

# Infrastructure Maintenance

## How To

*Add a WN into the pool*

*Remove a WN from the pool*

*Check that a runasroot WN is correctly setup*

*Find and access an hypervisor of a WN*

## Problems encountered

### OverflowError: modification time overflows a 4 byte field

#### Log

```
Traceback (most recent call last):
  File "/home/condor/execute/dir_18442/userdir/etics/bin/etics-plugin-manager", line 35, in ?
    import CommandBase
OverflowError: modification time overflows a 4 byte field
```

#### Cause

Negative uptime encountered

```
uptime
09:57:09 up -24855 days, -3:-14
```

#### Where

Kernels 1.6.\*

So far it happened in SLC4 64bit (lxetvm0062)

#### Solution

reboot the WN

cron job to reboot the WN when no jobs are running

```
0 * * * * sh negative_uptime_monitor.sh

>>>> negative_uptime_monitor.sh
#!/bin/bash
if [ "`uptime | grep -c "up -" -gt "0" ]
then
    while [ "`ls /home/condor/execute | wc -l`" -gt "0" ]
    do
        sleep 10
    done

    condor_master stop
    reboot
fi
```

## afs\_check\_server takes up 80% of CPU

### **Log**

The WN is then slow and a build takes much longer.

### **Cause**

??

### **Where**

ixetvm0073 (SLC4 32 bit)

### **Solution**

??

## Machine dirty with some packages

### **Log**

The WN has some rpm installed that should not be there.

### **Cause**

Give access to DM to let them make some tests.

### **Where**

ixetvm0074

### **Solution**

Delete the machine, deploy a new one and do not give more access to them.

## Build WN got crazy with time

### **Log**

The WN went back to January 1970.

### **Cause**

The uptime becomes negative because a bug in kernel 2.6.9

**Where**

ixetvm0062

**Solution**

Delete the machine, deploy a new one and setup a cron that checks the uptime.