machine Configuration guide).

“IMAGES” contains the image files used by VNEC GUI.

“VNEC-X.Y.jar” is the main VNEC program. You can run it through “java -jar vnec-X.Y.jar” but you must first configure the file “Preference.txt” as described below.

3 Preferences Configuration

The file “Preferences.txt” located in “\$VNEC_Path\CONFIG” must contains a value for the following entries:

- VNEC_Standard_VM_Folder = XYZ
- VNEC_Util_VM_Folder = XYZ
- VNEC_Shared_Folder = XYZ
- VMWareWorkstation_Folder = XYZ

VNEC_Standard_VM_Folder must be equal to the folder containing the standard virtual machines that can be used by VNEC. VNEC will scan that folder (and its subfolder) to find all virtual machines (*.vmx) and these VM will be available for usage inside VNEC.

VNEC_Util_VM_Folder must be equal to the folder containing the utility virtual machines (e.g., the dispatcher) that can be used by VNEC. Note that VNEC_Util_VM_Folder cannot have VNEC_Standard_VM_Folder as a parent directory.

VNEC_Shared_Folder must be equal to the folder that is shared with the virtual machine. VNEC will use that folder to communicate with the dispatcher (If you use a folder different then “S:\”, the virtual machines distributed with VNEC might have to be reconfigured to reflect it.).

VMWareWorkstation_Folder must be equal to the folder containing the executable for VMWare Workstation called “vmrun.exe”. Usually, it will be in “C:\Program Files\VMware\VMware Workstation\”.

An example of “Preferences.txt” is presented in Figure 1.

Figure 1: Example of “Preferences.txt”

```
VNEC_Standard_VM_Folder = L:\vnc\standard\  
VNEC_Util_VM_Folder = L:\vnc\util\  
VNEC_Shared_Folder = S\  
VMWareWorkstation_Folder = C:\Program Files\VMware\VMware Workstation\  

```