

Best Backup

Providing Peace of Mind for Business



Quick Start Guide – UNIX / Linux

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Best Backup v5.2

Quick Start Guide

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Introduction

This quick start guide will take you through the key steps required to get up and running with the Best Backup online data backup & storage service. Once you have completed the setup of the Best Backup agent and created your first backup policy, you may wish to peruse the user guide which is available from the download page at www.bestbackup.net. The user guide contains detailed information about all of the functions available in the agent and advice on backing up key applications.

System Requirements

In order to run the Best Backup Agent for Microsoft Windows, your system needs to meet the following minimum requirements:

- Operating System : Solaris, AIX, HP-UX, FreeBSD, SCO UNIX and all major Linux distributions, e.g. Redhat, SUSE, Fedora Core 5, UBUNTU, MANDRIVA
- Memory : 128 Mbytes
- Disk Space : 100 Mbytes
- Network Protocol : TCP/IP (Http/Https)

Download

Download the UNIX/Linux Best Backup Agent to the machine(s) you wish to protect from www.bestbackup.net/downloads.html

Agent Installation - Linux

1. After you have downloaded the UNIX/Linux archive file above, check that you are still connected to the Internet.
2. Unpack the install file to /usr/local/obm
 - i. `mkdir /usr/local/obm`
 - ii. `cd /usr/local/obm`
 - iii. `gunzip bba1-nix.tar.gz`
 - iv. `tar -xf bba1-nix.tar`
3. Install the Best Backup Agent
 - i. `./bin/install.sh >install.log`
All installation audit information can be found in the file "install.log"

The backup scheduler and auto upgrade services are automatically installed. Backup sets can now run at their scheduled times automatically (as long as the machine is switched on and connected to the Internet at the scheduled times).

4. The Best Backup agent is now installed. Please go to either the [X Window](#) or [command line mode](#) sections in the document to continue installation.

Agent Installation - BSD

1. After you have downloaded the UNIX/Linux archive file above, check that you are still connected to the Internet.
2. Download the J2SE Java Runtime Environment (JRE) 1.4.x or later

Depending on your platform and BSD release, download the corresponding JRE and dependant packages. For purposes of this guide, the example we are using is based on FreeBSD 6.1 i386:

Download javavmwrapper-2.3.tbz and diablo-jre-freebsd5.i386.1.5.0.07.01.tbz from the following sites:

<http://www.freebsd-fr.org/ports/java.html#javavmwrapper-2.3>

<http://www.freebsdoundation.org/downloads/java.shtml>

http://www.freebsd.org/ports/java.html#diablo-jre-1.5.0.07.01_3 (Check the package dependency of your machine)

3. Install J2SE Java Runtime Environment (JRE) 1.4.x or later to /usr/local/diablo-jre1.5.0

Use the following commands to install the package:

- i. `pkg_add javavmwrapper-2.3.tbz`
- ii. `pkg_add diablo-jre-freebsd5.i386.1.5.0.07.01.tbz`

4. Create a symbolic link for JRE

- i. `ln -s /usr/local/diablo-jre1.5.0 /usr/java`

If you are using csh as your shell, you need to type "rehash" and hit enter to make the symbolic link take effect. For other shell types it should work.

- ii. `setenv JAVA_HOME /usr/java`

5. Verify the installed JRE

- i. `JAVA_HOME/bin/java -version`

Check for warnings:

With warning

Java HotSpot(TM) Client VM warning: Can't detect initial thread stack location java version "1.4.2_12"

Java(TM) 2 Runtime Environment, Standard Edition (build 1.4.2_12-b03)

Java HotSpot(TM) Client VM (build 1.4.2_12-b03, mixed mode)

Without warning

java version "1.5.0"

Java(TM) 2 Runtime Environment, Standard Edition (build diablo-1.5.0-b01)

Java HotSpot(TM) Client VM (build diablo-1.5.0_07-b01, mixed mode)

6. Unpack the install file to /usr/local/obm
 - i. mkdir /usr/local/obm
 - ii. cd /usr/local/obm
 - iii. gunzip bba1-nix.tar.gz
 - iv. tar -xf obm-nix.tar
7. Remove bundled jvm
 - i. rm -rf /usr/local/obm/jvm
8. Install the Best Backup Agent
 - i. ./bin/install.sh >install.log

All installation audit information can be found in the file "install.log"

9. Install the backup scheduler and auto upgrade services

Add two entries to system file /etc/rc.conf for auto starting backup scheduler and auto upgrade agent.

- i. obmaua_enable="YES"
- ii. obmscheduler_enable="YES"

Restart computer or run the following scripts:

- i. /usr/local/etc/rc.d/obmscheduler start &
- ii. /usr/local/etc/rc.d/obmaua start &

10. The Best Backup agent is now installed. Please go to either the [X Window](#) or [command line mode](#) sections in the document to continue installation.

Agent Setup – X Windows

1. Set the DISPLAY environment variables

Linux / Unix (sh, bash): DISPLAY=IP_ADDRESS_OF_XTERMINAL[:0.0]; export DISPLAY

For example;

DISPLAY=:0.0; export DISPLAY
or DISPLAY=127.0.0.1; export DISPLAY
or DISPLAY=127.0.0.1:0.0; export DISPLAY
or DISPLAY=192.168.0.2; export DISPLAY
or DISPLAY=192.168.0.2:0.0; export DISPLAY

BSD (csh): setenv DISPLAY IP_ADDRESS_OF_XTERMINAL[:0.0]

For example

setenv DISPLAY :0.0
or setenv DISPLAY 127.0.0.1
or setenv DISPLAY 127.0.0.1:0.0
or setenv DISPLAY 192.168.0.2
or setenv DISPLAY 192.168.0.2:0.0

2. Open the Best Backup Agent
 - i. `sh /usr/local/obm/bin/BackupManager.sh &`
3. If you are trialling our service, select **Trial Registration** and press the **Next** button
 - i. Enter the **Login Name** and **Password** of your choice. We would suggest that you choose a login name that reflects your organisation name plus a unique name, i.e. your machine name. For example, acme-server001.

Important: Both login Names and Passwords are case sensitive

- ii. Enter your **Email address** in the text field provided.

Important: You will need to provide an email address for an account you have access to in order to receive backup and restore status reports.

- iii. Press the **Submit** button
 - iv. You should now be authenticated to the Storage Vault. If the Login Name you chose is already taken by another user, you will be prompted to try a different login name.
4. If you have a backup account already, select **User Logon** and login to the Storage Vault with your existing Login Name and password.

Important: Both login Names and Passwords are case sensitive

5. If this is your first time logging into the Storage Vault, you will be guided to create a backup set
 - i. Enter a backup set name of your choice in the **Name** field
 - ii. Select the files that you want to backup
 - iii. Setup the backup schedule by pressing the **Properties** button (please note that you can add multiple backup schedules to a backup set)
 - iv. Setup the encryption setting for your backup set.

We recommend that you set a separate encryption key and keep a written copy of it in a safe place. You will not be able to restore files without it.

- v. Press the **Finish** button

Scheduled backups will run automatically if you leave your computer on.

6. To run a backup immediately, select your backup set from the left panel and press the **Start Backup** button above. Select **Off-site Backup Server** and press the **OK** button.

7. Congratulations, you have finished the Best Backup quick setup process. For more detailed information about backing up applications, etc. Consult the user guide available from the Download page at www.bestbackup.net.

Agent Setup – Command Line Mode

1. Use the Best Backup web interface (<https://vault001.bestbackup.net>) to add, update and remove backup sets
 - i. If you want to update a backup set, make changes to a backup set and press the **Update** button
 - ii. If you want to add a new backup set, click the **Add** link
 - iii. If you want to remove a backup set, Select the backup set to be remove and click the **Remove** link
2. Using Backup Configurator through the local machine command line
 - i. `sh /usr/local/obm/bin/Configurator.sh`
3. Enter your Login Name, Password, Storage Vault URL and proxy setting as shown below
 - i. Login Name: userXXX
 - ii. Password: *****
 - iii. Backup Server URL: vault001.bestbackup.net
 - iv. Which Protocol ? (1) Http (2) Https : 1
 - v. Use proxy ? (Y)es or (N)o : Y
 - vi. Proxy Type ? (1) Http/Https Proxy (2) SOCKS : 1
 - vii. Enter proxy server : aaa.bbb.com
 - viii. Enter proxy port : xxx
 - ix. Enter proxy username (optional) : administrator
 - x. Enter proxy password (optional) : *****
4. If you have created a new backup set using the web interface, you can set the encryption key, the encrypting algorithm and the encrypting mode of this backup set by following instructions below.

Important: You cannot change these parameters once they are set

Found new backup set 'xxx'

Please enter the following values for this backup set:

- i. Encrypting Algorithm ?
- ii. (1) Twofish (2) AES (3) Triple DES (4) No encryption : 1
- iii. Encrypting Key: *****
- iv. Re-Enter Encrypting Key: *****
- v. Encrypting Mode ? (1) ECB (2) CBC : 1
- vi. Run scheduled backup on this computer ? (Y)es or (N)o : Y

5. If you want to make any changes to the settings above, you can use the main menu below to do so.

Main Menu:

- (1). List Backup Setting
- (2). Change Password
- (3). Change Network Setting
- (4). Change run scheduled backup setting
- (5). Toggle Masked Field (Password, Encryption Key)
- (6). Generate Configuration Report (text format)
- (7). Quit

Your Choice:

6. Although backups will automatically run to the schedule that you set in the web based interface Backups can also be manually invoked by executing the command below.

- i. `sh /usr/local/obm/bin/RunBackupSet.sh BACKUP_SET`

where **BACKUP_SET** is the name of the backup set to be run

7. Congratulations, you have finished the Best Backup quick setup process. For more detailed information about backing up applications, etc. Consult the user guide available from Download page at www.bestbackup.net.