

# VMWare Provisioning

## Members

username
cmccoy
wapardi
pfurtado

## Repository

<http://crew-git.ccs.neu.edu/git/vmp>  
[git@crew-git.ccs.neu.edu/vmp](mailto:git@crew-git.ccs.neu.edu/vmp)

## Documentation

- [https://docs.google.com/document/d/1w\\_W4A39CHGzUIYh\\_GtsKK5HuNBPSdX6Xuvu7JltFCXE/edit?hl=en&authkey=COyanrUL](https://docs.google.com/document/d/1w_W4A39CHGzUIYh_GtsKK5HuNBPSdX6Xuvu7JltFCXE/edit?hl=en&authkey=COyanrUL)

## Tools

<b>PowerShell</b>
<a href="#">Official powershell support</a>
<b>Python</b>
<a href="#">monitoring with pywbem</a>
<a href="#">python api pyvix (could use more research)</a>
<b>libvirt</b>
<a href="#">libvirt VMware (ESX/ESXi/GSX/etc) driver</a>

## Goals

- Eliminate repetitive clicking
- Automate everything

## Vision

- Out of band tool which collects statistics and performs actual tasks at scheduled intervals
- Web front end which ties into ccis-ldap which allows requesting, rule setting, status viewer

## Bookmarks

- <http://www.vmware.com/support/developer/vc-sdk/visdk41pubs/ApiReference/index.html>
- <http://vijava.svn.sourceforge.net/viewvc/vijava/trunk/src/com/vmware/vim25/mo/samples/?sortdir=down>

## News

- Python + libvirt is complete and utter fail. I have never been so disappointed.
  - Impossible to follow documentation (incomplete)
  - Authentication is a joke
  - Research of product is taking longer than manually creating 5 million vms
- Jython seems very promising. Currently installed jython on the test box for an evening of hacking fun
- We can now make vms using the api, code has been pushed to the repo
- 2/21 Made first vm using api, pretty sweet stuff
- Also changed password for the api user
- limbourne has been re-added to vSphere (we all need admin access on the crew "datacenter" - Done 1 Mar 2011 BillF)
- Need to create a user for the api, unless we are going to be using our own accounts
- On to the frontend, I'm working on some initial stuff before we get to a base commit

