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JetStreamVS

Quick Start Guide

Avatar Installation

Contents

Client Installed Avatar

What you will need

- USB Flash Drive (2Gb Minimum)

- Link to a disk image with ISO (for example, FTP)

- A program for creating a bootable USB flash drive (for example, Rufus)

- A client program for connecting to SSH (for example, PuTTY)

- Monitor, Keyboard, Internet connection for Avatar Device

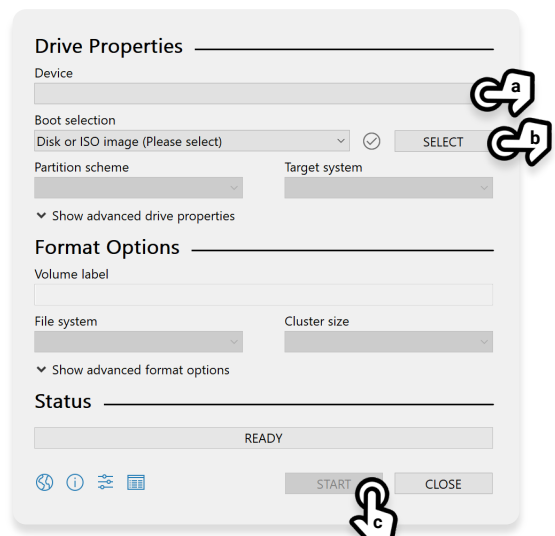## Installing an Avatar

1. ISO Download
Download the latest 3.10 codebase ISO disk image from the link (CentOS7 + Avatar):
https://ftp.videonext.net/private/AVATAR-RELEASES/isos/

2. Create Bootable Flash Drive
Using the program "Rufus" - create a bootable USB flash drive with the downloaded ISO

a. Select USB Device
b. Select ISO file from file explorer
c. Once READY, press START to begin transfer to USB Flash Drive

Drive Properties
Device

Boot selection
Disk or ISO image (Please select)   SELECT

Partition scheme   Target system

Show advanced drive properties

Format Options
Volume label

File system   Cluster size

Show advanced format options

Status

READY

START   CLOSE

Client Installed Avatar

3. Booting the ISO onto the Avatar

a. Getting the device ready

Make sure the device is powered off before starting. While still powered off insert the flash drive with this ISO file. Power on the device and immediately enter the device's BIOS.

Note: Different devices have varying ways of getting into the BIOS. Consult manufacture instructions

a. Configure device BIOS

Once in the BIOS, set it so that the device can boot from a USB flash drive

c. Booting the ISO

Once booted the screen will display a CentOS 7 prompt. Using the arrows on the keyboard select **Install Avatar** and press ENTER to execute. The software will take a moment to install

When the Installation Summary screen appears, go through the steps marked with an alert icon ⚠ and press Begin Installation. The software will take a few minutes to install

Figure C Example

4
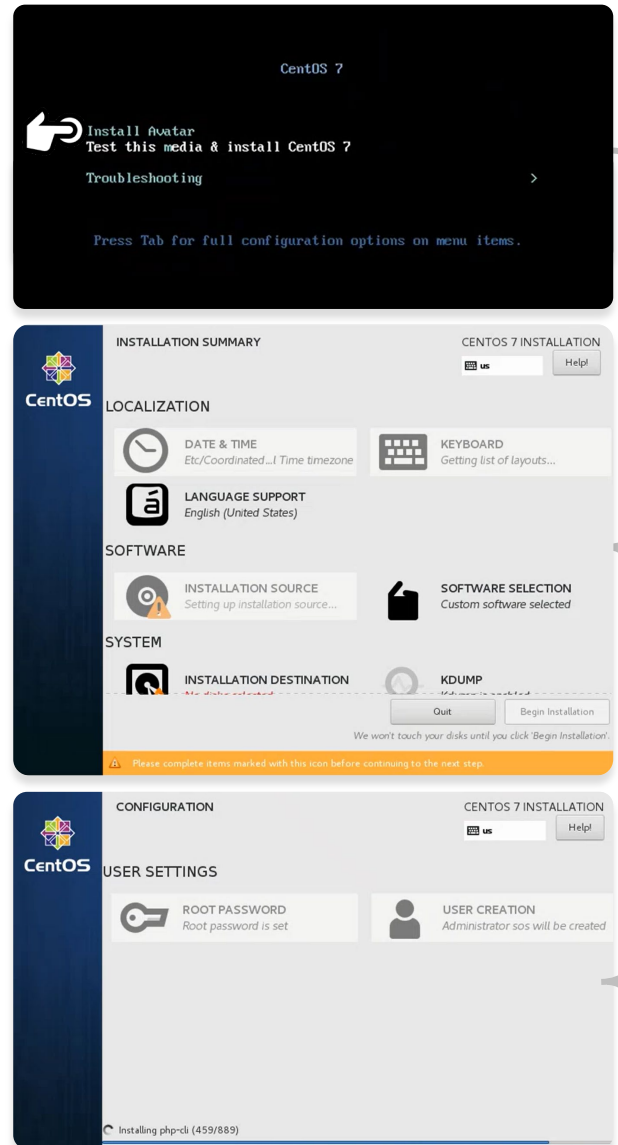
Client Installed Avatar

4. Configuring the Avatar

a. Login
Login as user **sos**
Default password: **s.o.s.**

The 'sos' user will be prompted to change the password to a new one. Change the password for 'sos' to a new password

Once the new line staring with [sos@avatar ~] appears

Figure A Example

```
Avatar login: sos
Password: PW WILL BE INVISIBLE
You are required to change your password
Changing password for sos.
(current) UNIX password: PW WILL BE INVISIBLE
New password: PW WILL BE INVISIBLE
[sos@avatar ~]$
```

b. Escalate permissions to the user 'sos'
Enter the command: **sudo -i**
Re-enter the newly set sos password

Figure B Example

```
[sos@avatar ~]$ sudo -i
[sudo] password for sos: PW WILL BE INVISIBLE
[root@AV-000 ~]#
```

c. Changing root password
Change to user: **[root@avatar ~]#**
Enter the command '**passwd**' to change the password to a new one for the user 'root'
Enter new password and retype it. The system should update successfully

Figure C Example

```
[root@avatar ~]# passwd
Changing password for user root.
New password: PW WILL BE INVISIBLE
Retype new password: PW WILL BE INVISIBLE
passwd: all authentication tokens updated
successfully
[root@avatar ~]#
```

d. Finding Avatar IP
Enter the command '**ifconfig**' to find the IP of the avatar

Scroll down to the **eth0** line and find the IP next to the **inet** line

IMPORTANT: Copy the IP address for reference

Figure D Example

```
[root@avatar ~]# ifconfig

eth0: flags=0000<UP,BROADCAST,RUNNING,MULTICAST>
      inet 000.000.00.00 netmask 000.000.000.0
      inet 6 0000::0000:0000:0000:0000 prefixlen
      ether 00:00:00:00:00:00 txquelen 0000…
```

Client Installed Avatar

5.   Activating the Avatar
Activate the avatar via the /etc/avatar-pre-conf file (Pre-configuration file for Avatar)

a. Opening and Editing Pre-Conf File:
Enter '**cd /etc/**' into the console, this will define the ETC directory
Then enter '**vi avatar-pre-conf**' into the console, this will open the Pre-Configuration file

To edit the file, press the [INSERT] key

In the avatar-pre-conf file, enter the following:
- dst=<VaaS-Address>

  Note: Enter "#" before the realm address to disable the realm's access to the Avatar
- ntp=<NTP-Server-Address>
- hostname=<Avatar-Hostname>

Exit editing mode by pressing the [ESC] key
Save and exit the file by entering the command '**:wq**'

Enter '**cd /root/**' to return to the root directory

b. Activation
In the console activate the Avatar. It may take a moment to establish a connection between the Avatar and realm

Once the GUID code appears under the last line of the console the Avatar activation has been finished

IMPORTANT: Copy the GUID for reference

Figure A Example

```
[root@avatar ~]# cd /etc/
[root@avatar etc]# vi avatar-pre-conf
```

```
# Pre-configuration file for Avatar
# Bellow are listed parameters…

#dst=test1.video.net
dst=test2.video.net

ntp=0.pool.ntp.org

hostname=AV-000
~
~
~
```

```
~
~
:wq
```

```
[root@avatar etc]# cd /root/
[root@avatar ~]#
```
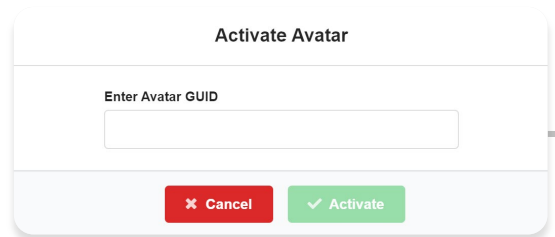
Figure B Example

```
[root@avatar ~]# activate
Using VSaaS: dst=test2.video.net
Generating SSH keys
Configuring logrotate
Set hostname=AV-000
Stop avatar engines if any running
Net.ipv4.ping_group_range = 0 0000000000
Our GUID: 00000000-0000-0000-0000-000000000000
```

Client Installed Avatar

Adding an Avatar to Devices

1. Go to the 🖥 Devices on the Navigation Panel

2. Click on **✛ Add Avatar** to register your Avatar within the system

3. Obtain your GUID that was generated previously in PuTTY (i.e. `cc0aaf19-9b3f-4976-8129-eb00820aba10`)

4. Enter GUID into the dialog box

5. Click **✔ Activate** to activate your Avatar. The Avatar has been added to the system

Activate Avatar

Enter Avatar GUID

✖ Cancel   **✔ Activate**