



I T S A L L V B L O G P I C T S T A I L N C S R F T U A M . C O

W E D N E S D A Y , N O V E M B E R 1

VMware RCLI commands for ESXi

Using the RCLI to configure a VMware ESXi server.... All can be done via the Virtual Infrastructure client but with a little scripting to can easily configure, audit and manage multiple ESXi hosts.

I'll add real world syntax as I figure them out.... Updated 11-5-08

To help identify what command does you can use the --help switch with any of the perl scripts.

- vicfg-advcfg.pl - allows for the modification of any of the advanced configuration options.

vicfg-advcfg.pl --server 10.10.1.104 --get Cpu.MigratePeriod - returns the value of the Cpu.MigrationPeriod

- vicfg-cfgbackup.pl - can backup and restore ESX settings

vicfg-cfgbackup.pl --server 10.10.1.104 --save rwgood

- Restore the file

vicfg-cfgbackup.pl --server 10.10.1.104 --load rwgood --force

- vicfg-dns.pl allows you to change the DNS settings of a host
- vicfg-dumpart.pl > helps with the support files
- vicfg-module.pl > allows you to manage the loaded modules
- vicfg-mpath.pl - all sort of info on the VMFS paths

vicfg-mpath.pl --server 10.10.1.104 --list

- vicfg-nas.pl
- vicfg-nics.pl > configure the physical NICs in the host
- vicfg-ntp.pl > manage the NTP settings

vicfg-ntp.pl --server 10.10.1.104 --list > List the configured NTP servers on the host

vicfg-ntp.pl --server 10.10.1.104 --add time.gov > Adds time.gov to the ntp configuration

vicfg-ntp.pl --server 10.10.1.104 --delete time.gov > Removes the time.gov from the ntp configuration

vicfg-ntp.pl --server 10.10.1.104 --start > Starts the NTP service on the host

vicfg-ntp.pl --server 10.10.1.104 --stop > Stops the NTP service on the host

- vicfg-rescan.pl > rescanning for VMFS and storage
- vicfg-route.pl
- vicfg-snmp.pl > configure your SNMP settings
- vicfg-syslog.pl > configure the ESX host syslog target
- vicfg-user.pl > local ESXi user management

vicfg-user.pl --server 10.10.1.104 -e user -o add -l Newusername -p password --role admin > This will add the user called Newusername with a password of password to the host and give the the permission of admin. --role options are the following admin read-only no-access

vicfg-dns.pl --server 10.10.1.104 > this will show you the DNS settings for the host

- vicfg-vmhbadvs.pl > all about the HBAs
- vicfg-vmknics.pl > more and same info for you nics
- vicfg-vswitch.pl > configuring the vSwitches

vicfg-vswitch.pl --server 10.10.1.104 --add mine > adds new vSwitch called mine

vicfg-vswitch.pl --server 10.10.1.104 --add-pg public mine > adds a port group called public to the vSwitch mine

vicfg-vswitch.pl --server 10.10.1.104 --pg mine --vlan 100 > This adds a vlan tag of 100 to the port group mine.

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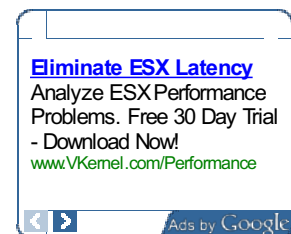
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vicfg-vswitch.pl --server 10.10.1.104 --link vmnic1 mine > adds the vmnic1 to the vSwitch called mine

- vifs.pl> used to move files to and from the ESX host
- vihostupdate.pl> updating and patching the ESX i

vihostupdate.pl --server 10.10.1.104 --bundle --install ESXe350-200807812-O-BG.zip > Install the ESXe patch on server 10.10.1.104

NEW - Built a utility to help update visit <http://www.itsallyvirtua.com/> downloads

vihostupdate.pl --server 10.10.1.104 -q > shows the version of the ESXi host

- vmkfstools.pl> same as always managing disk
- vmkuptime.pl - does nothing yet
- vms.pl
- vmware-cmd.pl> same as always managing the VMs on the host

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