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## VML COMMANDS V1 (08/28/08)

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### 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** [**-r** '**remote repository address**']

list all the entries present inside the local repositories. If the flag **-r** is specified, VML will list all the entries present at the remote repository address.

```
example% vml consult
example% vml consult -r electra.lbl.gov
```

**create** [**options**] **vm\_path** **entry\_name**

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

**-s** [**--snapshot**] create an entry with the snapshot of the VM  
**-e** [**--environment**] create an entry with the environment copy

```
example% vml create /var/vmware/cernVM_07 my_experiment
example% vml create -s /var/vmware/cernVM_07 my_exp_snapshot
example% vml create -e /var/vmware/cernVM_07 my_exp_env
```

**delete** [**-r** '**remote repository address**'] **entries...**

remove the entries specified from the local repositories. If the flag **-r** is specified, VML will remove the entries present at the remote repository address.

```
example% vml delete experience_080808
example% vml delete exp_cernVM_07 exp_cernVM_08
example% vml delete -r electra.lbl.gov atlas_exp3
```

**downloadCernVM** [**-v** **version**] **destination\_path**

download the latest CernVM release to the `destination_path`. If the flag `-v` is used, VML will download the CernVM according to the version specified.

```
example% vml downloadCernVM /var/vmware/vm/  
example% vml downloadCernVM -v 0.7 /var/vmware/vm
```

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

export the local entry into the `destination_file`.

```
example% vml export experience_080808 $HOME/export_file
```

#### **get [options] -r 'remote repository address' entry destination\_path**

download the entry from the remote repositories. The options permitted with 'vml get' are :

```
-i [--import]    import the entry into the local repository when downloading is  
done  
-o [--open]     import the entry into the local repository when downloading is  
done and then open it.
```

```
example% vml get -r electra.lbl.gov experience_080808  
example% vml get -i -r electra.lbl.gov atlas_exp3  
example% vml get -o -r electra.lbl.gov exp_CernVM_08  
example% vml get -io -r electra.lbl.gov exp_CernVM_08
```

#### **import [-o, --open] files...**

import the entry represented by the files into the local repository. If the flag `-o` [`--open`] is specified, the entry will be open after the importation

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

#### **open entry**

open the specified entry from the local repository

```
example% vml open atlas_exp3
```

#### **publish -r 'remote repository address' entries...**

publish the entries to the remote repository

```
example% vml publish -r electra.lbl.gov atlas_exp3 exp_CernVM_08
```

#### **start [-p port]**

start the server service of VML. The flag `-p` allow the user to choose a new port instead of the default one for the VML server service.

```
example% vml start  
example% vml start -p 1234
```



**stop [-p port]**

stop the server service of vml. The flag `-p` is to specify that VML has to stop a service running on a different port than the default one.

```
example% vml stop  
example% vml stop -p 1234
```