

---

## VML COMMANDS V2 (08/29/08)

---

### NAME

**vml** – Virtual Machine Logbook

### SYNOPSIS

**vml** [ **vml\_options** ] **vml\_command** [ **command\_options** ] [ **command\_arguments** ]

### VML OPTIONS

**-H** [ **--help** ]

display usage information about the VML

**--help-commands**

Display usage information about the VML command

### VML COMMANDS

Here are brief descriptions of all the VML commands:

#### **consult**

list all the entries present inside the local repository.

```
example% vml consult
```

#### **create mode vm\_file entry\_name [log\_msg]**

create a new entry in the local repository according to the **vm\_path** by copying the VM.  
The modes permitted with VML creates are:

<b>-d, --disk</b>	create an entry with the disk(s) copy of the VM
<b>-s, --snapshot</b>	create an entry with the snapshot of the VM
<b>-e, --environment</b>	create an entry with the environment copy

```
example% vml create /var/vmware/cernVM_07.vmx my_experiment
```

```
example% vml create -s /var/vmware/cernVM_07.vmx my_exp_snapshot
```

```
example% vml create -e /var/vmware/cernVM_07.vmx my_exp2 "my log"
```

#### **delete entries...**

remove the entries specified from the local repository.

```
example% vml delete experience_080808
```

```
example% vml delete exp_cernVM_07 exp_cernVM_08
```

#### **get-cernvm [options] [destination\_path]**

download the latest CernVM release to the **destination\_path**. If no **destination\_path** is defined VML will store the file into the default destination path. The options permitted with 'vml get-cernvm' are :

- i NAME , --import=NAME  
when downloading is done, import the entry into the local repository with the given name.
- o NAME, --open=NAME, -io NAME  
when downloading is done, import the entry into the local repository with the given name and then open it.
- v VERSION, --version=VERSION  
VML will download the CernVM according to the version specified

```
example% vml get-cernvm /var/vmware/vm
example% vml get-cernvm -v 0.7 -o my_experience /var/vmware/vm
```

### **export entry destination\_file**

export the local entry into the destination\_file. destination\_file may be in a remote location.

```
example% vml export experience_080808 $HOME/export_file.vml
example% vml export experience_080808 electra.lbl.gov/experiences/exp.vml
```

### **get [options] -r source\_file [destination\_path]**

download the entry from a remote repository. If no destination\_path is defined VML will store the file into the default destination path. The options permitted with 'vml get' are :

- i NAME, --import= NAME  
when downloading is done, import the entry into the local repository with the given name.
- o NAME, --open= NAME, -io NAME  
when downloading is done, import the entry into the local repository with the given name and then open it.

```
example% vml get -r electra.lbl.gov/experience_080808.tar.gz $HOME/VMs
example% vml get -I my_exp -r electra.lbl.gov/atlas_exp3.tar.gz
example% vml get -o cern08 -r electra.lbl.gov/CernVM_08.tar.gz $HOME
```

### **import [-o, --open] name source\_file**

import the entry represented by the file into the local repository. If the flag -o [--open] is specified, the entry will be open after the importation. The entry will be imported into the repository with the given name.

```
example% vml import my_exp1 $HOME/atlasentry0.9
example% vml import -o my_exp2 $HOME/atlasentry0.8
```

### **open entry**

open the specified entry from the local repository

```
example% vml open atlas_exp3
```