

Ahsay Online Backup Manager v7 Quick Start Guide for Linux (GUI)

Ahsay Systems Corporation Limited

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www.ahsay.com

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Revision History

Date	Descriptions	Type of modification
23 May 2018	Updated Ch. 1.3	Modification
23 July 2018	Added Online and Offline installation for Ubuntu for Ch. 3	New
31 July 2019	Added Chapter 5 AhsayOBM Overview	New

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1 System Requirements

Supported Platforms

Refer to the following article for the list of supported operating systems: FAQ: Ahsay Software Compatibility List (SCL) for version 7.3 or above

GUI Desktop Environment

The Linux machine must be installed with a GUI desktop environment, i.e. GNOME, KDE, Cinnamon etc.

Linux Packages

The following packages have to be present on the Linux machine in order for AhsayOBM version 7 to be installed.

• curl https://curl.haxx.se

The 'curl' command is used by both the AhsayOBM sh script and rpm installer to download components from AhsayCBS server during the installation process.

• tar https://www.gnu.org/software/tar

The 'tar' command is used by both the AhsayOBM sh script, gz, and rpm installer to uncompress and extract installation files or components downloaded from the AhayCBS backup server onto the Linux machine.

• rpm http://rpm.org

The 'rpm' package must be installed to use the AhsayOBM rpm installation method.

dpkg <u>https://packages.ubuntu.com/trusty/dpkg</u>

The 'dpkg' package must be installed to use the AhsayOBM deb installation method on Ubuntu LTS Linux platforms supported from version 7.15.0.0 or above.

psmisc <u>http://psmisc.sourceforge.net/</u>

The 'psmisc' package which contains the 'fuser' components must be installed for AhsayOBM on CentOS / Red Hat Enterprise Linux (RHEL), for the auto update agent (AUA) process to work properly.

2 Getting Started

This quick start guide will walk you through the following 5 major parts to get you started with using AhsayOBM.

Download and Install Download and Install AhsayOBM on your Linux machine

> Launch AhsayOBM Launch and log in to AhsayOBM

Create File Backup Set

Create backup set according to your preferences

Run Backup Jobs Run the backup job to back up data

> **Restore Data** Restore backed up data to your system

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3 Download and Install AhsayOBM

From v7.15.0.0 or above Ubuntu Linux LTS distributions are officially supported, AhsayOBM can be installed from a *.deb package using dpkg for online installation or from *.sh package for both online and offline installation. There are two installation modes of AhsayOBM, online installation and offline installation. Below is the table of comparison between online installation and offline installation.

	Online Installation	Offline Installation	
Version Supported	From v7.3.2.0 onwards.	From v7.15.0.0 onwards.	
Installation Time	 Takes more time as it needs to download the binary and component files (80MB to 132MB depending on operating system) each time the installation is run. Online installer size is 6KB to 3.5MB depending on operating system as it contains only the initial installation package files. 	 Takes less time as all the necessary binary and component files are already available in the offline installer and offline installer can be downloaded once but reused many times. Offline installer size is 80MB to 132MB depending on operating system as it contains all the necessary binary and component files. 	
Deployments	 Suitable for single or small amount of device installations. Suitable for sites with fast and stable internet connection as internet connection is needed each time when an installation is run. A slow internet connection will result in longer installation time and interrupted or unstable internet connection may lead to unsuccessful installation. Ensures the latest version of the product is installad. 	 Suitable for multiple or mass device installations. Suitable for client sites with metered internet connections as once the offline installer is downloaded, internet connection is not needed each time when an installation is run. May need to update the product version after installation if an older offline installer is used. 	

Online Installation

3.1.1 rpm

1. Login as root on Linux GUI. (Alternatively, you can remotely invoke the GUI of another Linux machine using SSH client.)

	cos6x-2-35	
Oth	er	
Username:	root	
	Cancel	Log In

2. To download the AhsayOBM rpm installation package file from your backup service provider's website:

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3. Go to the download page and right click on **Download (rpm) (Online)** button to download the AhsayOBM installer.



4. Double-click to launch the installation package you have downloaded.



5. When the following warning message appears, click **Continue Anyway** to proceed.

Local file installer is running as a privileged user
Package management applications are security sensitive. Running graphical applications as a privileged user should be avoided for security reasons.
Continue <u>A</u> nyway



6. Click **Install** to start the installation.

2	Do you want to install this file?	×	
	Do you want to install this file?		
•	/root/Desktop/obm-linux-noarch-443-10.23.6.67-https.rpm		
<u>H</u> elp	<u>C</u> lose Install		

7. Upon successful installation, the **AhsayOBM** icon will be added to the desktop as a shortcut.



Alternatively, you can also click the **Applications** menu bar and then select **Other** to see the **AhsayOBM** option.

Applications	Places	System	🥹 🙆
🖹 Accessories	>		
🌖 Internet	>		
🔢 Office	>		
💾 Other	>	💽 Ahsa	уОВМ
💮 System Tools	>		

3.1.2 Linux sh

1. Login as root on Linux GUI. (Alternatively, you can remotely invoke the GUI of another Linux machine using SSH client.)

	cos6x-2-35	
Othe	2030X 2 55	
Username:	root	
osemanie.	1004	

2. Double-click the **Terminal** icon to launch the application.



3. Create a new directory /usr/local/obm for the installation of AhsayOBM. Then, go to the new directory.

#	<pre>mkdir -p /usr/local/obm</pre>	
#	cd /usr/local/obm	

4. To download the AhsayOBM sh script from your backup service provider's website:

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	\)

5. Go to the download page and right click on **Download (sh) (Online)** button to download the AhsayOBM installer.

A Linux	📥 Download (rpm) (Online)	🛓 Download (sh) (Online)	J
		🛃 Download (sh) (Offline)	

6. Execute the AhsayOBM install script.

sh obm-nix-443-10.23.6.67-https.sh

7. The installation is completed when **Done** shows at the end of the script.

```
# sh obm-nix-443-10.23.6.67-https.sh
Log Time: Wed Nov 16 11:12:19 HKT 2016
Downloading package jre-std-linux-amd64.tar.gz...
% Total % Received % Xferd Average Speed Time Time
Time Current
Dload Upload Total
Spent Left Speed
```

```
100 43.7M 100 43.7M
                      0
                            0 14.8M
                                         0 0:00:02
0:00:02 --:-- 16.7M
Download completed
Downloading package app-common.tar.gz...
           % Received % Xferd Average Speed
  % Total
                                               Time
                                                       Time
Time Current
                                Dload Upload
                                               Total
       Left Speed
Spent
100 26.8M 100 26.8M
                     0
                            0 15.8M
                                         0 0:00:01
0:00:01 --:-- 16.4M
Download completed
Downloading package app-native-nix-x64.tar.gz...
  % Total
          % Received % Xferd Average Speed
                                               Time
                                                       Time
Time Current
                               Dload Upload Total
       Left Speed
Spent
100 521k 100 521k 0 0 4163k 0 --:--:--
:-- --:-- 7662k
No old application found, begin fresh install
Untar component file : /usr/local/obm/ components/app-
common.tar.gz
Untar component file : /usr/local/obm/ components/app-inst-
nix-obm.tar.gz
Untar component file : /usr/local/obm/ components/app-native-
nix-x64.tar.gz
/usr/local/obm/jvm does not exist, creating this directory
Untar JVM file : /usr/local/obm/ components/jre-std-linux-
amd64.tar.gz
Untar component file : /usr/local/obm/ components/properties-
common.tar.gz
tar: bin/cbCoreRes ar.properties: time stamp 2016-11-16
11:12:49 is 10.147282259 s in the future
tar: bin/cbCoreRes bg.properties: time stamp 2016-11-16
11:12:49 is 10.136972735 s in the future
tar: bin/cbCoreRes ca.properties: time stamp 2016-11-16
11:12:49 is 10.135530414 s in the future
Untar component file : /usr/local/obm/ components/util-
common.tar.gz
Untar component file : /usr/local/obm/ components/util-nix-
obm.tar.gz
Untar jvm and component files finished
Install Application Path: /usr/local/obm
Done
```

8. Upon successful installation, the AhsayOBM icon will be added to the desktop as a shortcut.



Alternatively, you can also click the **Applications** menu bar and then select **Other** to see the **AhsayOBM** option.



3.1.3 deb

1. Login as root on Ubuntu GUI. (Alternatively, you can remotely invoke the GUI of another Ubuntu machine using SSH client.)

	1604										0 tı	En	4)))	5:09 PM	夺
															1
		admin													
		ahsay													
		root													k
		•••••	••				>)							
		Guest	Saco	ion	12	<u>ie</u>	 12								v
		uuesu	5655	SIGH											1
															4
		_ L			-										v
U	IDU	ncu~	16.0)4 LI	S										4

2. To download the AhsayOBM deb installation package file go to your backup service provider's website:

English	~ 2	2
		V.

3. Go to the download page and click on **Download (deb) (Online)** button to download the AhsayOBM installer.



4. Double-click to launch the installation package you have downloaded.



5. Click **Install** to start the installation.

8 🗆 🖨	Ubuntu S	Software									
<		obm									
	obm Ahsay Online Backup Manager Install										
	Ahsay Onl	line Backup Manager									
	Details										
	Version	7.15.6.55									
	License	Unknown									
	Source	Unknown									
	Size	209.7 MB									

6. After installation is done the Install button will be changed to Remove.

800	Ubuntu S	oftware		
<			obm	
	obm Ahsay (Ren	Dnline Backup Manager nove		
	Ahsay Onli	ne Backup Manager		
	Details			
	Version License Source Size	7.15.6.55 Unknown Unknown 209.7 MB		

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7. Go to /usr/local/obm/bin, double-click on AhsayOBM. Right-click on the AhsayOBM icon in the Launcher and click Lock to Launcher.



3.1.4 Ubuntu sh

1. Login as root on Ubuntu GUI.

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															i v
1			admin												
			ahsay												
			root												k
			•••••	•				>							5 . ye
			Cuert	Core	ion			15							W
1			Guest.	sess	ION										a.
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	ub	ur	ntu [®]	16.0)4 LT	S									
															Y

2. Create a new folder named obm in the /usr/local directory in the Files window or you can create the folder through the Terminal.



mkdir -p /usr/local/obm
cd /usr/local/obm

3. To download the AhsayOBM sh installation package file go to your backup service provider's website:



4. Right click on the **Download (sh) (Online**) button and click Save as. Save it in the obm folder that you created.





5. Go back to the Terminal and execute the AhsayOBM script to begin the installation. Create a new directory /usr/local/obm for the installation of AhsayOBM. Then, go to the new directory.

```
# cd /usr/local/obm
# sh obm-ubuntu-443-10.90.10.12-https-00.sh
```

6. The installation is completed when Done is shown at the end of the script.

```
Downloading file... app-common.tar.gz
Log Time: Tue Jul 31 16:04:50 HKT 2018
Host address: https://10.90.10.12:443
Downloading file... jre-std-linux-amd64.tar.gz
 % Total % Received % Xferd Average Speed
                                                Time
                                                        Time
Time Current
                                Dload Upload
                                                Total
Spent
        Left Speed
100 43.7M 100 43.7M
                       0
                             0 15.7M
                                           0 0:00:02
0:00:02 --:-- 15.7M
Download file completed
Untar component file to /tmp/ obm.180731160450/jvm
Downloading file... app-common.tar.gz
           % Received % Xferd Average Speed
 % Total
                                                Time
                                                        Time
Time Current
                                Dload Upload
                                                Total
Spent
        Left Speed
100 32.8M 100 32.8M
                                           0 0:00:01
                       0
                             0 26.5M
0:00:01 --:-- 26.5M
Download file completed
Untar component file to /tmp/ obm.180731160450
Downloading file... app-native-nix-x64.tar.gz
            % Received % Xferd Average Speed
 % Total
                                                Time
                                                        Time
Time Current
```

Dload Upload Total Spent Left Speed 100 527k 100 527k 0 0 2595k 0 --:--:--:-- --:-- 2585k Download file completed Untar component file to /tmp/_obm.180731160450 Downloading file... app-nix-obm.tar.gz % Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed 0 100 11061 100 11061 0 54988 0 --:--:--:-- --:-- 55305 Download file completed Untar component file to /tmp/_obm.180731160450 Downloading file... aua-common.tar.gz % Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Left Speed Spent 100 13.7M 100 13.7M 0 0 24.1M 0 --:--:--:-- --:-- 24.1M Download file completed Untar component file to /tmp/_obm.180731160450 Downloading file... aua-native-nix-x64.tar.gz % Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed 100 440k 100 440k 0 0 2122k 0 --:--:--:-- --:-- 2127k Download file completed Untar component file to /tmp/ obm.180731160450 Downloading file... aua-nix-obm.tar.gz % Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed 100 979 100 979 0 0 5578 0 --:--:--:-- --:-- 5594 Download file completed Untar component file to /tmp/ obm.180731160450 Downloading file... util-common.tar.gz % Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed 100 4829 100 4829 0 0 28983 0 --:--:--:-- --:-- 28916 Download file completed Untar component file to /tmp/ obm.180731160450 Downloading file... util-nix-obm.tar.gz % Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed 100 9891 100 9891 0 0 51018 0 --:--:--:-- --:-- 51248 Download file completed Untar component file to /tmp/ obm.180731160450 Downloading file... properties-common.tar.gz

% Total	% Received	% Xferd	Average Speed	l Time	Time
lime curre	ft Grand		Dload Upload	l Total	
Spent Le 100 3192k 0:00:03 :	0 3192k : 1058k	0 0	1058k 0	::	
Download fi Untar compo	nent file to	/tmp/ obr	n.180731160450)	
tar: bin/cb	CoreRes_ar.p	roperties: 1 s in the	: time stamp 2 e future	2018-07-31	
tar: bin/cb	CoreRes_bg.p	roperties	: time stamp 2	2018-07-31	
16:06:06 is tar: bin/cb	54.59885330 CoreRes ca.p	7 s in the roperties:	e future : time stamp 2	2018-07-31	
16:06:06 is	54.59604893	8 s in the	e future	0010 07 01	
16:06:06 is	54.59427547	2 s in the	e future	2018-07-31	
tar: bin/cb	CoreRes_da.p	roperties:	: time stamp 2	2018-07-31	
tar: bin/cb	CoreRes_de.p	roperties	: time stamp 2	2018-07-31	
16:06:06 is tar: bin/cb	54.59160376 CoreBes el p	9 s in the roperties:	e future : time stamp 2	2018-07-31	
16:06:06 is	54.58839410	5 s in the	e future		
tar: bin/cb 16:06:06 is	CoreRes_en.p 54.58707417	roperties: 3 s in the	: time stamp 2 e future	2018-07-31	
tar: bin/cb	CoreRes_es.p	roperties	time stamp 2	2018-07-31	
16:06:06 1s tar: bin/cb	CoreRes eu.p.	o s in the roperties:	e future : time stamp 2	2018-07-31	
16:06:06 is	54.58445079	4 s in the	e future • time stamp 2	018-07-31	
16:06:06 is	54.58301133	7 s in the	e future	.010 07 51	
tar: bin/cb 16:06:06 is	CoreRes_fr.p. 54.58102869	roperties: 3 s in the	: time stamp 2 e future	2018-07-31	
tar: bin/cb	CoreRes_hu.p	roperties	: time stamp 2	2018-07-31	
16:06:06 1s tar: bin/cb	CoreRes is.p	8 s in the roperties:	e future : time stamp 2	2018-07-31	
16:06:06 is	54.57525473	7 s in the	e future	010 07 01	
16:06:06 is	54.57380661	4 s in the	e future	2018-07-31	
tar: bin/cb	CoreRes_iw.p	roperties:	: time stamp 2	2018-07-31	
tar: bin/cb	CoreRes_ja.p	roperties	: time stamp 2	2018-07-31	
16:06:06 is tar: bin/cb	54.56908972 CoreRes ko.p	2 s in the roperties:	e future : time stamp 2	2018-07-31	
16:06:07 is	55.56734847	6 s in the	e future		
tar: bin/cb 16:06:07 is	CoreRes_lt.p 55.56512238	roperties: 9 s in the	: time stamp 2 e future	2018-07-31	
tar: bin/cb	CoreRes_nl.p	roperties	: time stamp 2	2018-07-31	
tar: bin/cb	CoreRes_no.p	roperties:	: time stamp 2	2018-07-31	
16:06:07 is	55.55812368	4 s in the	e future • time stamp 2	018-07-31	
16:06:07 is	55.55659400	8 s in the	e future		
tar: bin/cb 16:06:07 is	CoreRes_pt_B 55.55506805	R.propert: 8 s in the	les: time stam e future	np 2018-07-	31
tar: bin/cb	CoreRes_pt_P	I.propert:	les: time stan	np 2018-07-	31
16:06:07 is tar: bin/cb	55.55342499 CoreRes ro.p.	6 s in the roperties:	e future : time stamp 2	2018-07-31	
16:06:07 is	55.55208572	4 s in the	e future		
16:06:07 is	55.55041390	roperties: 6 s in the	: cime stamp 2 e future	:010-07-31	

tar: bin/cbCoreRes sl.properties: time stamp 2018-07-31 16:06:07 is 55.548939766 s in the future tar: bin/cbCoreRes sv.properties: time stamp 2018-07-31 16:06:07 is 55.547199889 s in the future tar: bin/cbCoreRes th TH.properties: time stamp 2018-07-31 16:06:07 is 55.546079817 s in the future tar: bin/cbCoreRes tr.properties: time stamp 2018-07-31 16:06:07 is 55.544653124 s in the future tar: bin/cbCoreRes uk.properties: time stamp 2018-07-31 16:06:07 is 55.543236773 s in the future tar: bin/cbCoreRes zh CN.properties: time stamp 2018-07-31 16:06:07 is 55.541682141 s in the future tar: bin/cbCoreRes zh TW.properties: time stamp 2018-07-31 16:06:07 is 55.540214217 s in the future tar: bin/cbUIRes ar.properties: time stamp 2018-07-31 16:06:07 is 55.538147693 s in the future tar: bin/cbUIRes bg.properties: time stamp 2018-07-31 16:06:07 is 55.537112009 s in the future tar: bin/cbUIRes ca.properties: time stamp 2018-07-31 16:06:07 is 55.536094878 s in the future tar: bin/cbUIRes cs.properties: time stamp 2018-07-31 16:06:07 is 55.534987819 s in the future tar: bin/cbUIRes_da.properties: time stamp 2018-07-31 16:06:07 is 55.534219083 s in the future tar: bin/cbUIRes de.properties: time stamp 2018-07-31 16:06:07 is 55.53316627 s in the future tar: bin/cbUIRes el.properties: time stamp 2018-07-31 16:06:07 is 55.53074634 s in the future tar: bin/cbUIRes en.properties: time stamp 2018-07-31 16:06:07 is 55.529583414 s in the future tar: bin/cbUIRes es.properties: time stamp 2018-07-31 16:06:07 is 55.528873856 s in the future tar: bin/cbUIRes eu.properties: time stamp 2018-07-31 16:06:07 is 55.52755176 s in the future tar: bin/cbUIRes fi.properties: time stamp 2018-07-31 16:06:07 is 55.526392522 s in the future tar: bin/cbUIRes fr.properties: time stamp 2018-07-31 16:06:07 is 55.525350945 s in the future tar: bin/cbUIRes hu.properties: time stamp 2018-07-31 16:06:07 is 55.524128418 s in the future tar: bin/cbUIRes is.properties: time stamp 2018-07-31 16:06:07 is 55.522931681 s in the future tar: bin/cbUIRes it.properties: time stamp 2018-07-31 16:06:07 is 55.521106878 s in the future tar: bin/cbUIRes iw.properties: time stamp 2018-07-31 16:06:07 is 55.517938658 s in the future tar: bin/cbUIRes ja.properties: time stamp 2018-07-31 16:06:07 is 55.515994712 s in the future tar: bin/cbUIRes_ko.properties: time stamp 2018-07-31 16:06:07 is $55.5\overline{1}4581606$ s in the future tar: bin/cbUIRes_lt.properties: time stamp 2018-07-31 16:06:07 is 55.513143276 s in the future tar: bin/cbUIRes nl.properties: time stamp 2018-07-31 16:06:07 is 55.511833127 s in the future tar: bin/cbUIRes_no.properties: time stamp 2018-07-31 16:06:07 is 55.510973038 s in the future tar: bin/cbUIRes pl.properties: time stamp 2018-07-31 16:06:07 is 55.509368142 s in the future tar: bin/cbUIRes pt BR.properties: time stamp 2018-07-31 16:06:07 is 55.508134781 s in the future

tar: bin/cbUIRes pt PT.properties: time stamp 2018-07-31 16:06:07 is 55.507047288 s in the future tar: bin/cbUIRes ro.properties: time stamp 2018-07-31 16:06:07 is 55.505713068 s in the future tar: bin/cbUIRes ru.properties: time stamp 2018-07-31 16:06:07 is 55.504491923 s in the future tar: bin/cbUIRes sl.properties: time stamp 2018-07-31 16:06:07 is 55.503325164 s in the future tar: bin/cbUIRes sv.properties: time stamp 2018-07-31 16:06:07 is 55.502431933 s in the future tar: bin/cbUIRes th TH.properties: time stamp 2018-07-31 16:06:07 is 55.501174194 s in the future tar: bin/cbUIRes tr.properties: time stamp 2018-07-31 16:06:07 is 55.500036547 s in the future tar: bin/cbUIRes uk.properties: time stamp 2018-07-31 16:06:07 is 55.498806023 s in the future tar: bin/cbUIRes zh CN.properties: time stamp 2018-07-31 16:06:07 is 55.497602368 s in the future tar: bin/cbUIRes zh TW.properties: time stamp 2018-07-31 16:06:07 is 55.496178525 s in the future tar: bin/obxRes_ar.properties: time stamp 2018-07-31 16:06:07 is 55.493525256 s in the future tar: bin/obxRes bg.properties: time stamp 2018-07-31 16:06:07 is 55.491666451 s in the future tar: bin/obxRes ca.properties: time stamp 2018-07-31 16:06:07 is 55.490151066 s in the future tar: bin/obxRes cs.properties: time stamp 2018-07-31 16:06:07 is 55.488681968 s in the future tar: bin/obxRes da.properties: time stamp 2018-07-31 16:06:07 is 55.48707111 s in the future tar: bin/obxRes de.properties: time stamp 2018-07-31 16:06:07 is 55.485485817 s in the future tar: bin/obxRes el.properties: time stamp 2018-07-31 16:06:07 is 55.482081559 s in the future tar: bin/obxRes en.properties: time stamp 2018-07-31 16:06:07 is 55.480223546 s in the future tar: bin/obxRes es.properties: time stamp 2018-07-31 16:06:07 is 55.478261427 s in the future tar: bin/obxRes eu.properties: time stamp 2018-07-31 16:06:07 is 55.476818585 s in the future tar: bin/obxRes fi.properties: time stamp 2018-07-31 16:06:07 is 55.473466919 s in the future tar: bin/obxRes fr.properties: time stamp 2018-07-31 16:06:07 is 55.471435978 s in the future tar: bin/obxRes hu.properties: time stamp 2018-07-31 16:06:07 is 55.457264521 s in the future tar: bin/obxRes is.properties: time stamp 2018-07-31 16:06:07 is 55.455664323 s in the future tar: bin/obxRes_it.properties: time stamp 2018-07-31 16:06:07 is 55.454222613 s in the future tar: bin/obxRes_iw.properties: time stamp 2018-07-31 16:06:07 is 55.45183501 s in the future tar: bin/obxRes_ja.properties: time stamp 2018-07-31 16:06:07 is 55.449421287 s in the future tar: bin/obxRes ko.properties: time stamp 2018-07-31 16:06:07 is 55.447601773 s in the future tar: bin/obxRes lt.properties: time stamp 2018-07-31 16:06:07 is 55.445097838 s in the future tar: bin/obxRes nl.properties: time stamp 2018-07-31 16:06:07 is 55.443632976 s in the future

```
tar: bin/obxRes no.properties: time stamp 2018-07-31 16:06:07
is 55.442067823 s in the future
tar: bin/obxRes_pl.properties: time stamp 2018-07-31 16:06:07
is 55.439929144 s in the future
tar: bin/obxRes pt BR.properties: time stamp 2018-07-31
16:06:07 is 55.436840352 s in the future
tar: bin/obxRes pt PT.properties: time stamp 2018-07-31
16:06:08 is 56.435041376 s in the future
tar: bin/obxRes ro.properties: time stamp 2018-07-31 16:06:08
is 56.433430189 s in the future
tar: bin/obxRes ru.properties: time stamp 2018-07-31 16:06:08
is 56.431697585 s in the future
tar: bin/obxRes sl.properties: time stamp 2018-07-31 16:06:08
is 56.430268526 s in the future
tar: bin/obxRes sv.properties: time stamp 2018-07-31 16:06:08
is 56.429052965 s in the future
tar: bin/obxRes th TH.properties: time stamp 2018-07-31
16:06:08 is 56.428023954 s in the future
tar: bin/obxRes tr.properties: time stamp 2018-07-31 16:06:08
is 56.426418328 s in the future
tar: bin/obxRes uk.properties: time stamp 2018-07-31 16:06:08
is 56.42515376 \overline{s} in the future
tar: bin/obxRes zh CN.properties: time stamp 2018-07-31
16:06:08 is 56.423475916 s in the future
tar: bin/obxRes zh TW.properties: time stamp 2018-07-31
16:06:08 is 56.422063014 s in the future
Downloading file... app-inst-nix-obm.tar.gz
 % Total
           % Received % Xferd Average Speed
                                                        Time
                                                Time
Time Current
                                Dload Upload
                                                Total
Spent
       Left Speed
100 164k 100 164k
                       0
                            0
                               688k 0 --:--:--
:-- --:-- 688k
Download file completed
Untar component file to /tmp/ obm.180731160450
Downloading file... aua-inst-nix-obm.tar.gz
 % Total % Received % Xferd Average Speed
                                                Time
                                                        Time
Time Current
                                Dload Upload
                                                Total
Spent
       Left Speed
100 48657 100 48657
                            0
                               240k 0 --:--:--
                       0
:-- --:-- 239k
Download file completed
Untar component file to /tmp/ obm.180731160450
 No old application found, begin fresh install
Install Application Path: /usr/local/obm
Done
```

7. Upon successful installation, the AhsayOBM icon will be added to the desktop as a shortcut.



Offline Installation

3.2.1 Linux sh

1. Login as root on Linux GUI. (Alternatively, you can remotely invoke the GUI of another Linux machine using SSH client.)

	cos6x-2-35
Othe	er
Username:	root

2. To download the AhsayOBM rpm installation package file from your backup service provider's website:



3. Go to the download page and right click on **Download (sh) (Offline)** button to download the AhsayOBM installer.



4. Right click on the AhsayOBR installation package **.gz** file to extract.



5. Open the folder to check the extracted installation package.



1				obm-linux		×
File	Edit	View	Places	Help		
	app	o.pkg		obm-linux.sh		
📄 ob	m-linu	ıx ∨ 2	items, F	ree space: 28.9 GB		

- 6. Create a folder under the /usr/local directory. You could name the folder obm. Move the extracted obm-linux.sh to the obm folder.
- 7. Click **Applications** at the top menu bar, then select **System Tools>Terminal**.



- Use the command highlighted in red to enter the /usr/local/obm directory.
 # cd /usr/local/obm
- Execute the AhsayOBM install script.
 # sh obm-linux.sh
- 10. The installation is completed when **Done** shows at the end of the script.

```
Log Time: Tue Oct 17 11:03:12 HKT 2017
Using package in Log Time: Tue Oct 17 11:03:12 HKT
2017/app.pkg
Package version: 7.15.0.0
Untar jre-std-linux-amd64.tar.gz to
/tmp/ obm.171017110312/jvm
Untar app-common.tar.gz to /tmp/ obm.171017110312
Untar app-native-nix-x64.tar.gz to /tmp/ obm.171017110312
Untar app-nix-obm.tar.gz to /tmp/_obm.171017110312
Untar aua-common.tar.gz to /tmp/_obm.171017110312
Untar aua-native-nix-x64.tar.gz to /tmp/ obm.171017110312
Untar aua-nix-obm.tar.gz to /tmp/_obm.171017110312
Untar util-common.tar.gz to /tmp/_obm.171017110312
Untar util-nix-obm.tar.gz to /tmp/_obm.171017110312
Untar properties-common.tar.gz to /tmp/_obm.171017110312
Untar app-inst-nix-obm.tar.gz to /tmp/_obm.171017110312
Untar aua-inst-nix-obm.tar.gz to /tmp/_obm.171017110312
Configure Application Path: /home/admin/Downloads/obr-
linx/RestoreWizard
Log Time: Tue Oct 17 11:03:18 HKT 2017
```

```
Verifying current user privilege ...
Current user has enough privilege to "config".
Start configuration on Generic Linux Platform (Linux)
Installation Path: /home/admin/Downloads/obr-
linx/RestoreWizard
Minimum supported JVM version
Maximum supported JVM version: 1.8
Current JVM version is supported for installation.
Create Backup Manager JVM, Path: /home/admin/Downloads/obr-
linx/RestoreWizard/jvm/bin/bJW
Create Scheduler Service JVM, Path:
/home/admin/Downloads/obr-linx/RestoreWizard/jvm/bin/bJW
Setup File Permissions
localuser: root being added to access control list
Startup Ahsay Online Backup Manager ...
Done
```

11. Upon successful installation, the AhsayOBM icon will be added to the desktop as a shortcut.



Alternatively, you can also click the **Applications** menu bar and then select **Other** to see the **AhsayOBM** option.



3.2.2 Ubuntu sh

1. Login as root on Ubuntu GUI.



2. Create a new folder named obm in the /usr/local directory in the Files window or you can create the folder through the Terminal.



3. To download the AhsayOBM sh installation package file go to your backup service provider's website:

English	× 🛓
	N 10

4. Click on **Download (sh) (Offline)** button to save.



5. Right-click on the AhsayOBM installation package .gz file to extract.



6. Open the extracted folder and move the files to the obm folder that you created.

obm-ubuntu		
app.pkg	obm-ub	New Folder with Selection (2 Items) Open
		Cut Copy
		Move To Copy To Make Links Rename
		Move to Trash
		Email Compress
		Properties

7. Open the Terminal and execute the AhsayOBM script to begin the installation.

```
# cd /usr/local/obm
# sh obm-ubuntu.sh
```

8. The installation is completed when Done is shown at the end of the script.

```
Log Time: Tue Jul 31 16:40:26 HKT 2018
Using package in /usr/local/obm/app.pkg
Package version: 7.15.6.55
Untar jre-std-linux-amd64.tar.gz to
/tmp/ obm.180731164026/jvm
Untar app-common.tar.gz to /tmp/ obm.180731164026
Untar app-native-nix-x64.tar.gz to /tmp/ obm.180731164026
Untar app-nix-obm.tar.gz to /tmp/_obm.180731164026
Untar aua-common.tar.gz to /tmp/_obm.180731164026
Untar aua-native-nix-x64.tar.gz to /tmp/ obm.180731164026
Untar aua-nix-obm.tar.gz to /tmp/_obm.180731164026
Untar util-common.tar.gz to /tmp/_obm.180731164026
Untar util-nix-obm.tar.gz to /tmp/_obm.180731164026
Untar properties-common.tar.gz to /tmp/_obm.180731164026
Untar app-inst-nix-obm.tar.gz to /tmp/_obm.180731164026
Untar aua-inst-nix-obm.tar.gz to /tmp/_obm.180731164026
 No old application found, begin fresh install
Install Application Path: /usr/local/obm
Done
```

9. Upon successful installation, the AhsayOBM icon will be added to the desktop as a shortcut.



Check Version of AhsayOBM

1. Login to the AhsayOBM application according to the instructions in section 4 Login to <u>AhsayOBM</u>.



2. Click the Information icon at the top right corner.

3. The version information of your installed AhsayOBM will appear.

•	AhsayOBM	- 1	×□
	AhsayOBM		
Version	7.15.0.0		~
Virtual Machine Vendor	Java HotSpot(TM) 64-Bit Server VM Version 24.76-b04 Oracle Corporation		
Live Threads Daemon Threads Total Threads Started	14 (Current) / 17 (Peak) 10 23		I
Heap Size	43,033 kbytes (Current) / 760,256 kbytes (Maximum)		
Operating System Architecture Number of Processors Committed Virtual Memory Physical Memory Swap Space	Linux Version 2.6.32-279.el6.x86_64 amd64 1 1.661.740 kbytes 68.956 kbytes (Free) / 1.020.644 kbytes (Total) 1.752.796 kbytes (Free) / 2.064.376 kbytes (Total)		l
VM Arguments Class Path	-Xrs -Xms128m -Xmx768m -Dsun.nio.PageAlignDirectMemory=true -Djava.library.path=. .:./cb.jar		•
© 201	6 Ahsay Systems Corporation. All Rights Reserved.		
	E	Close	2



4 Starting AhsayOBM

Login to AhsayOBM

1. The Free Trial Registration menu may be displayed when you login for the first time.



- 2. Click **Login** if you already have an AhsayOBM account, or click **Free Trial** to register for a trial backup account.
- 3. Click **Show advanced option** to enter the backup server settings provided by your backup service provider.

	AhsayOBM	
Backup Server http ♥ 10.23.6.91		~
Proxy (HTTP)		
Use proxy to access the Internet Off		



	AhsayOBI	М	L D)
		English	~
k	Login		
	Login name username		
	Password		
	Save password		
	Show advanced option	ОК	

Enter the login name and password of your AhsayOBM account. Then, click OK to login.



5 AhsayOBM Overview Information Profile Language AhsayOBM -AhsayOBM TestAccount ð English < f y in Þ Report Restore

AhsayOBM main interface has nine (9) icons that can be accessed by the user, namely:

- Profile
- Language
- Information
- Backup
- Backup Sets
- Report
- Restore
- Settings
- Utilities

Profile

The **Profile** icon shows the settings that can be modified by the user.



There are five (5) available features:

- General
- Contacts
- Time Zone
- Encryption Recovery
- Password

General

The General tab displays the user's information.

	Ahs	sayOBM		-		×
Profile	User Infor	mation				
General	Login name Display name	User_01		1		
Contacts				1		
Time Zone						
Encryption Recovery						
Password						
			Save Cance	:	Help	

Control	Description
Login name	Name of the backup account.
Display name	Display name of the backup account upon logging in to the AhsayCBS User Web Console.
Contacts

This refers to the contact information of the user. You can also add multiple contacts or modify an existing contact information. Having this filled up will help in sending backup and daily reports and even recovered backup set encryption key in case it was forgotten or lost.

	AhsayOBM	-		×
Profile	Contacts			
General	Existing contacts Add new contact			
Contacts	—			
Time Zone				
Encryption Recovery				
Password				
	Save	el	Help	>

To add a new contact, follow the instructions below:

1. Click the [+] plus sign to add a new contact.



- 2. Complete the following fields then click the [OK] button to return to the main screen.
 - Name
 - Email
 - Address
 - Company
 - Website
 - Phone 1
 - Phone 2

AhsayOBM	-	•	×
Profile			
New Contact			^
Name			iii
Email			I
			I
Send me encrypted email (S/MIME)			I
Address			I
Company			I
			I
Website			I
Phone 1			7
			~
	ок	Cancel]
	Save Cancel	Help]

3. Click the [Save] button to store the contact information.

AhsayOBM		-		×
Profile	Contacts			
General	Existing contacts Sample Full Name Samplemail@email.com			
Contacts	Add			
Time Zone				
Encryption Recovery				
Password				
	Save	ancel	Hel	lp

www.ahsay.com

Time Zone

The time zone indicated.

	AhsayOBM	- 1	×
Profile	Time Zone		
General	GMT+08:00 (HKT)		
Contacts			
Time Zone			
Encryption Recovery			
Password			
	Si	ave Cancel H	lelp

To modify the time zone, follow the instructions below:

1. Select from the dropdown list.



2. Click the [Save] button to save the updated time zone.

Encryption Recovery

Backup set encryption key can be recovered by turning this feature on.

Note: This option may not be available. Please contact your backup service provider for more details.

	AhsayOBM _ 🗖	×
Profile	Encryption Recovery	
General	With this option enabled, you can recover your backup set encryption keys by sending a request to us.	
Contacts		
Time Zone		
Encryption Recovery		
Password		
	Save Cancel Help	

Password

Login password can be modified anytime. Tick the [Save Password] box to bypass the password entry upon opening AhsayOBM.

	AhsayOBM	-	۰	×
Profile	Password			
General	Change Password			
Contacts				
Time Zone				
Encryption Recovery				
Password				
	Save	el	Help	

To modify the password, follow the instructions below:

1. Click the [Change Password].



2. Enter the current password

AhsayOBM	-	٥	×
Profile			
Change Password Please confirm current password			
Net	t	Cancel	
Save	icel	Help	

3. Enter the New Password and re-enter the new password then click the [OK] button to return to the main screen.

	AhsayOBM		-	۵	×
Profile	Destword				
Change Passwo	rd				
New Password					
Re-enter password					
		ОК		Cancel	
		Save	el [Help	

4. Click the [Save] button to store the updated password.

Language

The list of available languages depends on the backup service provider.



Information

The information icon displays the product version and system information of the machine where AhsayOBM is installed.



Backup

This feature is used to run the backup set/s.



To start backing up, follow the instructions on Chapter 8 Running Backup Jobs.

Backup Sets

A backup set is a place for files and/or folders of your backed-up data. This feature allows the user to select files individually or an entire folder to backup. It is also used to delete backup set/s.



To create or modify a backup set, follow the instructions on Chapter 6 Creating a File Backup Set.

Backup Set Settings

Below is the list of configurable items under the Backup Sets:

- General
- Source
- Backup Schedule
- Destination
- In-File Delta
- Retention Policy
- Command Line Tool
- Reminder
- Bandwidth Control
- Others

General

	AhsayOBM	-	۵	×
Sample Backup Set 01	General			
General	Sample Backup Set 01	7		
Source	Owner centos7			
Backup Schedule				
Destination Show advanced settings				
Delete this backup set		Save Cancel	Help	2

This allows the user to modify the name of the backup set.

To modify the backup set name, follow the instructions below:

- 1. Enter the new backup set name on the Name field.
- 2. Click the [Save] button to save the new backup set name.

Source

This allows the user to select the files and/or folders that they would like to backup. To know more about filtering, please check this document <u>AhsayOBM v7 Backup Source File Filter Guide</u>.

	AhsayOBM	-		×
Sample Backup Set 01	Backup Source Select the files and folders that you want to backup			
Source Backup Schedule Destination Show advanced settings	Filter Apply filters to the backup source Off would like to choose the files to backup			
Delete this backup set	Save	ncel	Help	

Backup Schedule

This allows the user to assign a backup schedule for the backup job to run automatically. For more details on how to configure a backup schedule, follow the instructions on <u>Chapter 8 Configure Backup</u>.

Destination

This allows the user to view the current backup mode and existing storages and add additional storage destinations.

	AhsayOBM	-		×
Sample Backup Set 01	Destination			
General	Backup mode Sequential 🖌			
Source	Existing storage destinations			
Backup Schedule	G AhsayCBS Host: 10.90.10.11:443			
Destination	Add			
In-File Delta				
Retention Policy				
Command Line Tool				
Bandwidth Control				
Others				
Hide advanced settings				
Delete this backup set		Save Cancel	Help	2

In-File Delta

This allows the user to select from the drop-down list: Differential or Incremental backup. Click the Show advanced settings to view the advanced configurations of the in-file delta settings.



	Ah	sayOBM				-	o x
Sample Backup Set 01		Full		Thursday		*	^
General	U Tuesday		~ ~	Saturday		~	
Source Backup Schedule	Yearly variation	s for overric	ing default ty	pe and weekly va	riations		
Destination	February		~	August		~	
In-File Delta	March		~	September		~	- 1
Retention Policy	April		<u> </u>	November		~	- 1
Command Line Tool	June		~	December		\sim	- 1
Bandwidth Control Others Hide advanced settings	Day of the select Day 1	Friday settings	in yearly varia	ations			y
Delete this backup set					Save	Cancel	Help

To configure the in-file delta settings, follow the instructions below:

1. Slide the lever to the right to enable the In-File Delta.

In-File De	elta
Enable In-File On	Delta incremental / differential backup
Default type	
Incremental	~
Show advance	ed settings

- 2. Select the type, whether Incremental or Differential.
 - Incremental delta is generated by comparing with the last uploaded full or delta file. This type uses the least bandwidth and is smaller in size. For restoration, the full file and all delta chains up to the required point-in-time are required to be restored and merged.
 - Differential delta is generated by comparing the last uploaded full file only. This type will use more bandwidth and grow daily. For restoration, the full file and only a single delta is required to be restored and merged.



- 3. Click [Show advanced settings] if you want to configure the advanced settings.
- 4. Select the In-File Delta block size.



5. Select the file size where it will be applied.

Only apply In-File Delta to files larger than		
25	✔ МВ	
25	ither of these conditi	or
50	s over 100	_
100		_
500	le size / full file size) i	S
1000	delta file	

6. Check to determine when the full file will be uploaded.



7. Select the day of the week when default type will be overridden.

Weekly variation	ns for overriding de	efault type		
🖌 Sunday	Full 🗸	🗌 Thursday	Full	\checkmark
Monday	Full	🗌 Friday	Full	\checkmark
Tuesday	Differential Incremental	Saturday	Full	¥
Wednesday	Full			

8. Select the month, week and day when default type will be overridden.

Yearly variation	s for overriding	g defa	ault type and weekly var	iations	
✓ January	Full	~	July	Full	~
February	Full	¥	August	Full	\checkmark
March	Full	¥	September	Full	\checkmark
April	Full	¥	October	Full	\checkmark
May	Full	¥	November	Full	\checkmark
June	Full	¥	December	Full	\checkmark
Day of the selec	ted months in	yearl	y variations		
● First V	Friday	~]		
Hide advanced	_{se} Sunday	^			
	Monday				
	Tuesday				
	Wednesday			Save	Cancel
	Thursday				
	Friday				
	Saturday				
	Weekday	-			

Retention Policy

This allows the user to retain the deleted files based on the selected retention type policy.

	AhsayOBM	- • ×
General Source Backup Schedule Destination	Retention Policy How to retain the files in the backup set, which have been dele source Simple Advanced Keep the deleted files for 7 V Day(s) V	ted in the backup
In-File Delta		
Retention Policy		
Command Line Tool		
Bandwidth Control		
Others Hide advanced settings		
Delete this backup set	Save	Cancel Help

To configure the retention policy, follow the instructions below:

- 1. Select how to retain the files, whether Simple or Advanced.
 - a. For Simple, select how many days or jobs the deleted files will be kept.

How to retain the fi source Simple Advanced	es in the backup set, whicl	h have been deleted in the backup
Keep the deleted file	s for	
7 🗸	Day(s) 🖌	
	Day(s)	
	Job(s)	

b. For Advanced, configure according to your preferred settings.

i. Click the [+] button to add a retention policy.



ii. Specify the Name.

Name		
Daily-1		



iii. Select the Type.

Daily – select the number of days

Туре	
Daily 🗸 🗸	
The past numbe	er of days on which different versions of your files are retained

> Weekly – select the day and number of weeks

Туре
Weekly 🗸
The days within a week on which different versions of your files are retained
The number of weeks to repeat the above selection

Monthly – select the day or combination of day and week in a month and number of months

Type Monthly
The day within a month on which different versions of your files are retained
● Day 1
🔿 First 🖌 Sunday
The number of months to repeat the above selection

Quarterly – select the day or combination of day and week in a month, months of quarter and number of quarters

Type Quarterly
The day within a quarter on which different versions of your files are retained
O Pay 1 ♥ First ♥ Sunday ♥
Months of quarter
January, April, July, October 🖌
The number of quarters to repeat the above selection 1

Yearly – select the month, day in a month or combination of day and week in a month or week and day in a month and number of years

Type Yearly
The day within a year on which different versions of your files are retained
 ● January
● Day 1 🖌
🔿 First 🖌 Sunday 🖌
O Sunday 🖌 of Week 1
The number of years to repeat the above selection

Custom – select the month, day in a month or combination of day and week in a month or week and day in a month and year

Type Custom 🖌]
A specific day o	n which different versions of your files are retained
 January 	✓
Day	~
O First	Sunday
O Sunday	✓ of Week 1 ✓
Year 2019 🖌	

- iv. Click [OK] to save the retention policy.
- 2. Click the [Save] button to save the settings.

Command Line Tool

This allows the user to configure pre-backup or post backup command which can be; an operating system level command, a script or batch file, or third-party utilities to run before and after a backup job.

For example: connecting to a network drive and disconnecting a network drive, stopping a third-party database (not officially supported by Ahsay) to perform a cold backup and restarting a third-party database after the backup.



To add a pre-backup command line tool, follow the instructions below:

1. Click the [+] sign or add button.



- 2. Complete the following fields:
 - Name
 - Working Directory
 - Command

AhsayOBM		-		×
Sample Backlin Set 01 Dro Dockup Command Line Tool				
New Pre-Backup Command Line Tool				
Pre-Backup-1				
Working Directory				
Convert .	Change			
Command				
	ок	Cancel	Help	
Delete this backup set	Save	Cancel	Help	

- 3. Click the [Change] button to select the working directory.
- 4. Click the [OK] button to save the setting.

To add a post-backup command line tool, follow the instructions below:

1. Click the [+] sign or add button.



- 2. Complete the following fields:
 - Name
 - Working Directory
 - Command

AhsayOBM	_ = ×
Sample Backlin Set 01 Pro Bocklin Command Line Teal	
New Post-Backup Command Line Tool Name Post-Backup-1 Working Directory	Change
	OK Cancel Help
Delete this backup set	Save Cancel Help

- 3. Click the [Change] button to select the working directory.
- 4. Click the [OK] button to save the setting.

Bandwidth Control

This allows the user to limit the amount of bandwidth used by backup traffic between specified times. There are two (2) modes in assigning a bandwidth control.

- Independent each backup and restore has its assigned bandwidth
- Share all backup and restore share the same assigned bandwidth.

Note: Share mode does not support performing of backup job on multiple destinations concurrently.

	AhsayOBM	-	٥	×
Sample Backup Set 01 General Source Backup Schedule Destination In-File Delta Retention Policy Command Line Tool Bandwidth Control Others Hide advanced settings	Bandwidth Control Interference when performing backup and restore tasks on <pon<< th=""><th></th><th></th><th></th></pon<<>			
Delete this backup set	Save	Cancel	Help	

To enable, choose a mode, and add a bandwidth control, follow the instructions below:

1. Swipe the lever to the right to enable the bandwidth control.

Bandwidth Control Limit the transfer rate when performing backup and restore tasks Off
Bandwidth Control
Limit the transfer rate when performing backup and restore tasks
On
Mode
Independent
O Share
Existing bandwidth controls
+ Add new bandwidth control

2. Select a mode: Independent or Share.



3. Click the [+] sign or add button.

Existing bandwidth controls
Add new bandwidth control

- 4. Complete the following fields:
 - Name
 - Type
 - Maximum transfer rate

AhsayOBM	-	•	×
Comple Darling Set 01			
Sample Rackbin Sel II i Condwidth Control			
New Bandwidth Control			
Name			
Bandwidth Control-1			
Туре			
 Always 			
Only within this period			
Maximum transfer rate			
100 V Kibit/s V			
OK Car	icel	Help	
Delete this backup set	icel 🛛	Help	

5. Click the [OK] button to save the settings.

Others

These are the list of other backup set settings that can be configured.

- Temporary Directory
- Follow Link
- File Permissions
- OpenDirect
- Compressions
- Encryption



Temporary Directory

This allows the user to configure the temporary directory of spooled files, remote file list, and other temporary backup files.

Temporary Directory	
Temporary directory for storing backup files	
/root/temp	Change
10.32GB free out of total 25.98GB space in /root/temp Remove temporary files after backup	

To configure the temporary directory, follow the instructions below:

- 1. Click the [Change] button to select a directory path for storing the temporary data.
- 2. You also have an option to check or uncheck the [Remove temporary files after backup].
- 3. Click the [Save] button to save the settings.

Follow Link

This allows the user to enable or disable the follow link which defines the NFTS junction or linux symbolic link during backup.

Follow Link	
Follow link of the backup files On	

- 1. Slide the lever to the right to turn on the Follow Link option. Otherwise, slide to the left to turn it off.
- 2. Click the [Save] button to save the settings.

File Permissions

This allows the user to enable or disable the backup file permission which backups the operating system file permission of the data selected as backup source.

File Permissions				
Backup files' permissions On				

- 1. Slide the lever to the right to turn on the File Permissions option. Otherwise, slide to the left to turn it off.
- 2. Click the [Save] button to save the settings.

OpenDirect

This option is not supported in any Linux platform.

OpenDirect
Support of opening backup data directly without restoration Off

Compressions

This allows the user to compress the data during backup job. There are three (3) compression types available:

- No Compression
- Normal
- Fast (Compressed size larger than normal)



To configure the compressions, follow the instructions below:

1. Click the drop-down list and select a compression type:



2. Click the [Save] button to save the settings.

Encryption

This allows the user to view the current encryption settings. For more details about the encryption, check <u>Chapter 6 Creating a File Backup Set</u>.



Report

This feature allows the user to view the backup and restore reports



There are three (3) functions available for this feature:

- Backup
- Restore
- Usage

Backup

This shows the backup reports. There are four (4) filters that can be applied on this feature:

- Date
- Backup Set
- Destination
- Status

	AhsayOBM _ 🗆 🗙
Report	Backup Report
Backup	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Restore	Backup set 👻 Destination 👻 Completion Status 👻
Usage	Sample Backup AhsayCBS Today 14:12 Completed Sample Backup AhsayCBS Today 14:11 Completed Sample Backup AhsayCBS Today 14:55 Interrupted
	Sample Backup AnsayCBS Today 10:54 Completed
	No. of records per page 50 V Page 1/1 V
	Close Help

You can filter and view the backup report using the Date filter.

	AhsayOBM	- • ×
Report	Backup Report	
Backup	From To 01 V Jul V 2019 V 17 V Jul V 2019 V	Go
Restore	Backup set 🗸 Destination 🗸 Completion	Status 🗸
Usage	 Sample Backup Set 02 AhsayCBS Today 14:12 Sample Backup Set 03 AhsayCBS Today 14:11 Sample Backup Set 02 AhsayCBS Today 10:55 Sample Backup Set 01 AhsayCBS 	Completed Completed Interrupted Completed
	No. of records per page 50 V	Page 1/1 🗸
		Close Help

You can filter and view the backup report using the Backup set filter.

	AhsayOBM		- • ×
Report	Backup Report		
Backup	From 10 V Jul V 2019 V	To 17 V Jul V 2019 V	Go
Restore	Backup set 👻	Destination 🖌 Completion	Status 🖌
Usage	Backup set Sample Backup Set 02 Sample Backup Set 03 Sample Backup Set 01	 AhsayCBS Today 14:12 AhsayCBS Today 14:11 AhsayCBS Today 10:55 AhsayCBS Today 10:54 	Completed Completed Interrupted Completed
	No. of records per page 50	~	Page 1/1 🗸
			Close Help

You can filter and view the backup report to your selected storage location using the Destination filter.

	AhsayOBM	- D X
Report	Backup Report	
Backup	From To 10 V Jul V 2019 V 17 V Jul V 2	019 ¥ Go
Restore	Backup set V Destination V Comple	etion Status 🗸
	Sample Backup Set 02 Destination Today 1	4:12 Completed
Usage	Sample Backup Set 03 AhsayCBS Today 1	4:11 Completed
	Sample Backup Set 02 AhsayCBS Today 1	0:55 Interrupted
	Sample Backup Set 01	0:54 Completed
	No. of records per page 50 V	Page 1/1 🗸
		Close Help

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	AhsayOBM _ 🗆 🛛 🗙
Report	Backup Report
Backup	$\begin{bmatrix} 10 \\ 01 \\ \end{bmatrix} Jul \\ \hline \end{bmatrix} 2019 \\ \hline \end{bmatrix} \begin{bmatrix} 10 \\ 17 \\ \end{bmatrix} Jul \\ \hline \end{bmatrix} 2019 \\ \hline \end{bmatrix} \\ \hline \\ \hline$
Restore	Backup set V Destination V Completion Status V
Usage	Sample Backup Set 02 Image: AhsayCBS Today 14:12 Status Sample Backup Set 03 Image: AhsayCBS Today 14:11 Completed Sample Backup Set 02 Image: AhsayCBS Today 10:55 Interrupted Sample Backup Set 01 Image: AhsayCBS Today 10:54 Completed Sample Backup Set 01 Image: AhsayCBS Today 10:54 Completed
	No. of records per page 50 V Page 1/1 V
	Close Help

You can filter and view the backup report with the same status using the Status filter.

To view the backup log, follow the instructions below:

1. Select and click a backup report.

	AhsayOBM _ 🗆 🗙
Report	Backup Report
Backup	01 ✔ Jul ✔ 2019 ✔ 17 ✔ Jul ✔ 2019 ✔ Go
Restore	Backup set V Destination V Completion Status V
Usage	Backup set Sample Backup Set 02 Destination AnsayCBS Job 17/07/2019 14:11 Time Today 14:11 - 14:12 (HKT) Status Completed successfully New files * 17 [253.9k/308.2k (17%)] Updated files * 0 Attributes Changed Files * 0 Moved files * 0 Deleted files * 0 Your I = No of files [Total zipped size / Total unzipped size (compression ratio)] View log
	Sample Backup Set 03 G AhsayCBS Today 14:11 Completed No. of records per page 50 V Page 1/1 V Close Help

2. Click the [View log] button.

Backup set, Destination, Log Date and Time, and Status can also be filtered as well as the number of logs per page.

Back	up set Sample Backup Set 02 👻	Destination	AhsayCBS	~
og	17/07/2019 14:11 🖌	Show	All	~
Туре	Log		Time	
0	Start [AhsayOBM v8.2.1.0]	17/07/2	2019 14:11:55	
0	Saving encrypted backup set encryption keys to server	17/07/2	2019 14:11:55	-1
U	Start Backup [In-File Delta: Full]	17/07/2	2019 14:11:56	-1
U.	Using Temporary Directory /root\temp/1563331152587/OBS@1563331204368	17/07/2	2019 14:11:56	_
U	Start running pre-commands	17/07/2	2019 14:11:56	-1
N.	Finished running pre-commands	17/07/2	2019 14:11:56	-1
N.	Downloading server file list	17/07/2	2019 14:11:56	-7
- V	Downloading server file list Completed	17/07/2	2019 14:11:56	
-N	Reading backup source from hard disk	17/07/2	2019 14:11:57	
X	Reading backup source from hard disk Completed	17/07/2	019 14:11:58	
X	[New Directory]/	17/07/2	010 14:11:58	
Ă	[New Directory]_/root/Documents	17/07/2	010 14:11:58	
Ă	[New Directory] /uer	17/07/2	010 14:11:58	
Ă	[New Directory]/usr/local	17/07/2	2019 14:11:58	
Ă	[New File]	17/07/2	2019 14:11:58	
ŏ	[New File] 100% of "/root/Documents/AhsayCloudFileBackupSolution_v10.pptx"	17/07/2	2019 14:11:58	•
			-	

Restore

This shows the restore reports. There are four (4) filters that can be applied on this feature:

- Date
- Backup Set
- Destination
- Status

	AhsayOBM	- • ×
Report	Restore Report	
Backup	From To 10 ♥ Jul ♥ 2019 ♥ 17 ♥ Jul ♥ 2019 ♥	Go
Restore	Backup set 🗸 Destination 🗸 Job	Status 🗸
Usage	 Sample Backup Set 03 AhsayCBS Today 14:58 Sample Backup Set 02 AhsayCBS Today 14:57 Sample Backup Set 02 AhsayCBS Today 14:57 Sample Backup Set 01 AhsayCBS Today 14:54 	Completed Completed Interrupted Completed
	No. of records per page 50 V	Page 1/1 V
		Close Help



	AhsayOBM	- • ×
Report	Restore Report	_
Backup	01 V Jul V 2019 V 17 V Jul V 2019 V	Go
Restore	Backup set 🗸 Destination 🗸 Job	Status 🗸
Usage	 Sample Backup Set 03 AhsayCBS Today 14:58 Sample Backup Set 02 AhsayCBS Today 14:57 Sample Backup Set 02 AhsayCBS Today 14:57 Today 14:57 Today 14:54 	Completed Completed Interrupted Completed
	No. of records per page 50 V	Page 1/1 V
		Close Help

You can filter and view the restore report using the Date filter.

You can filter and view the restore report using the Backup set filter.

	AhsayOBM			-	×
Report	Restore Report				
Backup	From 01 🗸 Jul 🖌 2019 🗸	To 17 ¥ Jul	✔ 2019 ¥	Go	
Restore	Backup set 🗸 🗸	Destination 🗸	Job	Status 🗣	•
Usage	Backup set Sample Backup Set 02 Sample Backup Set 01	 AhsayCBS AhsayCBS AhsayCBS AhsayCBS 	Today 14:58 Today 14:57 Today 14:57 Today 14:54	Completed Completed Interrupted Completed	
	No. of records per page 50	•		Page 1/1 🖌	•
				Close	Help

AhsayOBM × Report Restore Report From То Backup 17 🖌 Jul 🖌 2019 🗸 01 🗸 Jul 🖌 2019 🗸 Go Backup set ✓ Destination ¥ Job Status ~ Sample Backup Set 03 Destination Today 14:58 Completed Usage AhsayCBS Sample Backup Set 02 Today 14:57 Completed AhsayCBS Sample Backup Set 02 Today 14:57 Interrupted AhsayCBS Sample Backup Set 01 Today 14:54 Completed No. of records per page 50 🖌 Page 1/1 🗸 Close Help

You can filter and view the restore report to your selected storage location using the Destination filter.

You can filter and view the restore report with the same status using the Status filter.

	AhsayOBM	- • ×
Report	Restore Report	
Backup	From To To Jul 2019 17 10	Go
Restore	Backup set 🗸 Destination 🖌 Job	Status 🗸
مودعا ا	Sample Backup Set 03 G AhsayCBS Today 14:58	Status
Usage	Sample Backup Set 02 G AhsayCBS Today 14:57	Completed
	Sample Backup Set 02 G AhsayCBS Today 14:57	Interrupted
	Sample Backup Set 01 🥝 AhsayCBS Today 14:54	Completed
	No. of records per page 50 V	Page 1/1 🖌
		Close Help

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To view the restore log, follow the instructions below:

1. Select and click restore report.

	AhsayOBM _ 🗆 🗙
Report	Restore Report
Backup	From To 01 V Jul V 2019 V 17 V Jul V 2019 V Go
Restore	Backup set V Destination V Job Status V
Usage	Backup set Sample Backup Set 03 X Destination AhsayCBS 17/07/2019 14:58 Job 17/07/2019 14:58 1 Time Today 14:58 - 14:58 (HKT) 1 Status Completed successfully 0 Downloaded files* 1 (325.7k) 1 * Unit = No of files (Download size) View log
	Sample Backup Set 02 AhsayCBS Today 14:57 Completed Sample Backup Set 02 AhsayCBS Today 14:57 Interrupted
	Sample Backup Set 01 Ansay CBS Today 14:54 Completed
	No. of records per page 50 V Page 1/1 V
	Close Help

2. Click the [View log] button.

Backup set, Destination, Log Date and Time, and Status can also be filtered as well as the number of logs per page.

	AhsayOBM	- 0
Report		
Backup set Sample Backup Set 03 ♥]	Show All 🗸
Туре	Log	Time
Start [AhsayOBM v8.2.1.0]		17/07/2019 14:58:23
Initializing decrypt action		17/07/2019 14:58:23
Initializing decrypt action Completed		17/07/2019 14:58:23
Creating new directory "/root/Docume	nts_2/root"	17/07/2019 14:58:24
Creating new directory "/root/Docume	nts_2/root/Pictures"	17/07/2019 14:58:24
Creating new directory "/root/Docume	nts_2/root/Pictures/test"	17/07/2019 14:58:24
Downloading "/root/Documents_2/roo	t/Pictures/test/Screenshot from 2019-01-09 16-40-31.png" (Total 325k bytes)	17/07/2019 14:58:24
Restore Completed Successfully		17/07/2019 14:58:26
Logs per page 50 V		Page 1/1 ¥
		Clos
		Close Hel



Usage

This allows the user to generate and view the backup usage in a graphical view.



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Restore

This feature is used to restore backed-up files to its original or alternate location.



To restore backed-up files, follow the instructions on Chapter 9 Restoring Data.

Settings

This allows the user to enable the Proxy Settings.



To enable the Proxy Settings, follow the instructions below:

- 1. Click the [Settings] module.
- 2. Slide the lever on the right to enable the Proxy Settings.

	AhsayOBM		-	•	×
Settings	Proxy (HTTP)				
Proxy	Use proxy to access the Internet On				
	IP address	Port			
	Login ID				
	Password				
	Test connection				
			100		1
		Save	incel	Help	



- 3. Complete the following fields:
 - IP Address
 - Port
 - Login ID
 - Password

	AhsayOBM		-	۵	×
Settings	Proxy (HTTP)				
Ргоху	Use proxy to access the Internet On				
	IP address	Port			
	10.90.10.12	443			
	Login ID				
	administrator				
	Password	10			
	Test connection				
		Save	e Cancel	Hel	р

4. Click the [Test Connection] button to validate the connection.

	AhsayOBM		- • ×
Settings	Proxy (HTTP)		
Proxy	On		
	IP address	Port	
	10.90.10.12	443	
	Login ID		
	administrator		
	Password		
	 Successfully connected 		
		Save	Cancel Help

5. Click the [Save] button to store the settings.



Utilities

This allows the user to perform health check on the backed-up data, free up storage from obsolete files, delete and decrypt backed-up data.



These are the four (4) options available for this feature:

- Data Integrity Check
- Space Freeing Up
- Delete Backup Data
- Decrypt Backup Data

Data Integrity Check

This feature is used to identify and remove any corrupt file/s on the backup destination/s to ensure restorability.

Note: Data Integrity Check can only be started when there is no manual, scheduled or continuous backup job running.

	AhsayOBM -	۰	×
Utilities	Data Integrity Check		
Data Integrity Check Space Freeing Up Delete Backup Data Decrypt Backup Data	Perform health check for your backed up data to ensure the data integrity restorability Select a backup set All Run Cyclic Redundancy Check (CRC) during data integrity check Rebuild index Start	 and 	
	Close	Hel	p



To perform Data Integrity Check, follow the instructions below:

1. There are four (4) options in performing the Data Integrity Check:

Option #1



For checking the Index and Data

Option #2

Run Cyclic Redundancy Check (CRC) during data integrity check
 Rebuild index

For checking the Index and Integrity of the files against the checksum file generated at the time of the backup job.

Option #3

Start

Run Cyclic Redundancy Check (CRC) during data integrity check
 Rebuild index
 Start

For checking the Index and rebuild the Index.

Option #4

Run Cyclic Redundancy Check (CRC) during data integrity check

✓ Rebuild index

Start

For checking the Index and Integrity of the files against the checksum file generated at the time of the backup job and rebuild Index. 2. Select a backup set from the drop-down list.



If you select a specific backup set then you will also have to select a specific destination or all destinations.

	AhsayOBM –		×
Utilities	Data Integrity Check		
Data Integrity Check	Perform health check for your backed up data to ensure the data integrity a restorability	and	
Space Freeing Up	Select a backup set Sample Backup Set 01	~	
Delete Backup Data	Select a destination		
Decrypt Backup Data	All All AhsayCBS Report muck Start		
	Close	Help	>

If you select All backup sets then there's no need to select a destination.

	AhsayOBM –	o ×
Utilities	Data Integrity Check	
Data Integrity Check	Perform health check for your backed up data to ensure the data integrity an restorability	d
Space Freeing Up	All	•
Delete Backup Data	Run Cyclic Redundancy Check (CRC) during data integrity check	
Decrypt Backup Data	Start	
	Close	lelp

3. Click the [Start] button to perform the data integrity check.



4. The result will be shown once completed. Click the [View Log] to see the event log during the data integrity check.

Ottimies Data integrity Check Area noted, there, for your backed up onto a noteware the data integrity and (TEST MODE) is as follow: Backgue set: Sample backup Set 01 <u>Data nation</u> <u>Integrity Check</u> <u>Terms for integrity on the (TEST MODE) is as follow: <u>Integrity Check</u> <u>In</u></u>	Utilities Data Integrity Check Porte meant, deck, for your backed up data to ensure the data integrity and data back for your backed up data to ensure the data integrity and data back for your backed up data backs for your backed up data ba	Utilit			AhsayOBM				-	
Optimizes Data Integrity Options Data Inte	OPTIMIES Data Integrity Check Atom balk dock for your backed up data to ensure the data integrety and Image: Check for your backed up data to ensure the data integrety and the for your backed up data to ensure the data integret and the for your backed up data to ensure the data integret and the hour backed up data to ensure the data integret and the hour backed up data to ensure the data integret and the hour backed up data to ensure the data integret and the hour backed up data to ensure the data integret and the hour backed up data to ensure the data integret and the hour backed to ensure the data integret and the hour backed to ensure the d									
<text></text>	Perform health check for your backed up data to ensure the data integrity and Image: Comparison of the status performance of the status of the sta									
				Perform h	health check f	or your backe	d up data to ensi	ure the c	lata integrity	and
Provide Provide </td <td>For such of data integrity check (fEST MODE) is as following Each price sample Backup set 01</td> <td></td> <td></td> <td>The second s</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	For such of data integrity check (fEST MODE) is as following Each price sample Backup set 01			The second s						
Balance Sample Backup Set 01 	Backparts 2: Sample Backpart 5: Class 1: Santa Cla		The result of da	ta integrity check (TE	ST MODE) is a	s follow.				
<u>bestimation</u> <u>in index</u> <u>index point</u>	bitsing of the start of th		Backup set: Sample Bac	kup Set 01						
Destination Nimited Corrupted Incorrect Mala block Statistics AbsayCB 13(66.748) 0 (08) 0 (08) 0 (08) Correct • File count (File ste)	Destination Imminutes Corrupted Imcorret data blocks Satistics AbsayCBS 13(66.768) 0(08) 0(08) 0(08) Correct * File count (File ste)			Items found		Checksum	Index broken			
AtsayCB5 13 (86.7kB) 0 (08) 0 (08) Correct * File count (File size) * Close View IA @ United in the size (Close in the size) Close View IA @ United in the size (Close in the size) Close View IA @ United in the size (Close in the size) Close View IA @ United in the size (Close in the size) Close View IA @ United in the size (Close in the size) Close View IA @ United in the size (Close in the size) Close View IA @ United in the size (Close in the size) Close View IA @ United in the size (Close in the size) Close in the size (Close in t	AhsayCBS 13 (66.748) 0 (08) 0 (08) 0 (08) 0 (08) Correct * File count (File size) (Core) View R (Core) The Count (File size) (Partic Partic Partic Partic Partic Partic			in index	corrupted	incorrect	data blocks			
* File count (File size) Core View Re Core Sourd Allow Sourd View Re Sourd Allow Sourd View Re Core Sourd Allow Sourd View Re Sourd All	* File count (File size) Core Ver vie		AhsayCBS	13 (86.7kB)	0 (0B)	0 (0B)	0 (0B)	Correct	_	
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Close View R AbayOM ••••••••••••••••••••••••••••••••••••	Close Verv li AhayOBM AhayOBM Image: Close Verv li Marco Close Show All Image: Close									
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BackupFile]Version=10120][ClientPath+/root/Documents_2][Type=T][FullBackupJob=2019-07-17-10-54-06][BackupByJob=2019-07-17-10-54-06][BackupByJob=2019-07-17-10-54-06][BackupFile]Version=10120][ClientPath+/root/Documents_2][Type=T][FullBackupJob=2019-07-17-10-54-06][BackupByJob=2019-07-17-10-54-06][BackupFile]Version=10120][ClientPath+/root/Documents_2/AhsayCB_version7_UserColled+005][BackupJob=2019-07-17-10-54-06][BackupJob=2019-07-17-10-54-06][BackupFile]Version=10120][ClientPath+/root/Documents_2/AhsayCB_version7_UserColled+005][Type=T][FullBackupJob=2019-07-17-10-54-06][BackupJob=2019-07-17-10-54-06][BackupJob=2019-07-17-10-54-06][BackupFile]Version=10120][ClientPath+/root/Documents_2/AhsayCB_version7_UserColled+00cx][Type=T][FullBackupJob=22. 18/07/2019 09:51:25 BackupFile]Version=10120][ClientPath+/root/Documents_2/AhsayCB_UserColled+00cx][Type=T][FullBackupJob=22. 18/07/2019 09:51:25 BackupFile]Version=10120][ClientPath+/root/Documents_2/AhsayCB_UserColled+00cx][Type=T][FullBackupJob=2019-07-17-10-54-06]. 18/07/2019 09:51:25 BackupFile]Version=10120][ClientPath+/root/Documents_2/AbsayCB_UserColled+00cx][Type=T][FullBackupJob=2019-07-17-10-54-06]. 18/07/2019 09:51:25 BackupFile]Version=10120][ClientPath+/root/Documents_2/AcgFile_2013.txt][Type=T][FullBackupJob=2019-07-17-10-54-06]. 18/07/2019 09:51:25 BackupFile]Version=10120][ClientPath+/root/Documents_2/AcgFile_2013.txt][Type=T][FullBackupJob=2019-07-17-10-54-06]. 18/07/2019 09:51:25 BackupFile]Version=10120][ClientPath+/root/Documents_2/AcgFile_2013.txt][Type=F][FullBackupJob=2019-07-17-10-54-06]. 18/07/2019 09:51:25 BackupFile]Version=10120][ClientPath+/root/Documents_2/AcgFile_2013.txt	Backupfile]/Version=10120][ClientPath+/root/Documents_2][Type=T][FullBackup]bob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-06][BackupFile]/Version=10120][ClientPath+/root/Documents_2/Ahsay/CB UserSindLedcox][Type=F][FullBackup]ob=2019-07-17-10-54-06] 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath-/root/Documents_2/Ahsay/CB UserSindLedcox][Type=F][FullBackup]ob=2019-07-17-10-54-06] 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath-/root/Documents_2/Ahsay/CB UserSindLedcox][Type=F][FullBackup]ob=2019-07-17-10-54-06] 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath-/root/Documents_2/Absay/CB UserSindTo_400-400[Jobe=2019-07-17-10-54-06] 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath-/root/Documents_2/AlogFile_20118.txt][Type=F][FullBackup]ob=2019-07-17-10-54-06] 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath-/root/Documents_2/AlogFile_20118.txt][Type=F][FullBackup]ob=2019-07-17-10-54-06] 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath-/root/Documents_2/AlogFile_2018.txt][Type=F][FullBackup]ob=2019-07-17-10-54-06] 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath-/root/Documents_2/AlogFile_VTIType=F][FullBackup]ob=2019-07	og 18/07/20 Type Data inte Start [Ah Start [Ah Start data Start pro Rebuildin Rebuildin Backung	119 09:51 ♥ grity check (TEST MODE) isayOBM v8.2.1.0] a integrity check on backup set " ressing data integrity check on b g index iaDVersion=10120IIC isentPath=	Log Sample Backup Set 01(1 backup set= "Sample Bac	563331116102)", kup Set 01" destir	"AhsayCBS(15633 nation= "AhsayCBS	i31144978)", crc enabl. " =2019-07-17-10-54-061	Show 18/07 18/07 . 18/07 18/07 18/07 18/07	All Time //2019 09:51:17 //2019 09:51:17 //2019 09:51:23 //2019 09:51:25 //2019 09:51:25	~
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BackupFile][Version=10120][ClientPath=/usr/Icadia BackupFile][Version=10120][ClientPath=/usr/Icadia BackupFile][Version=10120][ClientPath=/usr/Icadia BackupFile][Version=10120][ClientPath=/usr/Icadia BackupFile][Version=10120][ClientPath=/usr/Icadia BackupFile][Version=10120][ClientPath=/usr/Icadia BackupFile][Version=10120][ClientPath=/usr/Icadia BackupFile][Version=10120][ClientPath=/roov/Documents_2/AhsayCB5_version7_UserCluided.coc:[]Type=F][FullBackupJob=2019-07-17-10-54-06] BackupFile][Version=10120][ClientPath=/roov/Documents_2/AhsayCB5_Version7_UserCluided.coc:[]Type=F][FullBackupJob=2019-07-17-10-54-06] BackupFile][Version=10120][ClientPath=/roov/Documents_2/AhsayCB1_Version7_QuickStartGuided.coc:[]Type=F][FullBackupJob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath=/roov/Documents_2/LogFile_2017.txt][Type=F][FullBackupJob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath=/roov/Documents_2/LogFile_2018.txt][Type=F][FullBackupJob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath=/roov/Documents_2/LogFile_2018.txt][Type=F][FullBackupJob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath=/roov/Documents_2/LogFile_2018.txt][Type=F][FullBackupJob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath=/roov/Documents_2/LogFile_2018.txt][Type=F][FullBackupJob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath=/roov/Documents_2/LogFile_txt][Type=F][FullBackupJob=2019-07-17-10-54-06][Back BackupFile][Version=10120][ClientPath=/roov/Documents_2/LogFile_txt][Type=F][FullBackupJob=2019-07-17-10-54-06][Back BackupFile][Version=10120][ClientPath=/roov/Documents_2/LogFile_txtt][Type=F][FullBackupJob=2019-07-17-10-54-06][Back	BackupFile][Version=10120][ClientPath-/usr/ICupe=T][FullBackup]ob=2019-07-17-10-54-06][BackupBylob=2019-07-17-10-54-05] BackupFile][Version=10120][ClientPath-/usr/Icot][Type=T][FullBackup]ob=2019-07-17-10-54-06][BackupBylob=2019-07-17.10-54-06] BackupFile][Version=10120][ClientPath-/usr/Icot][Type=T][FullBackup]ob=2019-07-17-10-54-06][BackupBylob=2019-07-17.10-54-06] BackupFile][Version=10120][ClientPath-/root/Documents_2/AhsayCB_Version7_UserGuide.docs][Type=T][FullBackup]ob=2019-07-17-10-54-06] BackupFile][Version=10120][ClientPath-/root/Documents_2/AhsayCB_Version7_UserGuide.docs][Type=F][FullBackup]ob=2019-07-17-10-54-06] BackupFile][Version=10120][ClientPath-/root/Documents_2/AhsayCB_Version7_QuickStartGuide.docs][Type=F][FullBackup]ob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath-/root/Documents_2/LogFile_2017.txt][Type=F][FullBackup]ob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath-/root/Documents_2/LogFile_2017.txt][Type=F][FullBackup]ob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath-/root/Documents_2/LogFile_2017.txt][Type=F][FullBackup]ob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath-/root/Documents_2/LogFile_2017.txt][Type=F][FullBackup]ob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath-/root/Documents_2/LogFile_2018.txt][Type=F][FullBackup]ob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath-/root/Documents_2/LogFile_2018.txt][Type=F][FullBackup]ob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath-/root/Documents_2/LogFile_VERSister][Type=F][FullBackup]ob=2019-07-17-10-54-06]. BackupFile][Version=10120][ClientPath-/root/Documents_2/LogFile_VERSister][Type=F][FullBackup]ob=2019-07-17-10-54-06][Back BackupFile][Version=10120][ClientPath-/root/Documents_2/LogFile_VERSister][Typ	og 18/07/20 Type Data inte Start [Ah Start [Ah Start pro Rebuildin BackupF BackupF BackupF BackupF BackupF	119 09:51 grity check (TEST MODE) isayOBM v8.2.1.0] a integrity check on backup set " cessing data integrity check on t g index ile]/version=10120](ClientPath= ile]/version=10120](ClientPath=	Log Sample Backup Set 01(1: sackup set= "Sample Bac \$JOB_ATTRIBUTES][Type /][Type=T][FullBackupJob /roo][Type=T][FullBackupJob	563331116102)", kup Set 01" destin =F][FullBackup]ot =2019-07-17-10- p]ob=2019-07-17	"AhsayCBS(15633 ation= "AhsayCBS ==1][BackupByJob =10-54-06][Backup 10-54-06][Backup	131144978)", crc enabl 5" =2019-07-17-10-54-06 sb=2019-07-17-10-54-0 Bylob=2019-07-17-10-	Show 18/07 18/07 18/07 18/07 18/07 18/07 18/07 18/07	All Time //2019 09:51:17 //2019 09:51:17 //2019 09:51:27 //2019 09:51:25 //2019 09:51:25 //2019 09:51:25 //2019 09:51:25	`
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BackupFile]/Version=10120][ClientPath=/root/Documents_2/LogFile_txt][Type=F][FullBackupJob=2019-07-17-10-54-06][Back 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath=/root/Documents_2/LogFile_txt][Type=F][FullBackupJob=2019-07-17-10-54-06][Back 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath=/root/Documents_2/LogFile_txt][Type=F][FullBackupJob=2019-07-17-10-54-06][Back 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath=/root/Documents_2/LogFile_txt][Type=F][FullB	BackupFile]/Version=10120][ClientPath=/rooz/Documents_2/AhsayCBS_version7_UserStudeAdvCl][Type=F][FullBackup]ob=2 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath=/rooz/Documents_2/AbsayCB_UserStudeAdvCl][Type=F][FullBackup]ob=2019-07:17:10-54 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath=/rooz/Documents_2/AbsayCB_UserStudeAdvCl][Type=F][FullBackup]ob=2019-07:17:10-54 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath=/rooz/Documents_2/AbsayCB_UserStudeAdvCl][Type=F][FullBackup]ob=2019-07:17:10-54-06] 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath=/rooz/Documents_2/LogFile_2018.txd][Type=F][FullBackup]ob=2019-07:17:10-54-06] 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath=/rooz/Documents_2/LogFile_2018.txd][Type=F][FullBackup]ob=2019-07:17:10-54-06] 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath=/rooz/Documents_2/LogFile_txd][Type=F][FullBackup]ob=2019-07:17:10-54-06] 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath=/rooz/Documents_2/LogFile_txd][Type=F][FullBackup]ob=2019-07:17:10-54-06] 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath=/rooz/Documents_2/LogFile_txd][Type=F][FullBackup]ob=2019-07:17:10-54-06][Backu 18/07/2019 09:51:25 BackupFile]/Version=10120][ClientPath=/rooz/Documents_2/LogFile_txd][Type=F][FullBackup]ob=2019-07:17:10-54-06][Backu 18/07/2019 09:51:25 Logs per page 50 Page Page 1/1 <td>Log 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Space Freeing Up

This feature is used to remove obsolete file/s from your backup set and destination.

To perform Space Freeing Up, follow the instructions below:

1. Select a backup set from the drop-down list.



If you select a specific backup set then you will also have to select a specific destination or all destinations.



If you select All backup sets then there's no need to select a destination.

	AhsayOBM I	×
Utilities	Free Up Storage Space	
Data Integrity Check	To remove obsolete files from your backup destination according to your retention policy setting to free up your storage space, select backup set(s), destination(s) and then press Start.	n d
Space Freeing Up	Select a backup set	-
Delete Backup Data		
Decrypt Backup Data	start	
		_
	Close	lelp

2. Click the [Start] button to perform space free up.



3. The result will be shown once completed. Click the [View Log] to see the event log during the space free up.



Delete Backup Data

This feature is used to delete backed-up files from a specific or all backup sets.

To perform deletion of backup data, follow the instructions below:

1. Select a backup set from the drop-down list.



If you select a specific backup set then you will also have to select a specific destination or all destinations.



If you select All backup sets then there's no need to select a destination.



- 2. There are three (3) options for the type of files you wish to delete.
 - Delete all backed up data
 - Choose from files as of job
 - Choose from ALL files

	AhsayOBM	-	×	
Utilities	Delete Backup Data			
Data Integrity Check Space Freeing Up	Delete backed up data of a specific backup set from a specific destinati will physically delete the selected data regardless the defined re Therefore, make sure you know what you are deleting and NO undo w afterward. Select a backup set	on. This actio tention policy ill be availabl	n /. e	
Delete Backup Data	Sample Backup Set 01	~	•	
Decrypt Backup Data	Select a destination AhsayCBS	~	r I	
	Select what to delete Delete all backed up data Delete all backed up data Choose from files as of job Choose from ALL files			
		Close	lelp	

Delete all backed up data, all the data in the selected backup set and destination will be removed.

	AhsayOBM _ D	×
Utilities	Delete Backup Data	
Data Integrity Check Space Freeing Up	Delete backed up data of a specific backup set from a specific destination. This action will physically delete the selected data regardless the defined retention policy. Therefore, make sure you know what you are deleting and NO undo will be available afterward. Select a backup set	
Delete Backup Data	Sample Backup Set 01	
Decrypt Backup Data	Select a destination AhsayCBS Select what to delete Delete all backed up data Delete 	
	Close Help	þ

Choose from files as of job, all selected files from a backup snapshot will be removed.







3. Click the [Delete] button to perform deletion of files.





Decrypt Backup Data

This feature is used to restore raw data by using the data encryption key that was set for the backup set.

	AhsayOBM	_ D X
Utilities	Decrypt Backup Data	
Data Integrity Check	Please enter the path to the [<backup id="" set="">/blocks] folder backup files that you want to decrypt.</backup>	which contains the
Space Freeing Up	Temporary directory for storing restore files	Browse
Decrypt Backup Data	Decrypt	
		Close Help

To perform decryption of backup data, follow the instructions below:

- 1. Click the [Browse] button to locate the path of the backup set ID / blocks folder.
- 2. Click the [Browse] button to re-select the temporary folder for the decrypt process.
- 3. Click the [Decrypt] button to begin.

Online Help

This allows the user to view the summary of information and instructions of each available feature in AhsayOBM.

	AhsayOBM		-		×
Profile	Password				
General	Change Password				
Contacts	Save password				
Time Zone					
Encryption Recovery					
Password					
Passworu					
		Sava	Cancel	He	
		Save	Cancer	пе	ip
	AhsayOBM		-		×
Profile	AhsayOBM		-		×
Profile	AhsayOBM		-		×
Profile Profile	AhsayOBM		-		×
Profile Profile You can modify the you	AhsayOBM		-		×
Profile Profile You can modify the you Key:	AhsayOBM Descrittoord				×
Profile Profile You can modify the you Key: Field	AhsayOBM Description The bar for the parameter of the par				×
Profile Profile You can modify the you Key: Field Please confirm current password.	AhsayOBM Decourded Decourded r login password or by pass the password checking. Description The box for your current password entry. You need to type in the correct password before you can change a new password.		-		×
Profile Profile You can modify the you Key: Field Please confirm current password. New Password Peenter	AhsayOBM Description The text box for your new password.		-		×
Profile Profile You can modify the you Key: Field Please confirm current password. New Password Reenter Password	AhsayOBM Description Description The text box for your new password. The text box for your new password. The text box for your new password. The text box for your new password and "Reenter Password" do not match, you will be promoted to enter the password again.		-		*
Profile Profile You can modify the you Key: Field Please confirm current password. New Password Reenter Password Save password	AhsayOBM Description The box for your current password entry. You need to type in the correct password before you can change a new password. The text box for your new password. The text box for you to reenter new password, this is to verify the 'New Password' entry. If both 'New Password' and 'Reenter Password' do not match, you will be promoted to enter the password again. By pass the password entry when you open the AhsayOBM interface.		-		×
Profile Profile You can modify the you Key: Field Please confirm current password. New Password Reenter Password Save password	AhsayOBM Description The box for your current password entry. You need to type in the correct password before you can change a new password. The text box for your new password. The text box for you to reenter new password, this is to verify the 'New Password' and 'Reenter Password' do not match, you will be promoted to enter the password again. By pass the password entry when you open the AhsayOBM interface.		-		×
Profile Profile You can modify the you Key: Field Please confirm current password. New Password Reenter Password Save password Save password	AhsayOBM Description The box for your current password entry. You need to type in the correct password before you can change a new password. The text box for your new password. The text box for your new password. The text box for your to reenter new password, this is to verify the 'New Password' entry. If both 'New Password' and 'Reenter Password' do not match, you will be promoted to enter the password again. By pass the password entry when you open the AhsayOBM interface. Deassword. Deaceword. Deace		-		×
Profile Profile You can modify the you Key: Field Please confirm current password. New Password Reenter Password Save password Save password	AhsayOBM Description Description The box for your current password entry. You need to type in the correct password before you can change a new password. The text box for your new password. The text box for your new password. The text box for you to reenter new password, this is to verify the 'New Password' entry. If both 'New Password' and 'Reenter Password' do not match, you will be promoted to enter the password again. By pass the password entry when you open the AhsayOBM interface. Dessword settions:		Print	Clos	× •

6 Creating a File Backup Set

1. Click the **Backup Sets** icon on the main interface of AhsayOBM.



- 2. Create a new backup set by clicking the "+" icon next to Add new backup set.
- 3. Name your new backup set and select the Backup set type. Then, click **Next** to proceed.

	Create	e Back	up Set		
Name					
Backup set type					
File Backup		~			
				Nevt	Cancel Heln

4. In the Backup Source menu, select the files and folder that you would like to backup. Click I would like to choose the files to backup to select individual files for backup.

Backup Source	
Select the files and folders that you want to backup 📝 🙀 root	
Filter Apply filters to the backup source Off I I would like to choose the files to backup	
	Previous Next Cancel Help

5. In the Advanced Backup Source menu, select the folder to back up all files in the folder.

Advanced	d Backup Source		
Folders	thumbnails Desktop Garage Constraints Desktop Garage Constraints Desktop Garage Constraints Downloads Downloads Downloads Music NewFolder Pictures Public Restore to alternate location Templates Videos root temp test n inux	^	
			OK Cancel

6. Alternatively, if you want to back up a specific file instead of all files in your selected folder, select the **Show files** checkbox at the bottom of the screen. A list of files will appear on the right hand side. Select the checkbox(es) next to the file(s) to back up. Then, click **OK** to



Advanced Ba	Ackup Source Name Report_Nov2016 P Report_Occ2016 P Report_Sep2016 Rup2016 Name Report_Sep2016	Size Date mod 133 byt 15/11/2016 133 byt 15/11/2016 135 byt 15/11/2016	fied 15:16 18:44 18:44
Music NewFol NewFol Public Public Public Templa Videos Toot Show files	to altern tes	Items per page 50 V Page	1/1 🗸
			OK Cancel

- 7. In the Backup Source menu, click **Next** to proceed.
- 8. In the Schedule menu, you can configure a backup schedule for backup job to run automatically at your specified time interval. Click **Add** to add a new schedule. Then, click **Next** to proceed.

Schedule
Run scheduled backup for this backup set On Existing schedules Backup Schedule Daily (Everyday at 20:00) Add
Previous Next Cancel Help

9. In the Destination menu, select a backup destiantion where the backup data will be stored. Click the "+" icon next to Add new storage destination / destination pool.

Destination
Sequential Existing storage destinations Image: Add new storage destination / destination pool Image: Add new storage destination / destination pool
Previous Next Cancel Help

10. Select the destination type and destination storage. Then, click **OK** to proceed.

New Storage Destination / De	estination Pool	
Name CBS		
Type Single storage destination Destination pool 		
Destination storage	u	
6 05		



Destination
Backup mode Sequential Cisting storage destinations Constraint 10.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.
Previous Next Cancel Help

12. In the Encryption window, the default **Encrypt Backup Data** option is enabled with an encryption key preset by the system which provides the most secure protection.

	Encryption	
Encrypt Backup Data On		
Encryption Type		
Default		
User password		
Custom		

You can choose from one of the following three Encryption Type options:

- Default an encryption key with 44 alpha numeric characters will be randomly generated by the system
- User password the encryption key will be the same as the login password of your AhsayOBM at the time when this backup set is created. Please be reminded that if you change the AhsayOBM login password later, the encryption keys of the backup sets previously created with this encryption type will remain unchanged.

Custom – you can customize your encryption key, where you can set your own algorithm, encryption key, method and key length.

Encryption
Encrypt Backup Data On Encryption Type Custom Algorithm AES Encryption key
Re-enter encryption key Method ECB O CBC Key length 128-bit O 256-bit
Previous Next Cancel Help



Click Next when you are done setting.

13. If you have enabled the Encryption Key feature in the previous step, the following pop-up window shows, no matter which encryption type you have selected.

Encrypti	on
Encrypt Backup Data On Encryption Type	
You are advised to write this encryption key d a safe place. You will need it when you nee Please confirm that you have done so.	own on paper and keep it in d to restore your files later.
•••••	
Unmask encryption key	
	Copy to clipboard Confirm

The pop-up window has the following three options to choose from:

Unmask encryption key – The encryption key is masked by default. Click this option to show the encryption key.



- Copy to clipboard Click to copy the encryption key, then you can paste it in another location of your choice.
- > Confirm Click to exit this pop-up window and proceed to the next step.
- 14. The following screen shows when the new backup set is created successfully.

Congratulations!	
"Backup Set Name" is successfully created.	
	Backup now Close

7 Overview on Backup Process

The following steps are performed during a file backup job:



8 Running Backup Jobs

Login to AhsayOBM

Login to the AhsayOBM application according to the instructions in section 4 Login to AhsayOBM.

Start a Manual Backup

1. Click **Backup** on the main interface of AhsayOBM.



2. Select the backup set which you would like to start a backup for.

Please Selec	t The Backup Set To Backup	
Backup Owner: Newly cr	o Set Name os7x-4-44-localdomain eated on 21-June-2016, Tuesday, 14:05	
	Close Help	

3. The Choose Your Backup Options screen will appear. If you would like to modify the In-File Delta type, Destinations and Retention Policy settings, click **Show advanced option**.

Choose Your Backup	Options
File Backup	
Backup set type File In-File Delta type Full Differential Incremental Destinations Image: CBS (Host: 10.23.6.67:443) Retention Policy Retention Policy Image: Run Retention Policy after backup Hide advanced option	
	Previous Backup Cancel Help

4. Click **Backup** to start the backup.

Configure Backup Schedule for Automated Backup

1. Click **Backup Sets** on the AhsayOBM main interface.



- 2. Select the backup set that you would like to create a backup schedule for.
- 3. Click **Backup Schedule**. Then, create a new backup schedule by clicking **Add**.
- 4. Configure the backup schedule settings. Then, click **OK** to proceed.

AhsayOBM	_ = ×
Backup Set Name Schodulo	
New Backup Schedule	
Name	
Daily-1	
Type	
Daily	
Start backup at	
Stop	
until full backup completed 🖌	
Run Retention Policy after backup	
	OK Cancel Help

5. Click **Save** to confirm your settings.

9 Restoring Data

Login to AhsayOBM

Login to the AhsayOBM application according to the instructions in section 4 Login to AhsayOBM.

Restore Data

6. Click Restore on the AhsayOBM main interface.



7. After logging in to your backup account successfully, you should see a screen showing all the available backup sets for restore. Double click on the one you would like to restore.

Please Select The Backup Set To Restore
File Backup Owner: STEVEN-TSE Newly created on Wednesday, 2 November 2016 15:07
Close Help

8. Click on the location from which you would like to restore the data from.



9. Select to restore files from a specific backup job, or from all files available, then select the files or folders that you would like to restore.

There are two options from the Select what to restore drop-down menu:

Choose from files as of job – this option allows you to select a backup version from a specific date and time to restore.



Choose from ALL files – this option allows you to restore all the available backup versions for this backup set. Among all the available backup versions, you can even select only some of the backup versions of a file to restore.

Select You	ır Files To	o Be R	estor	ed	
Choose from ALL files 🛛 🗸					
Show filter					
Folders • GES • CLUREL\Departments • CLUR	Name File snapshot testing.txt File snapshot testing.txt File snapshot testing.txt File snapshot testing.txt File snapshot testing.txt	Siz 49 by 34 by 22 by 10 by	e Date mo tes 03/11/201 tes 02/11/201 tes 02/11/201 tes 02/11/201	dified 6 11:10 6 18:51 6 18:50 6 18:47	
Search		tems per page 50	♥ Page	1/1 🖌	
		C	Previous	Next Cancel	Help

Below is an example showing all the available backup versions of the file **File snapshot testing.txt**. The latest version is shown in solid black color and all the previous versions are shown in grey color. You can identify the file version from the **Date modified** column.

Name	Size	Date modified
🗹 🗋 File snapshot testing.txt	49 bytes	03/11/2016 11:10
🗹 📄 File snapshot testing.txt	34 bytes	02/11/2016 18:51
File snapshot testing.txt	22 bytes	02/11/2016 18:50
File snapshot testing.txt	10 bytes	02/11/2016 18:47

When the restore is done, you will see all the selected backup versions in the restore destination. The latest backup version has the file name as the original file, while the previous versions have the time stamps added to their file names for easy identification.

	LAUREL\Departments\Customer Services\Common\KMT\Steven\Others\File snapshot testing.txt
	LAUREL\Departments\Customer Services\Common\KMT\Steven\Others\File snapshot testing_2016-11-02-18-49-37.txt
	LAUREL\Departments\Customer Services\Common\KMT\Steven\Others\File snapshot testing_2016-11-02-18-50-43.txt
	LAUREL\Departments\Customer Services\Common\KMT\Steven\Others\File snapshot testing_2016-11-02-18-51-43.txt
<	III III III III III III III III III II
	Linux OBR restore 🗸 12 items, Free space: 4.9 GB

10. Click Next to proceed when you are done with the selections.

- 11.Select to restore the files to their **Original location**, or to an **Alternate location**, then click **Next** to proceed.
 - Original location the backed up data will be restored to the computer running the AhsayOBR under the same directory path as on the machine storing the backup source. For example, if the backup source files are stored under root/Downloads folder, the data will be restored to root/Downloads as well on the computer running the AhsayOBR.

Choose Where The	e Files To Be Restored
Restore files to Original location Alternate location 	Browse
Show advanced option	

 Alternate location – you can choose to restore the data to a location of your choice on the computer where AhsayOBR is running.

0			AhsayOBM			_ 🗆 X
Cho s	OSE Wh	Clook in:	Change Path oot Public Public Temp S Templates Videos /root All Files	Image: Concel	e e	
				Previous Nex	ct Cancel	Help

12.Click Show advanced option to configure other restore settings:

Choose Where The Files To Be
Restore files to Original location Alternate location Show advanced option
 Restore file permissions Delete extra files Follow Link Resolve Link
Hide advanced option

Restore file permissions

By enabling this option, file permissions of the operating system files will be restored. File permission defines, for example, the right to view or change a file by the system owner/group/individual. If file permission is not restored properly, there is a potential risk that the restored data could be viewed by group/individual who is not supposed to have the access to.

Oelete extra files

By enabling this option, the restore process will attempt to synchronize the selected restore source with the restore destination, making sure the data in the restore destination is exactly the same as the restore source. Any data created after backup will be treated as "extra files" and will be deleted from the restore source if this feature is enabled.

Example:

i) Two files are created under the **Document folder 01**, namely doc 1 & doc 2.

Document folder 01 _ 🗆 ×
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>P</u> laces <u>H</u> elp
<pre>doc 1.odt Files created initially doc 2.odt</pre>
Document folder 🗸 2 items, Free space: 4.9 GB

ii) A backup is performed for folder **Document folder 01**.
iii) Two new files are created, namely doc 3 & doc 4.



- iv) A restore is performed for the **Document folder 01**, with **Delete extra files** option enabled.
- v) Since doc 3 & doc 4 have never been backed up, therefore they will be deleted from **Document folder 01**, leaving only the two files that have been backed up.

Document folder 01	×
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>P</u> laces <u>H</u> elp	
doc 1.odt doc 2.odt	
Document folder 🗸 2 items, Free space: 4.9 GB	

WARNING

Please exercise extra caution when enabling this feature. Consider what data in the restore source has not been backed up and what impact it would cause if those data is deleted.

Prior to the data restore and synchronization, a warning message shows as the one shown below. Only clicking **Yes** will the "extra file" be deleted. You can click **Apply to all** to confirm deleting all the "extra files" at a time.



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• Follow Link (Enabled by default)

When this option is enabled, not only the symbolic link will be restored, the directories and files that the symbolic link links to will also be restored.

The table below summarizes the behaviors when a restore is performed with different settings.

Follow Link	Restore to	Behavior	
Original locationSymbolic locationEnabledAlternate locationSymbolic Symbolic Symbolic Targe the orAlternate locationSymbolic Targe the alternate the alternate	Symbolic link is restored to the original backup location. Target directories or files are also restored to the original backup location.		
	Alternate location	Symbolic link is restored to the location specified. Target directories or files are also restored to the alternate location specified.	
Disabled	Original location	Symbolic link is restored to the original backup location. Target directories or files are NOT restored to the original backup location.	
Disabled	Alternate location	Symbolic link is restored to the location specified. Target directories or files are NOT restored to the alternate location specified.	

Resolve Link (Only for restoring to Alternate Location)

This option must be used in conjunction with the **Follow Link** option. When this option is enabled, the symbolic link, as well as the directories and files that the symbolic link links to will also be restored in the alternate location you have chosen. That means the symbolic link will point to the alternate location instead of the original location.

The table below summarizes the behaviors when a restore is performed with this option turned on and off.

Resolve Link	Behavior	
Enabled	Symbolic link is restored to the alternate location specified, with its target directories and files also restored to the same location in their relative path.	
	Target of the link is updated to the new relative path. In other word, the link now points to the new alternate location.	
Disabled	Symbolic link is restored to the alternate location specified, with its target directories and files also restored to the same location in their relative path.	
	However, target of the link is NOT updated to the new	

relative path. In other word, the link still points to the original
location.

13.Click Next to proceed with you are done with the settings.

14.Select the temporary directory for storing temporary files, such as delta files when they are being merged.

By default, the temporary files are stored under the temp directory of the user profile directory. However, there is a chance that the same directory path does not exist in the computer you are running the AhsayOBR. In that case, you will have to click **Browse** to define a new location for storing the temporary files, otherwise you will not be able to perform a restore.

	Temporary	Directory	
Tempora	y directory for storing restore files		
C:\Users	\steven.tse\temp		Browse
		Previous	Restore Cancel Help

15. Click **Restore** to start the restore.

16. You will see a screen like the one shown below with the restore progress bar.



- 17. The progress bar shows **Restore Completed Successfully** when the restore is done. Click **Close** to exit the confirmation screen.
- 18. To exit AhayOBR, click Cancel and then Yes, it will then be closed completely. If you wish to use the AhsayOBR again, you will then have to install it again according to the instructors in <u>Installing AhsayOBR</u>.

10 Contacting Ahsay

Technical Assistance

To contact Ahsay support representatives for technical assistance, visit the following website: <u>https://www.ahsay.com/jsp/en/contact/kbQuestion.jsp</u>

Also use the Ahsay Knowledge Base for resource such as Hardware Compatibility List, Software Compatibility List, and other product information: https://forum.ahsay.com

Documentation

Documentations for all Ahsay products are available at: <u>https://www.ahsay.com/jsp/en/home/index.jsp?pageContentKey=ahsay_downloads_documentation_guides</u>

You can send us suggestions for improvements or report on issues in the documentation, by contacting us at: https://www.ahsay.com/jsp/en/contact/kbQuestion.jsp

Please specify the specific document title as well as the change required/suggestion when contacting us.

Appendix

Uninstall AhsayOBM (rpm)

1. Under the **System** menu bar on the top of the screen, select the **Administration > Add/Remove Software** option.



2. When the following warning message appears, click **Continue Anyway** to proceed.

07	×
	Package installer is running as a privileged user
	Package management applications are security sensitive. Running graphical applications as a privileged user should be avoided for security reasons.
	Continue Anyway

3. The Add/Remove Software screen will appear.



4. At the top left corner, type "Ahsay" as the keyword and click **Find** to search for Ahsay Online Backup Manager.



5. In the search result, highlight Ahsay Online Backup Manager.

Add/Remove Software				_ 0	×
Ahsay Online Backup Manager obm-7.7.2.0-0 (noarch)					
Ahsay Online Backup Manager	Project:	Homepage			-
	Group:	Other			
	License:	GPLv2+			
	Installed size	e: 16.8 KB			
		<u>C</u> ancel	<u>C</u> lear	<u>A</u> pply	

6. The **Selection** menu bar will become available on the top of the screen. Select the **Remove** option.

5			Add/Remove Software
<u>S</u> ystem	<u>F</u> ilters	S <u>e</u> lection <u>H</u> elp	
		Install	
📄 Ahs	ау	Remove	Ahsay Online Backup Manager
	All packa	Project homepage	
	Package	Run program	
ି ତ୍ର	Newest	Get file list	
40	Coloctod	Depends on	
88	Selected	Required by	
▷ 💾	Applicati	ons	а

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7. Click **Apply** at the right bottom corner to start the uninstallation.

Add/Remove Software			×
Ahsay Online Backup Manager obm-7.7.2.0-0 (noarch)			
Ahsay Online Backup Manager	Project:	Homepage	
	Group:	Other	
	License:	GPLv2+	
	Installed size	: 16.8 KB	
		<u>Cancel</u>	<u>A</u> pply

8. When the following message appears, click **Remove** to remove the obm package.

0	×
\bigcirc	1 additional package also has to be removed
Ų	To remove obm other packages that depend on it must also be removed.
	hsay Online Backup Manager bm-7.7.2.0-0 (noarch)
	<u>Cancel</u> Remove

9. Upon successful uninstallation of AhsayOBM, Ahsay Online Backup Manager will disappear from the search result. Close the **Add/Remove Software window** and the AhsayOBM icon will disappear from the desktop too.

System Filters Help Missay Find No results were found. Try again with a different search term.	_ = ×	Add/Remove Software	7
Image: Second			<u>System</u> <u>Filters</u> <u>H</u> elp
 An packages Package collections Newest packages Selected packages Applications Base System Databases Databases Development High Availability Languages Load Balancer Resilient Storage Scalable Filesystem Support 	L.	Find No results were found. Try again with a different search term. ses ges / / tem Support	Image: All packages Package collections Newest packages Selected packages Applications Databases Databases Databases Languages Languages Lad Balancer Resilient Storage Scalable Filesystem S
Help Cancel Clear Apply	Cancel Clear Apply		Help



Uninstall AhsayOBM (sh)

1. Login to the Linux machine using the root account.

	cos6x-2-35
Oth	er
Username:	root
	Cancel Log In

2. Double-click the **Terminal** icon to launch the application.



3. Go to the /usr/local/obm/bin directory.

```
# cd /usr/local/obm/bin
```

4. Uninstall AhsayOBM with the sh command:

sh uninstall.sh

5. The uninstallation is completed when "Ahsay Online Backup Manager uninstall procedure is complete!" shows at the end of the script.

```
# sh uninstall.sh
Log Time: Thu Nov 17 13:37:09 HKT 2016
Verifying current user privilege ...
Current user has enough privilege to "uninstall".
Uninstall Ahsay Online Backup Manager from /usr/local/obm
Shutting down Scheduler
Wait 5 seconds before Scheduler exits
Kill running Ahsay Online Backup Manager
Kill Process by Image Name: /usr/local/obm/jvm/bin/bJW
Ignore Process by Image Name:
```

```
Kill Process by Image Name: /usr/local/obm/jvm/bin/bschJW
Ignore Process by Image Name:
Kill Process by Image Name: /usr/local/obm/jvm/bin/java
Ignore Process by Image Name:
Removing Scheduler script obmscheduler from service
Uninstall Service for NIX type OS
Using init script path /etc/init.d
Using run level script path /etc/rc.d
Removing symbolic link from run levels
Removing script file obmscheduler from /etc/init.d
Remove shortcut /usr/share/applications/obm.desktop
Remove shortcut /root/Desktop/obm.desktop
Ahsay Online Backup Manager uninstall procedure is complete!
It is now safe to remove files from /usr/local/obm
```

6. Upon successful uninstallation, the AhsayOBM icon will disappear from the desktop.

Uninstall AhsayOBM (deb)

1. Login as admin on Ubuntu GUI. (Alternatively, you can remotely invoke the GUI of another Ubuntu machine using SSH client.)

buntu1	1604										1	En En	∢))	5:21 P	м	ψ
		admi	n													
		Pass	word		7]								
		ahsa	(10) ,	1992		Bit	(ð)									
		ftous	ег													
		Gues	- Ses	sion												
U	bu	ncu-	16.	04 LI	5											

2. Click on **Ubuntu Software**.



3. Click on **Remove** to remove the obm package.



4. When the following message appears, click **Remove** to proceed.



5. Enter the admin account credentials to authenticate.

8 🔿 A	uthenticate									
Ø	To install or remove software, you need to authenticate.									
<u>I</u>	An application is attempting to perform an action that requires privileges. Authentication as one of the users below is required to perform this action.									
	👤 admin (administrator)									
	Password:	••••••								
• Details										
		Cancel Authenticate								

6. Upon successful uninstallation, the AhsayOBM icon will disappear from the Applications.

Handling of Non-regular Files

The following non-regular files/folders such as device files, block files, virtual files systems, pseudo file systems etc will be automatically ignored if selected for backup. Backup log entries of these files/folders will not appear in the backup logs.

Example: /proc /dev /sys /run

For AhsayOBM installations on Linux GUI, these devices will not be shown on the backup source screen.