References:

http://rsync.samba.org/ftp/rsync/rsync.html
http://rsync.samba.org/ftp/rsync/rsyncd.conf.html

Backup your Linux Desktop with rsync
http://www.linux.com/article.pl?sid=04/09/15/1931240

rync on Windows

There is a variety of choices on Windows (besides the full cgywin package) but they all use these two files as the foundation for rsync to work:

rsync.exe
cygwin1.dll

File dates are important. At work, I started with the files here on our systems which were dated back in 2002 and would not work with 2.6.x rsync daemon that was running on our Novell server.

Dates on my files are 11/7/2006 and 8/7/2006 respectivity.

There was a source forge project sync2nas that used the older files. If you update it with the new files, sync2nas still works and like the interface better than its replacement NasBackup which looks very similiar to the Sync2Nas interface (probably based on it) but NasBackup requires you to run the actual backup from a seperate icon where Sync2Nas runs the backup on application.

There is also cwRsync which is another wrapper around rync while not having the latest rsync.exe, does work with 2.6.x

rync: installation and implementation on Windows
http://cephas.net/blog/2003/02/25/rsync-installation-and-implementation/

rsync on NT – daemon mode.
http://samba.anu.edu.au/rsync/nt.html

cwRsync – Howto Windows rsync.
http://www.rsync.net/resources/howto/windows_rsync.html
Click on cwRsync in nav menu on left.
http://www.itefix.no/phpws/

NasBackup
http://www.nasbackup.com/index.php/Introduction
Documentation download
http://www.nasbackup.com/index.php/Introduction
Client Installation Kit
http://www.nasbackup.com/index.php/Downloads
NasBackup client installation kit, version 1.06.
NasBackup client can be use as rsync client on Windows OS.

Ubuntu PBA rsync configuration

rc.local

```
#!/bin/sh -e

/home/vmware/bin/data.sh
chown -R nobody:users /home/vmware/public/Data
# rsync --daemon
su -c "/home/vmware/bin/partimaged -D -g" vmware

exit 0
```

rsyncd.conf

```
gid = vmware
max connections = 0
transfer logging = true
log format = %h %o %f %l $b
log file = /var/log/rysncd.log

[PCtest]
        path = /home/vmware/public/Data
        comment = test rsync area for PC test
        read only = no
        use chroot = no
        timeout = 3600
#       use lfs = yes
        hosts allow = 10.30.100.36
        hosts deny = *
```

```
# SuSE 10.30.100.143 (openSUSE 10.1)
# rsyncd.conf

uid = nobody
gid = nobody
max connections = 0
transfer logging = true
log format = %h %o %f %l %b
log file = /var/log/rsyncd.log

[PCtest]
        path = /Data/PCtest
        comment = test rync area for PC Test
        read only = no
        use chroot = no
        timeout = 3600
#       use lfs=yes
        hosts allow = 10.30.100.36
        hosts deny = *

[SuSE]
        path = /Data/SuSE
        comment = test area for SuSE server
        read only = no
        use chroot = no
        timeout = 3600
        hosts allow = 10.30.100.249
        hosts deny = *
```

Home backup:

```
rsync –avr /home/tinsleyc/Documents 172.30.0.66::LAPTOP
# creates/syncs /Documents folder in LAPTOP data area

rsync –avr 172.30.0.66::LAPTOP /home/tinsleyc
# creates/syncs whatever is in LAPTOP to /home/tinsleyc

rsync –avr 172.30.66::PCtest/rsync /home/tinsleyc
# creates/syncs whatever is in PCtest/rsync data folder in /home/tinsleyc including folders recursively.
```

cwRysnc batch (cmd) file – Windows.

```
@ECHO OFF
REM ************************************************************************
REM
REM CWRSYNC.CMD - Batch file template to start your rsync command (s).
REM
REM By Tevfik K. (http://itefix.no)
REM ************************************************************************

REM Make environment variable changes local to this batch file
SETLOCAL

REM ** CUSTOMIZE ** Specify where to find rsync and related files (C:\CWRSYNC)
SET CWRSYNCHOME=C:\PROGRAM FILES\CWRSYNC

REM Set CYGWIN variable to 'nontsec'. That makes sure that permissions
REM on your windows machine are not updated as a side effect of cygwin
REM operations.
SET CYGWIN=nontsec

REM Set HOME variable to your windows home directory. That makes sure
REM that ssh command creates known_hosts in a directory you have access.
SET HOME=%HOMEDRIVE%%HOMEPATH%

REM Make cwRsync home as a part of system PATH to find required DLLs
SET CWOLDPATH=%PATH%
SET PATH=%CWRSYNCHOME%\BIN;%PATH%

REM Windows paths may contain a colon (:) as a part of drive designation and
REM backslashes (example c:\, g:\). However, in rsync syntax, a colon in a
REM path means searching for a remote host. Solution: use absolute path 'a la unix',
REM replace backslashes (\) with slashes (/) and put -/cygdrive/- in front of the
REM drive letter:
REM
REM Example : C:\WORK\* --> /cygdrive/c/work/*
REM
REM Example 1 - rsync recursively to a unix server with an openssh server :
REM
REM       rsync -r /cygdrive/c/work/ remotehost:/home/user/work/
REM
REM Example 2 - Local rsync recursively
REM
REM       rsync -r /cygdrive/c/work/ /cygdrive/d/work/doc/
REM
REM Example 3 - rsync to an rsync server recursively :
REM    (Double colons?? YES!!)
REM
REM       rsync -r /cygdrive/c/doc/ remotehost::module/doc
```

```
REM
REM Rsync is a very powerful tool. Please look at documentation for other options.
REM

REM ** CUSTOMIZE ** Enter your rsync command(s) here

REM rsync -avr /cygdrive/c/CDrom/ 10.30.100.10::PCtest/CDrom
REM rsync -avR /CDrom/ 10.30.100.10::PCtest
REM rsync -avr PCtest::10.30.100.10 /cygdrive/c/CDrom/
REM rsync -avR /CDrom/ 10.30.100.10::PCtest
REM rsync -avR 10.30.100.10::PCtest/CDrom /
rsync -avR 10.30.100.10::PCtest/CDrom /cygdrive/c/
```