# What software/configuration does a VM on vCloud need.

## Windows

* **STAF** : \\Eng-be-file\wqa\Software\STAF (configured to trust everyone: add “trust level 5 default” to config file), running in the Administrator session (must be able to access the windows console to spawn AutoIt scripts)
* **Autologon** : \\Eng-be-file\wqa\Software\Tools\Autologon.exe (configured for Administrator account)
* **Mount network share** \\10.132.0.242\WQA as Y: (using VASCO\lm-user)
* Disable Firewall
* Install AD MMC
  + Search for MMC
  + In the Console Go to File > Add/Remove Snapp-in… > Add Active Directory Users and Computers role
* Turn off password complexity
* Turn off Windows Updates
* Turn off screensaver
* If Identikey needs to be installed on it (assume it will be the case when uncertain), Internet Explorer must be the default browser + Enhanced Security Configuration needs to be turned off (see Server Manager > Configure IE ESC) + SmartMonitoring must be disabled. Basically, when starting the default browser (Win+R [http://google.com](http://googe.com)), Internet Explorer must open without any modal dialog impeding the automation of requesting an evaluation license.

## DC

All of the above +

* DNS Reverse Lookup zone
* Install and configure NPS (don’t forget to update Policies > Network Policies: change all policies to “Grant access” + “Ignore user account dial-in properties” in the Overview tab and enable CHAP and PAP protocols in the “Constraints” tab) + create IAS client
* Install and configure Certificate Authority
* Create iasadmin user
* In the group policy
  1. enable “Store passwords using reversible encryption”
  2. gpupdate /force
  3. Reset the domain administrator’s password so it is stored with reversible encryption, too

## Linux

* **STAF** : \\Eng-be-file\wqa\Software\STAF (configured to trust everyone: add “trust level 5 default” to config file), running in the Administrator session (must be able to access the windows console to spawn AutoIt scripts)
* **Mount network share** \\10.132.0.242\WQA as Y: (using VASCO\lm-user)
* Install curl >= 7.30.0 (Sometimes this is already installed depends on Linux Distro)
* Install Tcl >= 8.5 (Sometimes this is already installed depends on Linux Distro)
* Disable Firewall

As an example, here is how I setup the Ubuntu boxes for IAS 3.5.0 tests (expect + Tcl were already installed in the base image, I guess):

1. Point /media/wqa to share and make it mount automatically:

# as administrator, not root

sudo mkdir -p /media/wqa

sudo apt-get install smbfs

sudo echo '//10.132.0.242/WQA /media/wqa cifs user=VASCO\lm-user,password=Shared1234 0 0' >> /etc/fstab

1. Setup SSH keys (for root and administrator)
2. Install some software (openssh, curl):

sudo apt-get update

sudo apt-get install openssh-server

sudo apt-get install curl

1. Install STAF

curl -v --location "<http://downloads.sourceforge.net/project/staf/staf/V3.4.14/STAF3414-linux.tar.gz?r=http%3A%2F%2Fstaf.sourceforge.net%2Fgetcurrent.php&ts=1380018441&use_mirror=optimate>" | \

  tar xzf -

cd staf

sudo ./STAFInst -acceptlicense -type f -rw 666 -ro 444 -rx 555 -dp 777

cd ..

rm -rf staf

# edit /usr/local/staf/bin/STAF.cfg to add 'trust level 5 default'

# edit /etc/rc.local to add (on top of exit 0) '/usr/local/staf/startSTAFProc.sh'

## CentOS

1. Install unixODBC

yum install unixODBC