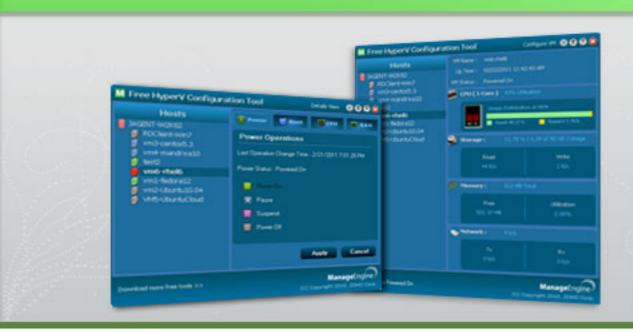# ManageEngine

Powering IT ahead

ManageEngine Free Tools
User Manual

HyperV Configuration Tool

Free Hyper-V Configuration – Documents

Free Hyper-V Configuration tool helps the administrator to configure Hyper-V virtual servers in their IT infrastructure. The tool also helps administrators to monitor the performance of Hyper-V host machine in real-time.

Getting Started

Click on the settings icon to fill the following details.

- Hostname/IP Address
- Domain Name
- UserName
- Password

Click on "Connect". Upon establishing connection, get to see the host server details in the Hyper-V server details view.

How to Configure?

This tool supports configuring four Hyper-V VM resources - Power Operations, Boot Order, CPU allocation, RAM allocation and Hard Disk allocation. Click on Configure VM and select the VM that needs to be configured.

Power Operation

Get to know the power status of VM and the time of last change. Click on Edit to change the power status. Choose the required power state and click on Apply.

Use this tool to Power On, Suspend, Pause and Power Off hyper-V VM's. The executable options alone are preseneted to the user. For example, VM's in On state would have the options to Suspend, Pause and Power Off enabled, and Power On disabled.

Boot Order

Virtual Machines could be booted from multiple hardware sources. Typical sources include:

- CD-ROM drive
- Hard Disk drive
- Floppy drive
- Network (Pxe Boot)

By default, these sources are set in a particular order for the VM to look for OS while booting. The tool lets you set the preferential order in which these sources needs to be looked up while boting.

Click on Edit followed by Up/Down to set the required boot order. Click on Apply once the required boot order is set. Use the reset button to leave the boot order undisturbed.

CPU

The processing power of the computer is proportionate to the load on the VM's. CPU's can be allocated based on the number of physical CPU cores present in the host machine.

Get to know the total number of processors available and the number of processors allocated for a particular virtual machine. Click on Edit and update the number of processors required in the given field and click on apply to save the configuration.

CPU Threshold

The tool comes with inbuilt threshold setting for CPU utilization that helps you know about any impending fault well in advance.

- Warning (60%) - colour coded in yellow
- Critical (80%) - colour coded in red

RAM

Memory can be configured in two ways using this tool - fixed allocation and flexible allocation. However the option to utilise flexible allocation would be enabled for view in the UI only if the host server setting allows flexible allocation to be performed on the VM.

Fixed Allocation

Click on Edit to specify the fixed RAM value in the provided field. Click on Apply to save the configuration.

Flexible Allocation

Flexible allocation is availabled only for Hyper-V versions Windows 2008 R2 SP1 and higher. The following parameters can be configured using flexible allocation:

- Minimum startup RAM - which will be allocated to each Virtual Machine when it is started.
- Maximum RAM - which Virtual Machine is allocated a maximum amount of RAM in its life
- Memory Buffer - which is the reserve memory for each Virtual Machine.

Once the required values are entered for these parameters, click on Apply for the new values to take effect.

Refresh

Press the Refresh button to know about the current status please use the Refresh icon. When the refresh icon is clicked the latest values of all the VM parameters are fetched and displayed in the GUI.

Retaining Settings

The following details are saved in the disk so that the host server credentials need not be entered again while restarting the tool.

- HostName
- Domain Name
- UserName
- Password [Encrypted using Triple DES] encryption standard.