

## ESX Console Manager 2.1

### Where to get it

The tool is available via <http://www.ESXGuide.com> and it's free for downloading, usage and has no limitations.

### Requirements

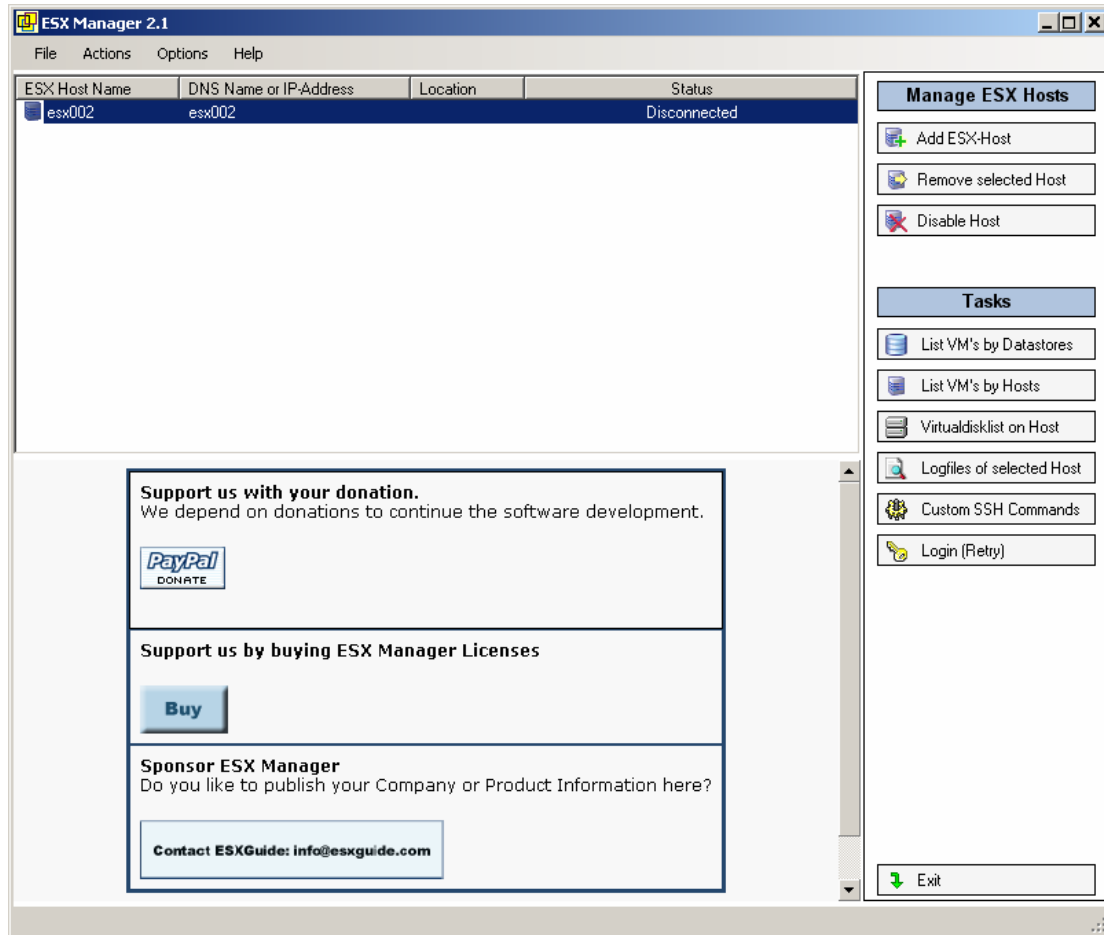
- Important: Virtual Infrastructure Client must also be installed
- WWW Internet connection to \*.esxguide.com
- FTP Connection for the Public Repository
- All version of ESX 3.x are supported

### Features

- Virtual Center independent
- Keeps track of Virtual Machine Host Registration, Migrations and Status
- Manage Virtual Machine Configuration
- Display and work in the Virtual Machine Console
- Kill Virtual Machine Process (if the VM can't be powered off)
- Rename Virtual Disks of registered Virtual Machines
- Move Virtual Disks and keep the disk attached to the Virtual Machine
- Virtual Machine Registration, Start , Restart , Reset, Power Off, Suspend
- Extend Virtual Disks
- View-Search-Filter Logfiles on the ESX Host.
- Define and save custom SSH commands with Parameter handling
- Publish and share custom SSH commands with other ESX Administrators

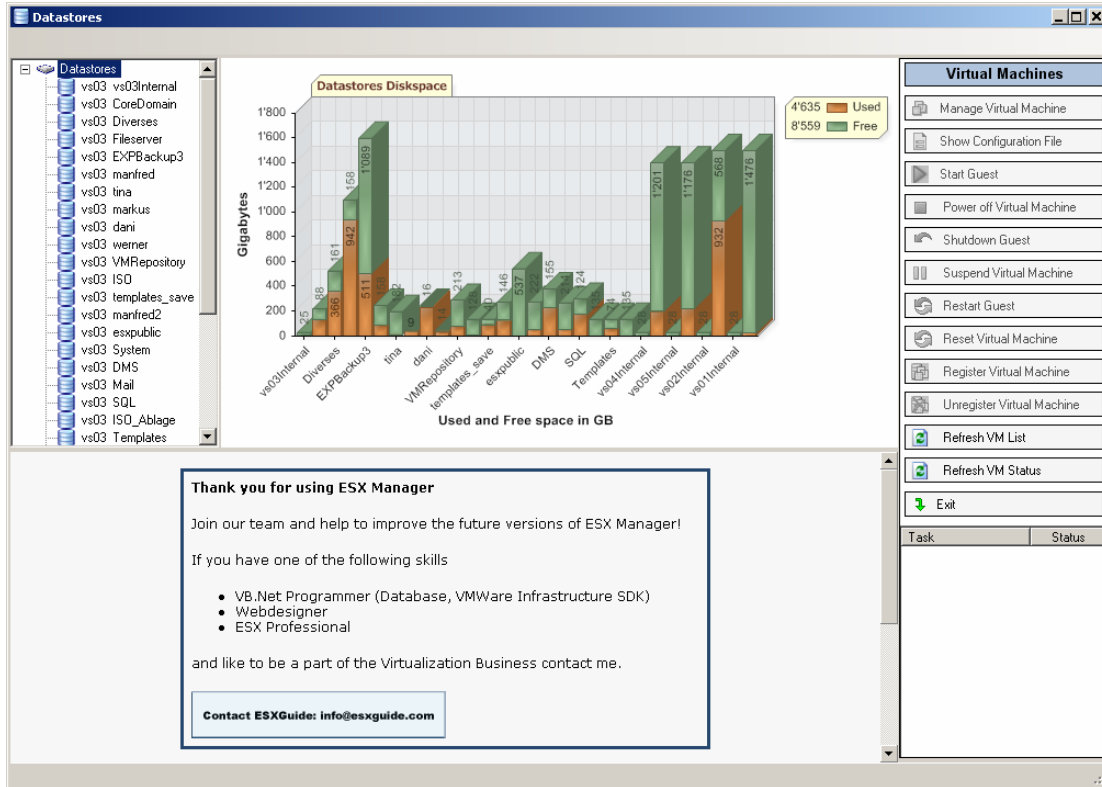
## Startup Window

- Add the hosts. Hosts are accessed through SSH.
- Choose to view the VM's by storage ore hosts
- Access from here the Virtual Disk list, Logfiles on the host, Custom SSH tasks



## Datstore view

- View graph of storage usage



## Datastore view

- List all Virtual Machines on a Datastore (also unregistered VM's)
- Graph of the Virtual Machine Directory sizes
- The status of the Virtual Machines are visible
- VM's can be managed from this window

The screenshot displays the VMware vSphere interface for a datastore named 'Diverses'. It features a tree view on the left, a central table of virtual machines, a bar chart at the bottom, and a control panel on the right.

Virtual Machine	Host Registration	Directory	Directory Size GB
Sweeper.vmx	vs01	Sweeper	22.9
vsb.vmx	vs02	vsb	4.4
daisy.vmx	vs05	daisy	12.7
netdog.vmx	vs02	netdog	13.4
ID-SQL2005.vmx	vs01	ID-SQL2005	25
nedi001.vmx	vs05	nedi001	12.8
applic001.vmx	vs01	applic001	32.5
license001.vmx	vs01	license001	13
admin.vmx	vs05	admin	13.2
sonne.vmx	vs01	sonne	16.5
Patchlink.vmx	vs05	Patchlink	51.5
tm6.vmx	Not registered	tm6_old	51.1
tm6.vmx	vs05	tm6	19.4
EPO.vmx	Not registered	EPO.old	20
EPO.vmx	vs04	EPO	20
VIRUS001.vmx	vs01	VIRUS001	26

Virtual Machine	Size (GB)
vsb.vmx	4
daisy.vmx	13
nedi001.vmx	13
license001.vmx	13
admin.vmx	13
netdog.vmx	13
sonne.vmx	17
tm6.vmx	19
tm6.vmx	20
EPO.vmx	20
Sweeper.vmx	23
ID-SQL2005.vmx	25
VIRUS001.vmx	26
applic001.vmx	33
tm6.vmx	51
Patchlink.vmx	52

Size of all VM Directories in Datastore: 354.4 GB

## Host view

- List all registered Virtual Machines on all hosts ore by selected host
- VM's can be managed from this window

The screenshot displays the ESX Manager interface with the title "Listing all registered Virtual Machines". On the left, a tree view shows "All Hosts" with sub-items vs02, vs03, vs04, vs05, and vs01. The main area contains a table of virtual machines with columns for Virtual Machine, Host Registration, Directory, and Directory Size GB. A sidebar on the right, titled "Virtual Machines", provides various management actions such as "Manage Virtual Machine", "Start Guest", "Power off Virtual Machine", and "Refresh VM List".

Virtual Machine	Host Registration	Directory	Directory Size GB
indexer.vmx	vs02	indexer	228.1
DATA001.vmx	vs02	DATA001	36.8
vmtc002.vmx	vs02	vmtc002	12.3
vmtc001.vmx	vs02	vmtc001	12.3
filer.vmx	vs02	filer	936.6
netdog.vmx	vs02	netdog	13.4
venus.vmx	vs02	venus	68.1
vsb.vmx	vs02	vsb	4.4
Win2003EnterpriseR2TemplateVorlage.vmx	vs02	Win2003EnterpriseR2TemplateVorlage	12
Management.vmx	vs02	Management	6
tm6client.vmx	vs02	tm6client	12
mm2.vmx	vs03	mm2	6.4
TinasSql.vmx	vs03	TinasSql	16.5
pegasus.vmx	vs03	pegasus	67.9
dc2.vmx	vs03	dc2	8
mm1.vmx	vs03	mm1	6.8
SP1.vmx	vs04	SP1	6
EP0.vmx	vs04	EP0	20
dc001.vmx	vs05	dc001	12.8
nerf.vmx	vs05	nerf	17.3

**Thank you for using ESX Manager**

Join our team and help to improve the future versions of ESX Manager!

If you have one of the following skills

- VB .Net Programmer (Database, VMWare Infrastructure SDK)
- Webdesigner
- ESX Professional

and like to be a part of the Virtualization Business contact me.

Contact ESXGuide: [info@esxguide.com](mailto:info@esxguide.com)

## Virtual Machine Management Window (Configuration Tab)

- All common actions like Stop-Start-Suspend
- Kill a Virtual Machine process on the host
- Rename Virtual Disks
- Move Virtual Disks
- Extend Virtual Disks

The screenshot shows the configuration window for a virtual machine named 'indexer'. The VM is currently 'Powered ON'. The configuration details are as follows:

- VM Name: **indexer**
- Registered on Host: **vs02**
- Directory Size GB: 228.1
- Datastore: DMS
- Directory: indexer
- Configuration File: indexer.vmx
- Snapshots: No Snapshot

The 'Harddisks' section shows a table of virtual disks:

SCSI Node	Disklocation	Disk Name	Disk Size GB
scsi0:0	DMS/indexer/indexer.c.d.system.data2-flat.vmdk	indexer.c.d.system.data2.vmdk	59.8
scsi0:1	DMS/indexer/indexer.f.data-flat.vmdk	indexer.f.data.vmdk	160.1
scsi0:2	DMS/indexer/indexer.s.swapfile-flat.vmdk	indexer.s.swapfile.vmdk	4.1

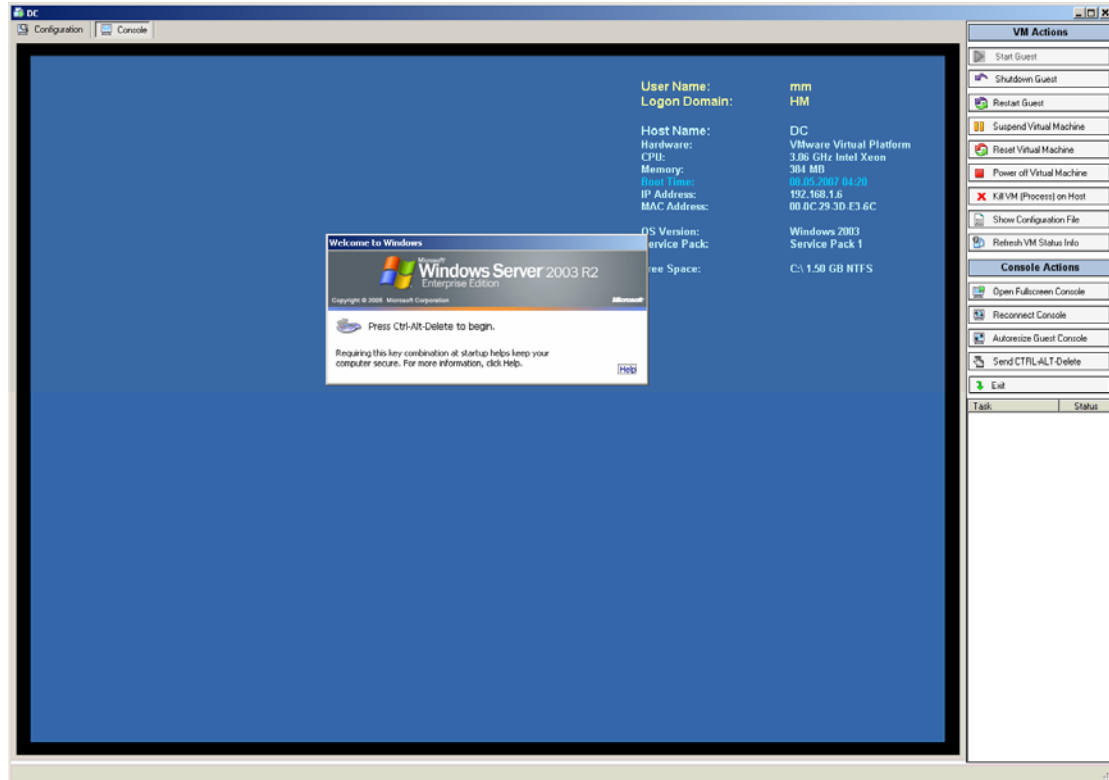
The 'Rename Virtual Disk Flat- and Configuration Files' section is active, showing a warning: 'Renaming is disabled VM is Powered On'. The 'Diskname' field contains 'indexer.c.d.system.data2.vmdk' and the 'Datafile (Flatfile)' field contains 'indexer.c.d.system.data2-flat.vmdk'. A 'Rename Disk Files' button is visible.

A warning box at the bottom states: 'Be aware: Console will only accept Keyboard input if the mousepointer is in the console window while you write!'

The right-hand side of the window features a 'VM Actions' panel with the following buttons: Start Guest, Shutdown Guest, Restart Guest, Suspend Virtual Machine, Reset Virtual Machine, Power off Virtual Machine, Kill VM (Process) on Host, Show Configuration File, and Refresh VM Status Info. Below this panel is an 'Exit' button and a 'Task' table with a 'Status' column.

## Virtual Machine Management Window (Console Tab)

- Work in the console of the Virtual Machine



## Custom SSH Tasks

- Configure save and run your SSH commands in the console
- Share your SSH commands with other administrators
- Retrieve commands from the public repository

Run Custom Task on Host: esx002 Current Repository: Local Own Tasks

Taskname	Category	Author	Date Published	Command
Check Maintenance Mode Status	ESX Settings	Manfred Meier	17.07.2007 14:19:34	vimsh -n -e hostsvc/runtimeinfo   grep inMaintenanceM
Enter Maintenance Mode	ESX Settings	Manfred Meier	17.07.2007 14:19:23	vimsh -n -e /hostsvc/maintenance_mode_enter
Exit Maintenance Mode	ESX Settings	Manfred Meier	17.07.2007 14:19:29	vimsh -n -e /hostsvc/maintenance_mode_exit
List processes of running Virtual Machines	ESX Settings	Manfred Meier	17.07.2007 13:08:05	ps -ef   grep +PARAMETER1+
Monitor Logfile /var/log/vmkernel	ESX Settings	Manfred Meier	17.07.2007 14:25:19	tail -f /var/log/vmkernel
Monitor Logfile /var/log/messages	Monitoring	Manfred Meier	17.07.2007 13:01:41	tail -f /var/log/messages
Monitor Logfile /var/log/vmkwarning	Monitoring	Manfred Meier	17.07.2007 14:25:25	tail -f /var/log/vmkwarning
BadTask	Storage	Manfred Meier	17.07.2007 14:25:55	Test

Public Repository Update Status 17.07.2007 12:58:37

**Tasks**

- New Custom Command
- Run selected Task
- Edit Task
- Publish selected Task
- Unpublish selected Task
- Delete selected Task
- List Publishers

**Repository**

- List Own Tasklist
- List Public Tasklist
- Synchronize Repository
- Save selected Task local
- Request Public Task
- Exit

## Run SSH commands

- Add necessary Parameter values and run the command

**Run Custom Task: List processes of running Virtual Machines** Author: Manfred Meier Category: ESX Settings

ps -ef | grep .vmx

List the process of the selected Virtual Machine on the host. This Task has one Parameter with a default value .vmx (will list all running Virtual Machines)

Parameter Name	Title	Default Value	Example Value	Mandatory	Value
+PARAMETER1+	VirtualMachineName	.vmx		yes	.vmx

Parameter Name: +PARAMETER1+  
Parameter Title: VirtualMachineName  
Default Value: .vmx  
Example Value:  
Enter Mandatory Value:

Run selected Task Cancel



## Logfiles window

- View-Search-Filter the most important logfiles on the host

