

Ahsay Offsite Backup Server v5.x

Installation and Upgrade Guide

Version 5.x
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Ahsay Offsite Backup Server v5.x

Installation and Upgrade Guide

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Table of Content

1	Installation Guide	4
1.1	Windows Platform	4
1.2	Linux/Unix Platform	6
1.3	Mac OS X Platform	9
2	Upgrade Guide	11
2.1	Auto Upgrading AhsayOBM	11
2.2	Upgrading AhsayOBS from releases earlier than 5.1.0.6	11
2.3	Windows Platform	11
2.4	Linux/Unix Platform	14
2.5	Mac OS X Platform	16
3	Customization Guide for AhsayOBS upgrade	18
4	Further Information	20

1 Installation Guide

1.1 Windows Platform

■ Download

Please download the corresponding version of the software you required from our website, namely "Windows" -> "New Installation".

■ Install

1. Logon as [administrator] to Windows 2000 / XP / 2003
2. Run *obsr-win.exe* downloaded
3. Follow the instructions on the installation wizard to complete installation
4. Upon completion, Ahsay Offsite Backup Server & Ahsay Replication Server should now be started automatically.

■ Get Started

1. Point your browser to <http://localhost/>
2. Click the [Backup System Administration Logon] link and logon to the backup server. The default username and password is "system" and "system" respectively.
3. Put the hostname of this computer (e.g. backup.your-company.com) into the [Host Name] text field
4. Set the [User Homes] directories:

[User Homes] refers to directories where Ahsay Offsite Backup Server stores the backup files and backup activity logs for all its users. You should set [User Homes] to directories where there are lots of free spaces.
5. Put the hostname of your SMTP Server (e.g. smtp.your-company.com) into the [SMTP Server] text field
6. Enter your name and email address into the [Administrative Contact] and [Report Sender] text fields
7. Press the [Update] button
8. Add a backup user to the system
 - i. Click the [Manage User] link available at the top menu
 - ii. Add a backup user to the system by filling in the form provided
9. Install AhsayOBM onto a client machine

(Registered partners only) If you want to customize AhsayOBM (e.g. putting your own name, logo and backup server URL setting inside the EXE installer), please do this:

- i. Visit <http://partners.ahsay.com/>
- ii. Logon to the AhsayOBM customization portal (use the email you have registered to retrieve your password if you don't know your login name and password)
- iii. Follow the instructions available on the page there to complete your customization.

- i. Go to a client machine and point the browser to <http://your-server/>
- ii. Click the [Backup User Logon] link
- iii. Logon with the login name and password of the user you have just created
- iv. Click then [Install Software] link available at the top of the page
- v. Follow the instructions of the installation wizard to complete the installation

10. Run AhsayOBM

Right click Ahsay Online Backup Manager icon available in the system tray (next to your system clock) and choose [Open]

11. Create a backup set

- i. From the Menu, Choose [Backup Set] → [New] → [File Backup Set]
- ii. Enter a name for your backup set
- iii. Select the files/directories that you want to backup
- iv. Define your backup schedule
- v. Select your preferred encrypting algorithm, mode and key (Hint: For better security, please select AES algorithm in CBC mode and choose an encrypting key with more than 8 characters)

12. Run Backup

- i. Highlight the backup set that you want to run on the left panel and press the [Start Backup] button
- ii. Select [Off-site Backup Server] to backup your files to your backup server and press the [OK] button

■ Startup/Shutdown Instructions

1. Select [Ahsay Offsite Backup Server and Ahsay Replication Server] (or [Ahsay Offsite Backup Server]) service from:

For Windows NT

[Control Panel] → [Services]

Windows XP

[Control Panel]
→ [Performance and Maintenance]
→ [Administrative Tools]
→ [Services]

Windows 2000/2003

[Control Panel]
→ [Administrative Tools]
→ [Services]

2. To startup AhsayOBS, press the [Start] button
3. To shutdown AhsayOBS, press the [Stop] button

1.2 Linux/Unix Platform

■ Download

Please download the corresponding version of the software you required from our website.

■ Install

1. Logon as [root] to Linux / Unix

2. Define the directory you would like to install the software by setting the OBS_HOME environment variable. For example, to install AhsayOBS to '/usr/local/obs', just do the followings:

```
[root]# OBS_HOME=/usr/local/obs; export OBS_HOME
```

3. If you are using a Linux kernel (e.g. 2.4.20 - 2.4.x) which contains an unstable implementation of NPTL POSIX threading library (e.g. from RedHat 9.0 to RedHat Fedore Core 2), please set the LD_ASSUME_KERNEL environment variable to 2.4 to revert to the LinuxThread library.

```
[root]# LD_ASSUME_KERNEL=2.4; export LD_ASSUME_KERNEL
```

4. Copy the installation file, obsr-nix.tar.gz, to \$OBS_HOME and untar it.

```
[root]# mkdir $OBS_HOME
[root]# cp obsr-nix.tar.gz $OBS_HOME
[root]# cd $OBS_HOME
[root]# gunzip obsr-nix.tar.gz
[root]# tar -xf obsr-nix.tar
```

5. (if not Linux) Please do the following if you are not installing AhsayOBS on Linux, i.e. FreeBSD, Solaris or other Unix distributions:

- i. Remove bundled Linux Java2 1.6.0 Development Kit from AhsayOBS & AhsayRPS

```
[root]# rm -rf $OBS_HOME/java
```

- ii. Install J2SE Java2 Development Kit (JDK) 1.5.0 or later to your system and export the full path to the JDK as JAVA_HOME environment variable. For example,

```
[root]# JAVA_HOME=/usr/local/jdk1.5.0; export JAVA_HOME
```

6. Install AhsayOBS

```
[root]# sh $OBS_HOME/bin/install.sh
```

Once you have completed the steps above, the AhsayOBS will start automatically upon machine restart.

7. (For BSD only) Install the backup scheduler and autoupgrade services

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

```
obs_enable="YES"
```

8. Installation completed

Point your browser to <http://localhost/>. You should see the AhsayOBS Web Management Console

■ (Optional) Using a native JDK on FreeBSD

For FreeBSD, you can choose to run AhsayOBS on a FreeBSD native JDK. Please do the following to tell AhsayOBS to use a FreeBSD native JDK:

1. Install Linux binary compatible port to the FreeBSD machine

2. Install the Linux version of Sun Java 1.5.0 or above JDK onto the FreeBSD machine
3. Compile the FreeBSD native Java 1.5.0 SDK using the JDK compiler installed in the previous step
4. Install the FreeBSD native Java 1.5.0 SDK onto the FreeBSD machine
5. Create a symbolic link from \$OBS_HOME/java to \$JAVA_HOME (installed in previous step)
6. Run `"/usr/local/etc/init.d/obs start"` or `"/etc/init.d/obs start"` to startup AhsayOBS

■ Get Started

1. Point your browser to <http://localhost/>
2. Click the [Backup System Administration Logon] link and logon to the backup server. The default username and password is "system" and "system" respectively.
3. Put the hostname of this computer (e.g. backup.your-company.com) into the [Host Name] text field
4. Set the [User Homes] directories:

[User Homes] refers to directories where Ahsay Offsite Backup Server stores the backup files and backup activity logs for all its users. You should set [User Homes] to directories where there are lots of free spaces.
5. Put the hostname of your SMTP Server (e.g. smtp.your-company.com) into the [SMTP Server] text field
6. Enter your name and email address into the [Administrative Contact] and [Report Sender] text fields
7. Press the [Update] button
8. Add a backup user to the system
 - i. Click the [Manage User] link available at the top menu
 - ii. Add a backup user to the system by filling in the form provided
9. Install Ahsay Online Backup Manager onto a client machine

(Registered partners only) If you want to customize AhsayOBM (e.g. putting your own name, logo and backup server URL setting inside the EXE installer), please do this:

- i. Visit <http://partners.ahsay.com/>
- ii. Logon to the AhsayOBM customization portal (use the email you have registered to retrieve your password if you don't know your login name and password)
- iii. Follow the instructions available on the page there to complete your customization.

- i. Go to a client machine and point the browser to <http://your-server/>
 - ii. Click the [Backup User Logon] link
 - iii. Logon with the login name and password of the user you have just created
 - iv. Click then [Install Software] link available at the top of the page
 - v. Follow the instructions of the installation wizard to complete the installation
10. Run Ahsay Online Backup Manager

Right click AhsayOBM icon available in the system tray (next to your system clock) and choose [Open]

11. Create a backup set
 - i. From the Menu, Choose [Backup Set] → [New] → [File Backup Set]
 - ii. Enter a name for your backup set

- iii. Select the files/directories that you want to backup
- iv. Define your backup schedule
- v. Select your preferred encrypting algorithm, mode and key (Hint: For better security, please select AES algorithm in CBC mode and choose an encrypting key with more than 8 characters)

12. Run Backup

- i. Highlight the backup set that you want to run on the left panel and press the [Start Backup] button
- ii. Select [Off-site Backup Server] to backup your files to your backup server and press the [OK] button

■ **Startup/Shutdown Instructions**

1. To startup AhsayOBS , please run

(Unix / Linux) `[root]# /etc/init.d/obs start`
(FreeBSD) `[root]# /usr/local/etc/init.d/obs start`

2. To shutdown AhsayOBS, please run

(Unix / Linux) `[root]# /etc/init.d/obs stop`
(FreeBSD) `[root]# /usr/local/etc/init.d/obs stop`

1.3 Mac OS X Platform

■ Download

Please download the corresponding version of the software you required from our website.

■ Install

1. Logon as a Mac user with [administrative privileges] to [Mac OS X]
2. Make sure Apple Mac OS X Java 1.5.1 or above is installed already.
3. Download *obsr-mac.zip* from our website.
4. Expand the archive and run the [AhsayOBS] application
5. Enter the [root] username and password
6. Follow the instructions on the installation wizard to complete installation
7. Startup AhsayOBS by running, please do the following by using [Applications] → [Utility] → [Terminal]

```
[localhost:~] user1% su -  
Password:  
[localhost:~] root# SystemStarter start AhsayOBS
```

8. (Registered partners only) If you want to customize AhsayOBM (e.g. putting your own name, logo and backup server URL setting inside the Mac installer), please do this:
 - i. Visit <http://partners.ahsay.com/>
 - ii. Logon to the AhsayOBM customization portal (use the email you have registered to retrieve your password if you don't know your login name and password)
 - iii. Follow the instructions available on the page there to complete your customization.

■ Get Started

1. Point your browser to <http://localhost/>
2. Click the [Backup System Administration Logon] link and logon to the backup server. The default username and password is "system" and "system" respectively.
3. Put the hostname of this computer (e.g. backup.your-company.com) into the [Host Name] text field
4. Set the [User Homes] directories:

[User Homes] refers to directories where Ahsay Offsite Backup Server stores the backup files and backup activity logs for all its users. You should set [User Homes] to directories where there are lots of free spaces.
5. Put the hostname of your SMTP Server (e.g. smtp.your-company.com) into the [SMTP Server] text field
6. Enter your name and email address into the [Administrative Contact] and [Report Sender] text fields
7. Press the [Update] button
8. Add a backup user to the system
 - i. Click the [Manage User] link available at the top menu
 - ii. Add a backup user to the system by filling in the form provided
9. Install and run Ahsay Online Backup Manager (AhsayOBM, backup client software)

(Registered partners only) If you want to customize AhsayOBM (e.g. putting your own name, logo and backup server URL setting inside the Mac

installer), please do this:

- i. Visit <http://partners.ahsay.com/>
- ii. Logon to the AhsayOBM customization portal (use the email you have registered to retrieve your password if you don't know your login name and password)
- iii. Follow the instructions available on the page there to complete your customization.

- i. Go to a client machine and point the browser to <http://your-server/>.
- ii. Click the [Download Client Software] link which can be found under the [Backup Client Software Installation] section
- iii. Follow the instructions on the web page to complete the installation of AhsayOBM

■ Startup/Shutdown Instructions

1. To startup AhsayOBS, please do the following by using [Applications] → [Utility] → [Terminal]

```
[localhost:~] user1% su -  
Password:  
[localhost:~] root# SystemStarter start AhsayOBS
```

2. To shutdown AhsayOBS, please do the following by using [Applications] → [Utility] → [Terminal]

```
[localhost:~] user1% su -  
Password:  
[localhost:~] root# SystemStarter stop AhsayOBS
```

2 Upgrade Guide

The “**Free Upgrade Until**” date of your license (can be found on AhsayOBS Management Console → [Manage System] → [Software License] → [Free Upgrade Until]) must be **after** the **release date** of the AhsayOBS that you have downloaded, otherwise the new version will not function. Please [contact us](#) to extend your upgrade subscription if your free upgrade subscription has expired.

2.1 Auto Upgrading AhsayOBM

If you are interested in upgrading AhsayOBM on the client machine automatically, please find:

- (Windows) C:\Program Files\Ahsay Offsite Backup Server\webapps\obs\liveUpdate\README.txt
- (Linux) /usr/local/obs/webapps/obs/liveUpdate/README.txt
- (Mac OS X) /Applications/AhsayOBS/webapps/obs/liveUpdate/README.txt

and follow the instructions available inside the README.txt file after performing the upgrade instructions in the next section.

2.2 Upgrading AhsayOBS from releases earlier than 5.1.0.6

If you are upgrading AhsayOBS from releases earlier than 5.1.0.6, backup connection using HTTP keep alive is NOT enabled by default. Enabling HTTP keep alive can speed up both backup and restore operation by 3 and 10 times respectively. If you want to enable this feature, please do this:

1. Open [server.xml] available in
 - (Windows) C:\Program Files\Ahsay Offsite Backup Server\conf
 - (Linux) /usr/local/obs/webapps/conf
 - (Mac OS X) /Applications/AhsayOBS/conf
2. Change the [maxKeepAliveRequests] attributes of both HTTP and HTTPS connectors from "1" to "100" (e.g. maxKeepAliveRequests="100").
3. Restart the OBS service

Please note that older AhsayOBM (e.g. AhsayOBM 4.6 / earlier version of 5.0) might run significant slower because they cannot handle keep alive requests properly. If you have clients running into this problem, please auto upgrade AhsayOBM to the latest release using the [Auto Upgrading AhsayOBM] instructions above before enabling this feature.

2.3 Windows Platform

■ Download

There are two ways to upgrade the software:

1. You can upgrade by using obsr-win.exe downloadable from our website. You can running this EXE file on a computer running previous version of AhsayOBS and AhsayRPS to complete the upgrade. All AhsayOBS and AhsayRPS settings will be migrated automatically to the upgraded software automatically. This is the easiest to upgrade the software but the drawback is that all customized work will not be retained in the upgraded software. For normal users, this is the recommended method to upgrade.
2. You can also upgrade by using obsr-win.zip downloadable from our website. The advantage of upgrading using this method is that you can control each file being added to the upgraded software. This is easier to maintain your customized software this way. This is the upgrade method only for advanced users.

If you are required to upgrade multiple customized AhsayOBS / AhsayRPS running on different machines at the same time, it is best to build a customized AhsayOBS and AhsayRPS installer from our customization portal and use it to upgrade all machines.

■ Startup/Shutdown Instructions

1. Select [Ahsay Offsite Backup Server and Ahsay Replication Server] (or [Ahsay Offsite Backup Server]) service from:

For Windows NT

[Control Panel] → [Services]

Windows XP

[Control Panel]

→ [Performance and Maintenance]

→ [Administrative Tools]

→ [Services]

Windows 2000/2003

[Control Panel]

→ [Administrative Tools]

→ [Services]

2. To startup AhsayOBS, press the [Start] button
3. To shutdown AhsayOBS, press the [Stop] button

■ Upgrade Instructions

Important information

1. If you have customized the AhsayOBS installation before, e.g. if you have installed your own Web SSL certificate, please read the [customization guide](#) for instructions on how to maintain your customized settings.
2. Please note that the workflow of AhsayOBS (e.g. AhsayOBM installation wizard, free trial registration wizard) has been updated. You are advised to visit our [evaluation server](#) to see all the changes before upgrading the software.

Upgrade with .exe file

1. Logon as [administrator] to Windows.
2. Download *obsr-win.exe* from the upgrade links on our website.
3. Double-click *obsr-win.exe* to start the AhsayOBS setup wizard.
4. Follow the instructions in the wizard and upgrade AhsayOBS.

Upgrade with .zip file

1. Logon as [administrator] to Windows.
2. Download *obsr-win.zip* from the upgrade links on our website
3. Shutdown AhsayOBS service from [Services] (see above)
4. (Optional but recommended) Make a backup of your existing Ahsay [System Home] and [User Homes] directories.
5. Rename "C:\Program Files\Ahsay Offsite Backup Server" to "C:\Program Files\Ahsay Offsite Backup Server.bak"
6. Make a new "C:\Program Files\Ahsay Offsite Backup Server" directory
7. Expand *obsr-win.zip* to "C:\Program Files\Ahsay Offsite Backup Server" (make sure the directory structure looks like this)

```
+ C:\Program Files\Ahsay Offsite Backup Server
| C:\Program Files\Ahsay Offsite Backup Server\bin
| C:\Program Files\Ahsay Offsite Backup Server\conf
```

```
| C:\Program Files\Ahsay Offsite Backup Server\license
| C:\Program Files\Ahsay Offsite Backup Server\java
- C:\Program Files\Ahsay Offsite Backup Server\tomcat
```

8. Copy the following files over from old installation to upgrade installation.

```
i. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ obs.xml
ii. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ acb-config.xml
iii. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ keystore
iv. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ rps.xml
v. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ rpsRecv.xml
vi. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ rpsSend.xml
vii. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ lfsConfig.xml
viii. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ license.xml
ix. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ autoDiscovery.xml
x. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ ehcache.xml
xi. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ sysUser.xml
```

where

[OLD_DIR] = C:\Program Files\Ahsay Offsite Backup Server.bak
[NEW_DIR] = C:\Program Files\Ahsay Offsite Backup Server

Please DO NOT replace “[NEW_DIR] \ conf \ server.xml” and “[NEW_DIR] \ conf \ web.xml” directly with “[OLD_DIR] \ conf \ server.xml” and “[OLD_DIR] \ conf \ web.xml” because old versions of these files may not be fully compatible with the new version of the software.

If your old [User Homes], [System Home] and the application log directory were located in "C:\Program Files\Ahsay Offsite Backup Server" before, please move the following directories over from old installation to upgrade installation.

```
i. [OLD_DIR] \ logs → [NEW_DIR] \ logs
ii. [OLD_DIR] \ user → [NEW_DIR] \ user
iii. [OLD_DIR] \ system → [NEW_DIR] \ system
```

If you have moved the [user] directories and the [system] directory to a new location as shown above, please open C:\Program Files\Ahsay Offsite Backup Server\conf\obs.xml and update the [user-home] and [system-home] value to what is shown below.

```
....
<system-home path="C:\Program Files\Ahsay Offsite Backup Server\system" />
<user-home path="C:\Program Files\Ahsay Offsite Backup Server\user" />
....
```

9. Startup [Ahsay Offsite Backup Server and Ahsay Replication Server] (or [Ahsay Offsite Backup Server]) service from [Services] (see above)
10. Logon to the AhsayOBS Web Management Console and press the [Update] button on the [Manage System] → [Software License] page (please check if the license information is correct)
11. Upgrade completed.

2.4 Linux/Unix Platform

■ Download

Please download the corresponding version of the software you required from our website.

1. Standard Edition; or
2. OEM Edition (*partners only)

■ Startup/Shutdown Instructions

1. To startup AhsayOBS, please run

```
(Unix / Linux)      [root]# /etc/init.d/obs start
(FreeBSD)           [root]# /usr/local/etc/init.d/obs start
```

2. To shutdown AhsayOBS, please run

```
(Unix / Linux)      [root]# /etc/init.d/obs stop
(FreeBSD)           [root]# /usr/local/etc/init.d/obs stop
```

where

```
OBS_HOME=/usr/local/obs
APP_HOME=$OBS_HOME/conf/localhost
```

■ Upgrade Instructions

Important information

1. If you have customized the AhsayOBS installation before, e.g. if you have installed your own Web SSL certificate, please read the [customization guide](#) for instructions on how to maintain your customized settings.
2. Please note that the workflow of AhsayOBS (e.g. AhsayOBM installation wizard, free trial registration wizard) has been updated. You are advised to visit our [evaluation server](#) to see all the changes before upgrading the software.

1. Logon as [root] to Linux/Unix
2. Download [obsr-nix.tar.gz] from the upgrade links on our website
3. Shutdown the backup service (see above)
4. (Optional but recommended) Make a backup of your existing Ahsay [System Home] and [User Homes] directories.
5. Rename \$OBS_HOME to \$OBS_HOME.bak (default location for \$OBS_HOME is /usr/local/obs. In this case, just rename /usr/local/obs → /usr/local/obs.bak)
6. Make a new \$OBS_HOME directory (i.e. /usr/local/obs)
7. Expand obsr-linux.zip to \$OBS_HOME (make sure the directory structure looks like this)


```
+ /usr/local/obs
| /usr/local/obs/bin
| /usr/local/obs/conf
| /usr/local/obs/license
| /usr/local/obs/java
- /usr/local/obs/tomcat
```
8. Copy the following files over from old installation to upgrade installation.
 - i. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ obs.xml
 - ii. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ acb-config.xml
 - iii. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ keystore
 - iv. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ rps.xml
 - v. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ rpsRecv.xml
 - vi. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ rpsSend.xml
 - vii. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ lfsConfig.xml

```
viii. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ license.xml
ix.  [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ autoDiscovery.xml
x.   [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ ehcache.xml
xi.  [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ sysUser.xml
where
[OLD_DIR] = /usr/local/obs.bak
[NEW_DIR] = /usr/local/obs
```

Please DO NOT replace “[NEW_DIR] \ conf \ server.xml” and “[NEW_DIR] \ conf \ web.xml” directly with “[OLD_DIR] \ conf \ server.xml” and “[OLD_DIR] \ conf \ web.xml” because old versions of these files may not be fully compatible with the new version of the software.

If your old [User Homes], [System Home] and the application log directory were located in "/usr/local/obs" before, please move the following directories over from old installation to upgrade installation.

```
xii. [OLD_DIR] / logs → [NEW_DIR] / logs
xiii. [OLD_DIR] / user → [NEW_DIR] / user
xiv. [OLD_DIR] / system → [NEW_DIR] / system
```

If you have moved the [user] directories and the [system] directory to a new location as shown above, please open /usr/local/obs/conf/obs.xml and update the [user-home] and [system-home] value to what is shown below.

```
....
<system-home path="/usr/local/obs/system" />
<user-home path="/usr/local/obs/user" />
....
```

9. Startup the backup service (see above)
10. Logon to the AhsayOBS Web Management Console and press the [Update] button on the [Manage System] → [Software License] page (please check if the license information is correct)
11. Upgrade completed.

2.5 Mac OS X Platform

■ Download

Please download the corresponding version of the software you required from our website.

1. Standard Edition; or
2. OEM Edition (*partners only)

■ Startup/Shutdown Instructions

1. To startup AhsayOBS, please do the following by using [Applications] → [Utility] → [Terminal]

```
[localhost:~] user1% su -
Password:
[localhost:~] root# SystemStarter start AhsayOBS
```

2. To shutdown AhsayOBS, please do the following by using [Applications] → [Utility] → [Terminal]

```
[localhost:~] user1% su -
Password:
[localhost:~] root# SystemStarter stop AhsayOBS
```

■ Upgrade Instructions

Important information

1. If you have customized the AhsayOBS installation before, e.g. if you have installed your own Web SSL certificate, please read the [customization guide](#) for instructions on how to maintain your customized settings.
2. Please note that the workflow of AhsayOBS (e.g. AhsayOBM installation wizard, free trial registration wizard) has been updated. You are advised to visit our [evaluation server](#) to see all the changes before upgrading the software.

1. Logon as a Mac user with [administrative privileges] to [Mac OS X]
2. Shutdown the backup service (see above)
3. (Optional but recommended) Make a backup of your existing Ahsay [System Home] and [User Homes] directories.
4. Rename /Applications/AhsayOBS to /Applications/AhsayOBS.bak
5. Download *obsr-mac.zip* from the upgrade links on our website
6. Expand the archive and run the [AhsayOBS] application
7. Enter the [root] username and password
8. Follow the instructions on the installation wizard to complete installation
9. Copy the following files over from old installation to upgrade installation.
 - i. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ obs.xml
 - ii. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ acb-config.xml
 - iii. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ keystore
 - iv. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ rps.xml
 - v. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ rpsRecv.xml
 - vi. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ rpsSend.xml
 - vii. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ lfsConfig.xml
 - viii. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ license.xml
 - ix. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ autoDiscovery.xml
 - x. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ ehcache.xml

xi. [OLD_DIR] \ conf \ *.xml → [NEW_DIR] \ conf \ sysUser.xml

where

[OLD_DIR] = /Applications/AhsayOBS.bak

[NEW_DIR] = /Applications/AhsayOBS

Please DO NOT replace “[NEW_DIR] \ conf \ server.xml” and “[NEW_DIR] \ conf \ web.xml” directly with “[OLD_DIR] \ conf \ server.xml” and “[OLD_DIR] \ conf \ web.xml” because old versions of these files may not be fully compatible with the new version of the software.

If your old [User Homes], [System Home] and the application log directory were located in "/Applications/AhsayOBS" before, please move the following directories over from old installation to upgrade installation.

xii. [OLD_DIR] / logs → [NEW_DIR] / logs

xiii. [OLD_DIR] / user → [NEW_DIR] / user

xiv. [OLD_DIR] / system → [NEW_DIR] / system

If you have moved the [user] directories and the [system] directory to a new location as shown above, please open /Applications/AhsayOBS/conf/obs.xml and update the [user-home] and [system-home] value to what is shown below.

```
....  
<system-home path="/Applications/AhsayOBS/system" />  
<user-home path="/Applications/AhsayOBS/user" />  
....
```

10. Startup the backup service (see above)
11. Logon to the AhsayOBS Web Management Console and press the [Update] button on the [Manage System] → [Software License] page (please check if the license information is correct)
12. Upgrade completed

3 Customization Guide for AhsayOBS upgrade

Please do this if you have customized the software and you want to maintain your customization between upgrades.

<u>Key:</u>	
[OBS_HOME]	: C:\Program Files\Ahsay Offsite Backup Server (Windows) /usr/local/obs (Linux/Unix) /Applications/AhsayOBS (Mac OS X)
[OBS_HOME_BAK]	: C:\Program Files\Ahsay Offsite Backup Server.bak (Windows) /usr/local/obs.bak (Linux/Unix) /Applications/AhsayOBS.bak (Mac OS X)
[WEBAPPS_HOME]	: [OBS_HOME] \ webapps
[WEBAPPS_HOME_BAK]	: [OBS_HOME_BAK] \ webapps

1. If you have installed your own SSL certification, please copy
[OBS_HOME_BAK] \ conf \ keystore
to
[OBS_HOME] \ conf \ keystore
2. If you are using custom TCP ports for backup traffic, please open
[OBS_HOME] \ conf \ server.xml
and change the [port] attributes inside the <Connector> tags
3. If you have updated the welcome page on the web interface, please open
[WEBAPPS_HOME] \ root \ index_en.jsp
4. If you have customized the Look & Feel (i.e. CSS style sheet, logo, etc) of the web interface, please copy
[WEBAPPS_HOME_BAK] \ obs \ jsp \ lib \ jsp*.css
[WEBAPPS_HOME_BAK] \ obs \ jsp \ lib \ resource*.js
[WEBAPPS_HOME_BAK] \ obs \ logo \ *.gif
to
[WEBAPPS_HOME] \ obs \ jsp \ lib \ jsp*.css
[WEBAPPS_HOME] \ obs \ jsp \ lib \ resource*.js
[WEBAPPS_HOME] \ obs \ logo \ *.gif
5. If you have customized the text messages of the web interface, please do this to migrate your settings over to the upgrade installation:
 - i. Open [OBS_HOME] \ properties.xls with Microsoft Excel 2000 (windows version only) or above
 - ii. Switch to the [obs-jsp] worksheet
 - iii. Make the changes that you want
 - iv. Press the [Generate] button to generate the resource files (jsp*.properties) required
 - v. Put all generated jsp*.properties files back into
[OBS_HOME] \ webapps \ obs \ WEB-INF \ classes
6. If you have signed the AhsayOBS restorer applet (obrA.jar) with your own code signing certificate, please do the followings:
 - i. Compare the timestamps of the applet that you have signed with the newly supplied applet, i.e. compare:
[WEBAPPS_HOME_BAK] \ obs \ jsp \ applet \ obr \ obrA.jar
with
[WEBAPPS_HOME] \ obs \ jsp \ applet \ obr \ obrA.jar
 - ii. If your signed applet has a later timestamp, you can simply copy:
[WEBAPPS_HOME_BAK] \ obs \ jsp \ applet \ obr \ obrA.jar

to

[WEBAPPS_HOME] \ obs \ jsp \ applet \ obr \ obrA.jar

- iii. Otherwise, if the supplied applet has a later timestamp, you will need to sign the newly supplied obrA.jar with your code signing certificate again.
7. If you have relaxed your running AhsayOBS to allow external APIs to be invoked from another machine or you have enforced AhsayOBS to use SSL for all web traffics, please do this to migrate your settings over to the upgrade installation:
- i. Open [WEBAPPS_HOME] \ webapps \ obs \ WEB-INF \ web.xml
 - ii. (Relaxing external APIs IP restriction) Make changes to the <filter> and <filter-mapping> section (at the start of web.xml) as you have customized before
 - iii. (Enforcing SSL) Remove the XML comment tags (i.e. <!-- and -->) enclosing the <security-constraint> tag (at the end of web.xml)

(Please note that the content of web.xml may have been updated between releases. Please don't copy the entire web.xml over from your running installation to the upgrade installation. Please use the new web.xml as the basis when you are migrating your customized settings over to the upgrade installation. The same applies to [WEBAPPS_HOME] \ webapps \ obs \ WEB-INF \ struts-config.xml as well)

8. (Registered partners only) If you want to customize AhsayOBM (e.g. putting your own name, logo and backup server URL setting inside the EXE installer), please do this:
- i. Visit <http://partners.ahsay.com/>
 - ii. Logon to the AhsayOBM customization portal (use the email you have registered to retrieve your password if you don't know your login name and password)
 - iii. Follow the instructions available on the page there to complete your customization.

4 Further Information

If you need further assistance, please contact Support by submitting a ticket at:
http://kb.ahsay.com/?_m=tickets&_a=submit&departmentid=3&step=1