



Actiphy StorageServer (ASS) Implementation Guide for Linux OS

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1. **About this document**

This document provides the description about Actiphy StorageServer (ASS) installation / uninstallation operating procedures for Linux OS.

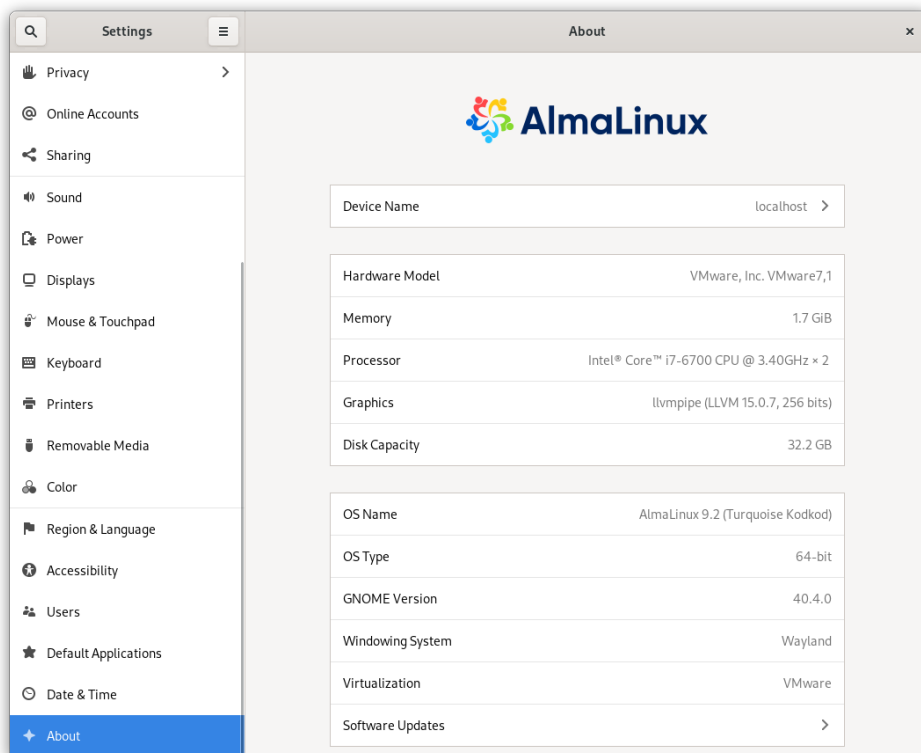
ASS enables to use Windows/Linux server as high-speed and secure backup destination storage dedicated to ActiveImage Protector 2022.

In this document, the settings are configured with Linux OS (root privileges for AlmaLinux 9).

This document also provides description about minimum required command lines which we hope you will find useful.

2. Installation of Actiphys StorageServer (ASS)

1. Please connect to the internet in the environment where AlmaLinux 9 is installed.



2. Please log in as root user.
3. Please load ISO file for installation of AIP.
4. Run cd command and move work directory to the directory in which the script in ISO file (or in install media) is located.

AIP2022UP2.iso (for Windows) : under [Setup] - [ASS_docker] directory

```
[root@localhost ~]# cd /run/media/root/AIPBE/Setup/ASS_docker
```

AIP2022UP2Linux_b8661_20230919.iso (for Linux) : under ISO

```
[root@localhost ~]# cd /run/media/root/AIPBE
```

5. Depending on the product's ISO file (or install media), please run the following command and run the script.

AIP2022UP2.iso (for Windows) : `“./aas_ass_install-packages.sh”`

```
[root@localhost ASS_docker]# ./aas_ass_install-packages.sh
```

AIP2022UP2Linux_b8661_20230919.iso (for Linux) : `「./AIP-packages-tool.sh」`

```
[root@localhost AIPBE]# ./AIP-packages-tool.sh
```

6. The following menu is displayed. Depending on the product's ISO file (or install media), please install the product. System restart is not required.

AIP2022UP2.iso (for Windows) : Select the menu item [3].

*When the script fails to run, please copy the script to AlmaLinux environment and assign access right from Property to run the program.

```
*****
**      AAS and ASS installation tool      **
*****

** 2023-09-12 10:14:03 -Ver 0.2.99 START
Rocky 9
System checking....
Free space in /opt/ is 12283MB.
OK, enough space in /opt/ for rescueboot LinuxBE.
Memory:4GB
OK, enough space in memory for set rescueboot LinuxBE.
This system is disabled SecureBoot.

[1] Install AAS
[2] Uninstall AAS
[3] Install StorageServer
[4] Uninstall StorageServer
[5] exit

Please select install menu from [1-5]:3
```

AIP2022UP2Linux_b8661_20230919.iso (for Linux) : Select the menu item [10].

```
*****
**      ActiveImage Protector 2022 Linux installation tool      **
*****

** 2023-09-12 10:18:01 -Ver 0.2.99 START
Rocky 9
System checking....
Free space in /opt/ is 12283MB.
OK, enough space in /opt/ for rescueboot LinuxBE.
Memory:4GB
OK, enough space in memory for set rescueboot LinuxBE.
This system is disabled SecureBoot.

[1] Agent
[2] GUI
[3] [1]-[2]All
[4] Install Kernel-devel
[5] Install datto driver
[6] Install AIPLinux
[7] Uninstall datto driver
[8] Install AAS
[9] Uninstall AAS
[10] Install StorageServer
[11] Uninstall StorageServer
[12] help
[13] exit

Please select install menu from [1-13]:10
```

When the installation completed, you will get “Do you want to continue?” message. Please enter [y].

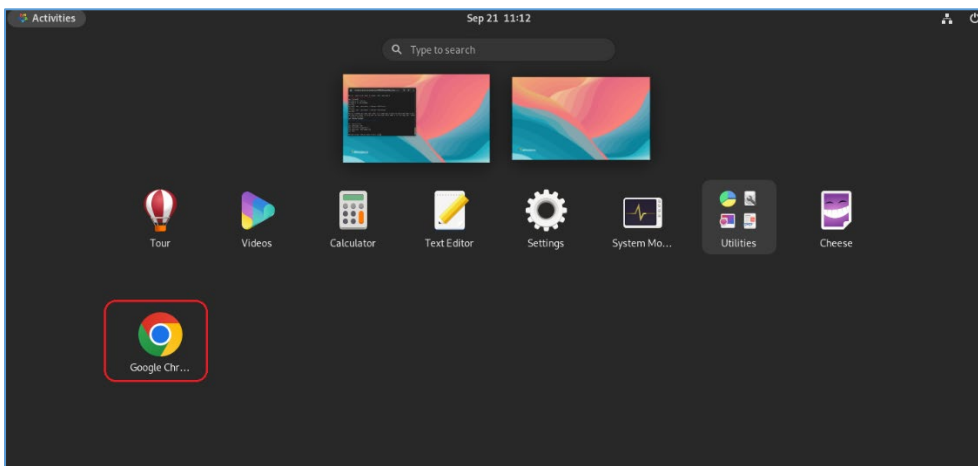
```
[ StorageServer install ]  
  
Already installed Authentication Service container.  
Do you want to continue? [Y/n] y
```

When you get “Input to save directory of image” message, please specify the location of the folder saving the backup images of ActiImage Protector.

After specifying the folder, you will be prompted to answer the question “do you want to continue?”. Please enter [y].

```
Input to save directory of image. [e.g.: /data ] :/home/ass  
The free space is 31G, do you want to continue? [Y/n] y
```

7. Upon completion of the installation, Google Chrome is added to the application list.



8. When ActiPHY Authentication Service (AAS) is already installed and ActiPHY StorageServer (ASS) is installed from ISO for Windows, you will need to configure the following settings.

Run command “vi /opt/storage/ass-logs/aip.ini”.

```
[root@localhost ~]# vi /opt/storage/ass-logs/aip.ini
```

*Re: vi

This is a text editor that comes standard with UNIX-based OS.

This editor is used to edit the contents in “aip.ini” that includes the configuration information of ASS.

*The commands when using vi

- [i] : Text Insert mode (move the cursor to the position to change / add the text.)
- [Esc] key : End Text Insert mode
- [:wq] : Save and Exit (if not save, enter [:q] to exit)

Move the cursor to "WebAccessPort=443".

```
[Web]
WebAccessPort=443
AuthenticationMode=2
AuthUsername=root
AuthPassword=73CC
EnableHSTS=0
```

Press "I" key and switch to Insert mode. Enter "8443" instead of "443".

```
[Web]
WebAccessPort=8443
AuthenticationMode=2
AuthUsername=root
AuthPassword=73CC
-- 挿入 --
EnableHSTS=0
```

Press Esc key to end Insert mode and enter ":wq" to save the changes.

```
[Web]
WebAccessPort=8443
AuthenticationMode=2
AuthUsername=root
AuthPassword=73CC03F4F7EF2D6BA8837753F76A25B837563A441
06B6565702066350000
EnableHSTS=0
:wq
```

Please restart ASS and AAS and apply the changes.

Run "# docker ps" command and check ID for the respective containers.

```
[root@localhost ~]# docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS
PORTS
NAMES
3e49752c5353   localhost/aas:2.0.3.378             app:start                35 minutes ago Up 35 minute
s  0.0.0.0:55238-55239->55238-55239/udp, 0.0.0.0:443->443/tcp, 0.0.0.0:55236-55
237->55236-55237/tcp actiphy_aas
a3ff56595570   localhost/ass:1.0.0.510             app:start                31 minutes ago Up 31 minute
s  0.0.0.0:8443->8443/tcp, 0.0.0.0:58337->58337/tcp, 0.0.0.0:58240->58240/udp
actiphy_ass
```

Run the command "# docker stop <container ID>" to stop the respective containers.

```
[root@localhost ~]# docker stop 3e49752c5353
3e49752c5353
[root@localhost ~]# docker stop a3ff56595570
a3ff56595570
```

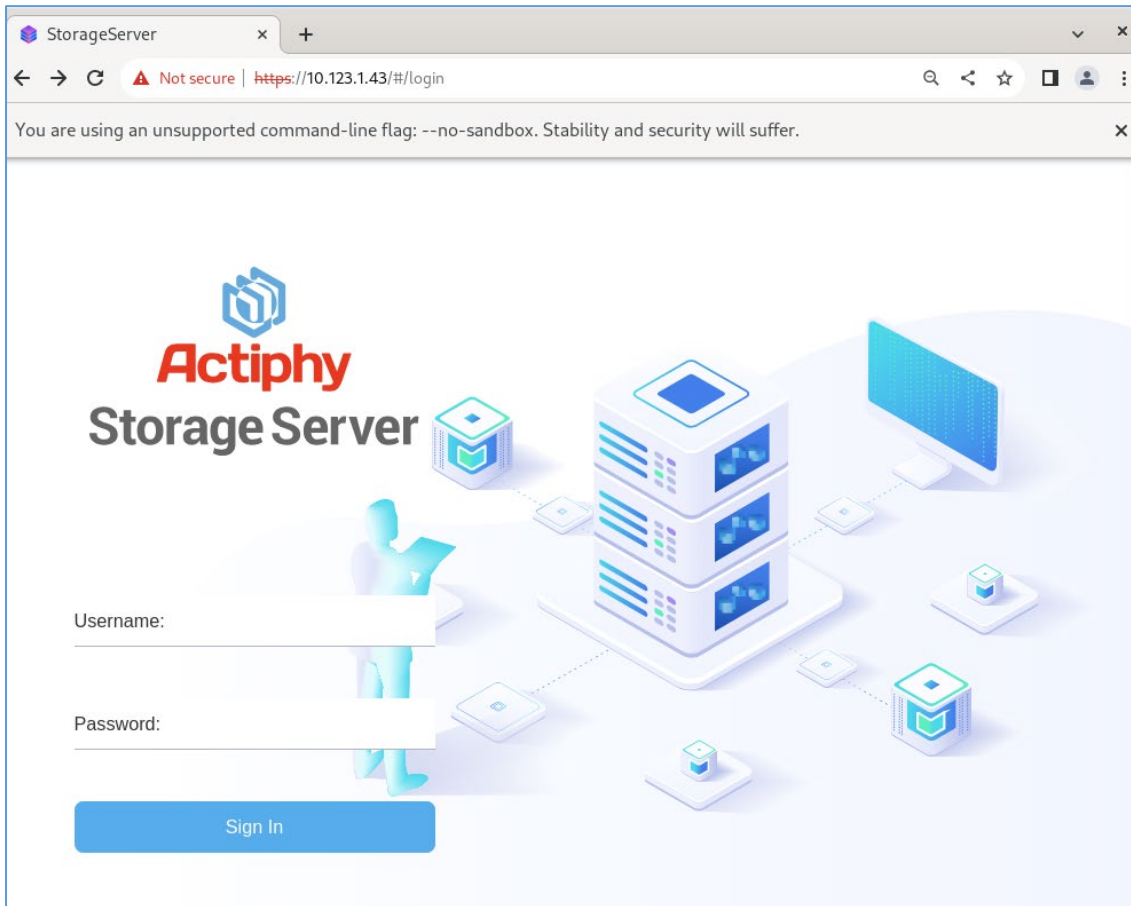
The container is stopped and automatically restarted.

3. Access Actiphy StorageServer (ASS)

1. Launch Google Chrome, enter IP address for the machine on which ASS is installed and access ASS console.

Ex : <https://192.168.xxx.xxx>

*When WebAccessPort is changed to “8443”, please enter “:8443” at the end of IP address and access ASS console.



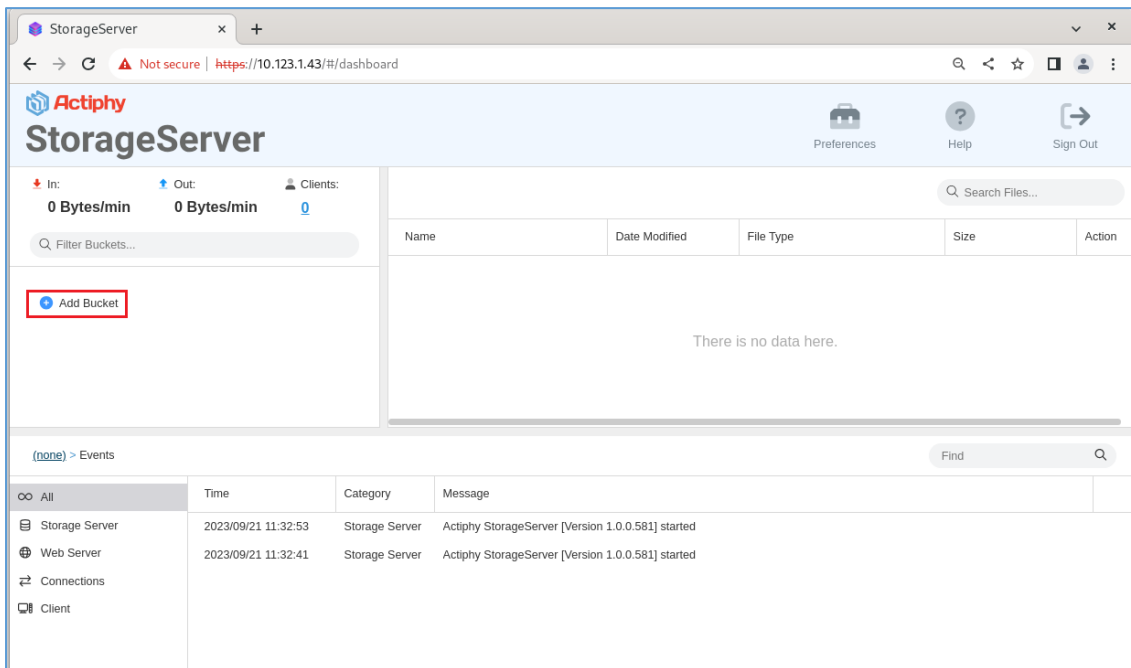
By default, you can log in as “Username : root” and “Password : root”.

A close-up view of the login form. The 'Username:' field contains the text 'root'. The 'Password:' field is masked with four black dots. A blue 'Sign In' button is positioned at the bottom of the form.

4. Add a bucket

1. When you want to add a bucket, log in and click [Add Bucket].

The new bucket is created under the folder selected as the ActiImage Protector backup destination storage that was specified in the script.





2. Enter the bucket name, specify the path for the bucket and click [OK].


The screenshot shows the 'Add Bucket' dialog box. It contains the following fields and controls:

- Bucket Name:** A text input field containing 'Backup Server Room', highlighted with a red box.
- Bucket Path:** A text input field containing '/app/data\Backup Server Room', followed by a blue button with three dots '...', also highlighted with a red box.
- Enable Disk Quota:** A checkbox followed by a text input field with '0' and 'GB'.
- Default Client Quota:** A checkbox followed by a text input field with '0' and 'GB'.
- Buttons:** 'Cancel' and 'OK' buttons at the bottom right, with 'OK' highlighted by a red box.

When the bucket is added, Dashboard provides you the detailed information.

 In:


 Out:


 Clients:


0 Bytes/min

0 Bytes/min

0

 Backup Server Room



 Add Bucket


Configure Bucket

Bucket Name:

Backup Server Room

Bucket Path:

/app/data



Bucket Capacity:

0GB/ -

Disk Capacity:

5GB/26GB

☐ Enable Disk Quota:

21

GB

☐ Default Client Quota:

0

GB

Clients

Client Name	Quota
There is no data here.	

Cancel

OK

5. Uninstall Actiphy StorageServer (ASS)

1. Run cd command and move the work directory to the directory in which the script in ISO file (or install media) is located.

AIP2022UP2.iso (for Windows) :

Under [Setup] - [ASS_docker] directory

```
[root@localhost ~]# cd /run/media/root/AIPBE/Setup/ASS_docker
```

AIP2022UP2Linux_b8661_20230919.iso (for Linux) :

under ISO

```
[root@localhost ~]# cd /run/media/root/AIPBE
```

2. Depending on the product ISO (or install media) you use, please run the following command and script.

AIP2022UP2.iso (for Windows) :

“./aas_ass_install-packages.sh”

```
[root@localhost ASS_docker]# ./aas_ass_install-packages.sh
```

AIP2022UP2Linux_b8661_20230919.iso (for Linux) :

“./AIP-packages-tool.sh”

```
[root@localhost AIPBE]# ./AIP-packages-tool.sh
```

3. The following menu is displayed. Depending on the product ISO (or install media) you use, please install the product. System restart is not required.

AIP2022UP2.iso (for Windows) : Select menu [4].

*When the script fails to run, copy the script to AlmaLinux environment and assign the access right from Property to execute as a program.

```
[1] Install AAS
[2] Uninstall AAS
[3] Install StorageServer
[4] Uninstall StorageServer
[5] exit

Please select install menu from [1-5]:4
```

AIP2022UP2Linux_b8661_20230919.iso (for Linux) : Select menu [11].

```
[1] Agent
[2] GUI
[3] [1]-[2]All
[4] Install Kernel-devel
[5] Install datto driver
[6] Install AIPLinux
[7] Uninstall datto driver
[8] Install AAS
[9] Uninstall AAS
[10] Install StorageServer
[11] Uninstall StorageServer
[12] help
[13] exit

Please select install menu from [1-13]:11
```

After execution, you will get "Do you want to remove StorageServer data?" message.

To delete the data in storage server, click [y], or [n] to retain the data.

```
Do you want to remove StorageServer data? [Y/n] y
```

4. When you get "StorageServer remove successful" message, uninstallation completed.

```
StorageServer remove successful.
```