# Réinstallez le cloud privé AMP PC3000 et restaurez la sauvegarde

## Contenu

## Introduction

Ce document décrit comment réinstaller l'appliance de cloud privé AMP (Advanced Malware Protection) à l'état usine, puis restaurer la sauvegarde. Si vous voulez simplement rétablir l'état d'usine de l'appliance, ignorez l'étape 8 et suivez l'installation normale.

## Conditions préalables

### Conditions requises

Cisco vous recommande de prendre connaissance des rubriques suivantes :

- Cloud privé Cisco AMP PC3000
- Accès à la machine virtuelle basée sur le noyau (KVM) via Cisco Integrated Management Controller (CIMC)

### Components Used

Les informations contenues dans ce document sont basées sur les versions de matériel et de logiciel suivantes :

- Cloud privé Cisco AMP PC3000 3.1.1
- Navigateur Chrome pour accéder à la console KVM

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. Si votre réseau est en ligne, assurez-vous de bien comprendre l’incidence possible des commandes.

## Configuration

Étape 1. Connectez-vous à CIMC. Ouvrez la console KVM.

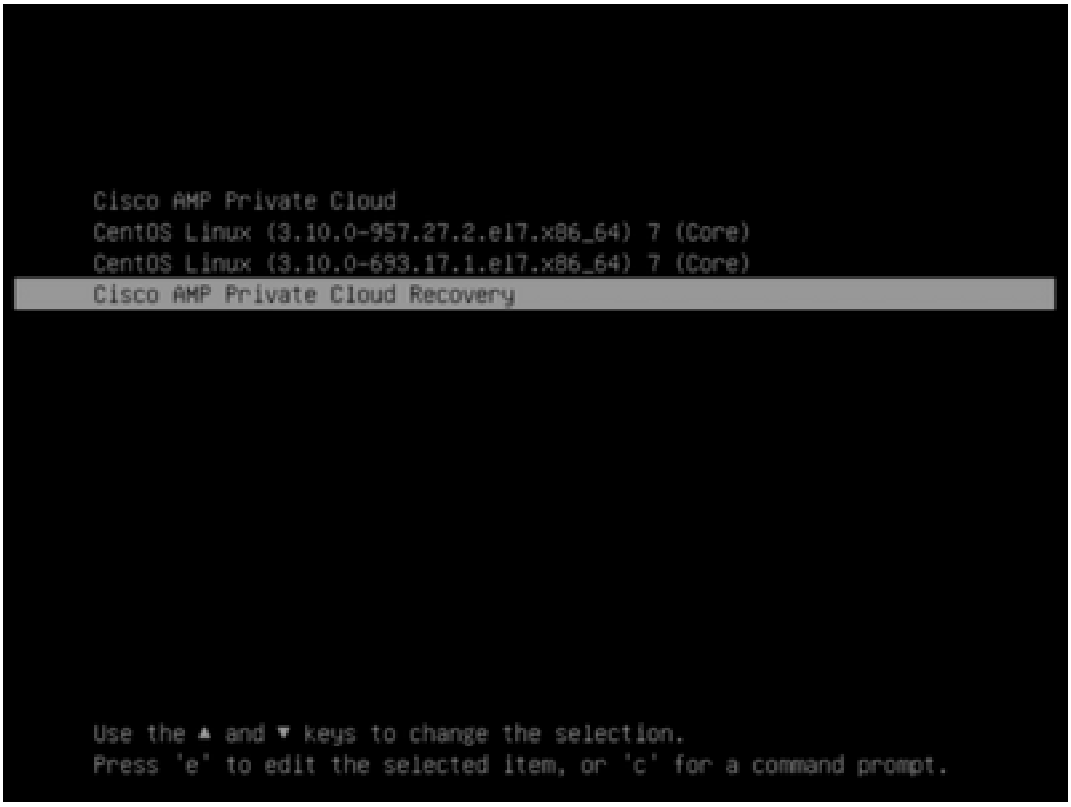
Assurez-vous que les fenêtres contextuelles sont activées pour cette page dans le navigateur.

Étape 2. Rechargez l'appareil.

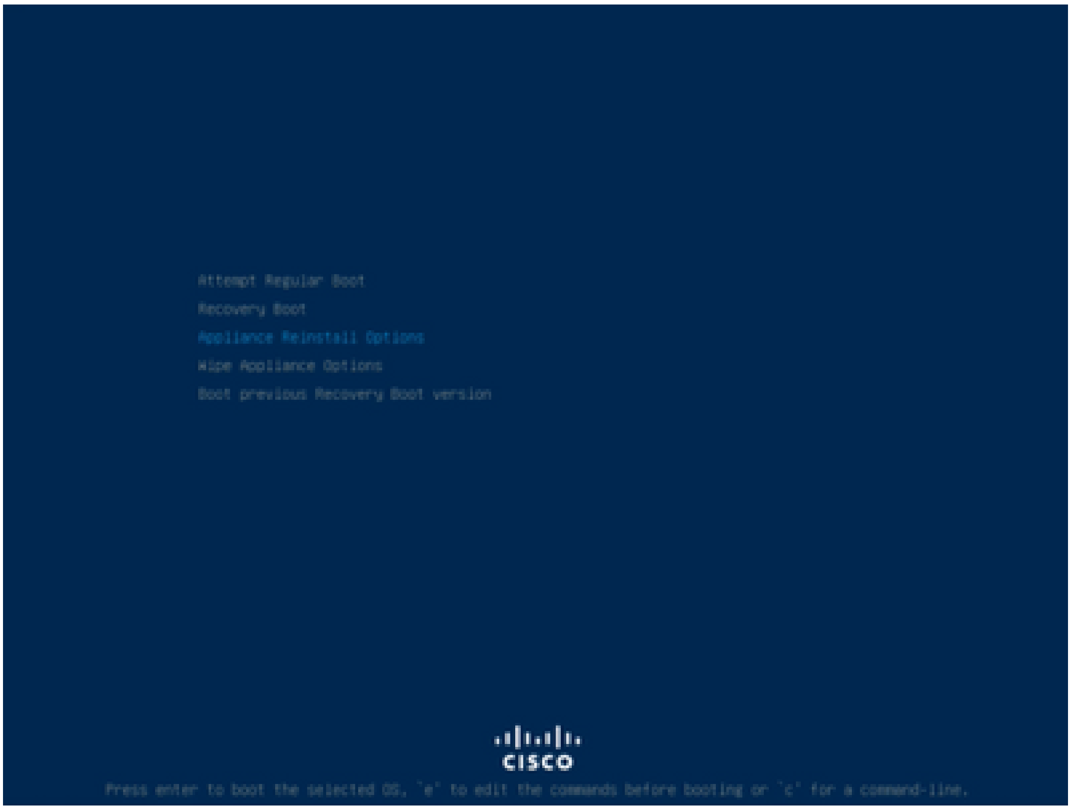
Vous pouvez redémarrer l'appliance via le portail d'administration, Secure Shell (SSH) ou CIMC KVM.

Étape 3. Une fois le test automatique de mise sous tension (POST) du BIOS (Basic Input Output System) terminé, le menu GNU GR et Unified Bootloader (GRUB) s'affiche :

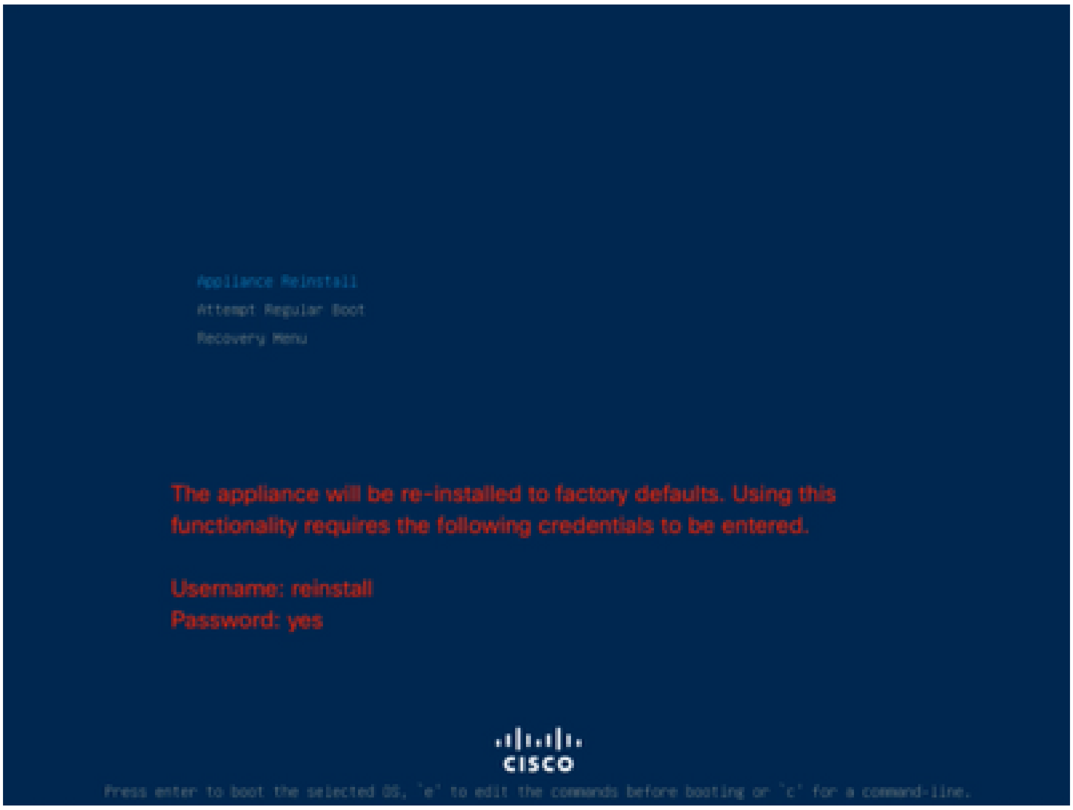
Sélectionnez **Cisco AMP Private Cloud Recovery > Appliance Reinstall Options > Appliance Reinstall**.



```
Cisco AMP Private Cloud
CentOS Linux (3.10.0-957.27.2.el7.x86_64) 7 (Core)
CentOS Linux (3.10.0-693.17.1.el7.x86_64) 7 (Core)
Cisco AMP Private Cloud Recovery

Use the ▲ and ▼ keys to change the selection.
Press 'e' to edit the selected item, or 'c' for a command prompt.
```


Attempt Regular Boot
Recovery Boot
Appliance Reinstall Options
Wipe Appliance Options
Boot previous Recovery Boot version

Press enter to boot the selected OS, `e' to edit the commands before booting or `c' for a command-line.



The appliance will be re-installed to factory defaults. Using this functionality requires the following credentials to be entered.

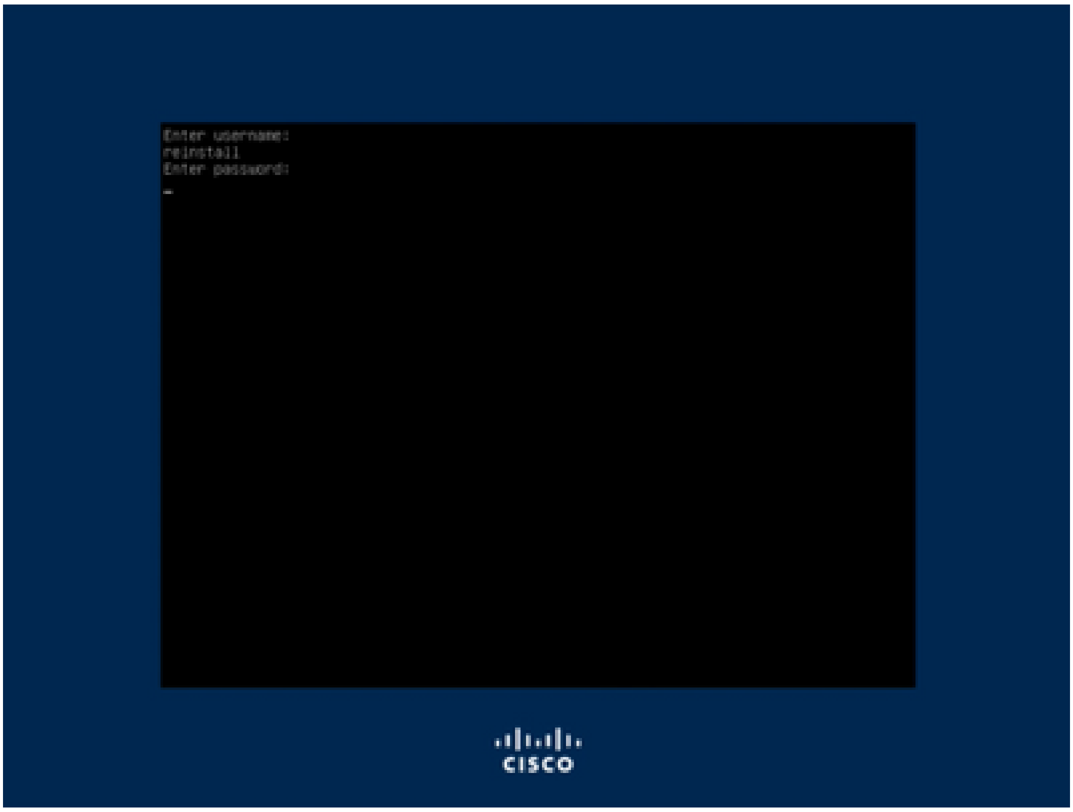
Username: reinstall
Password: yes

Press enter to boot the selected OS, `e' to edit the commands before booting or `c' for a command-line.

Étape 4. Saisissez le nom d'utilisateur et le mot de passe.

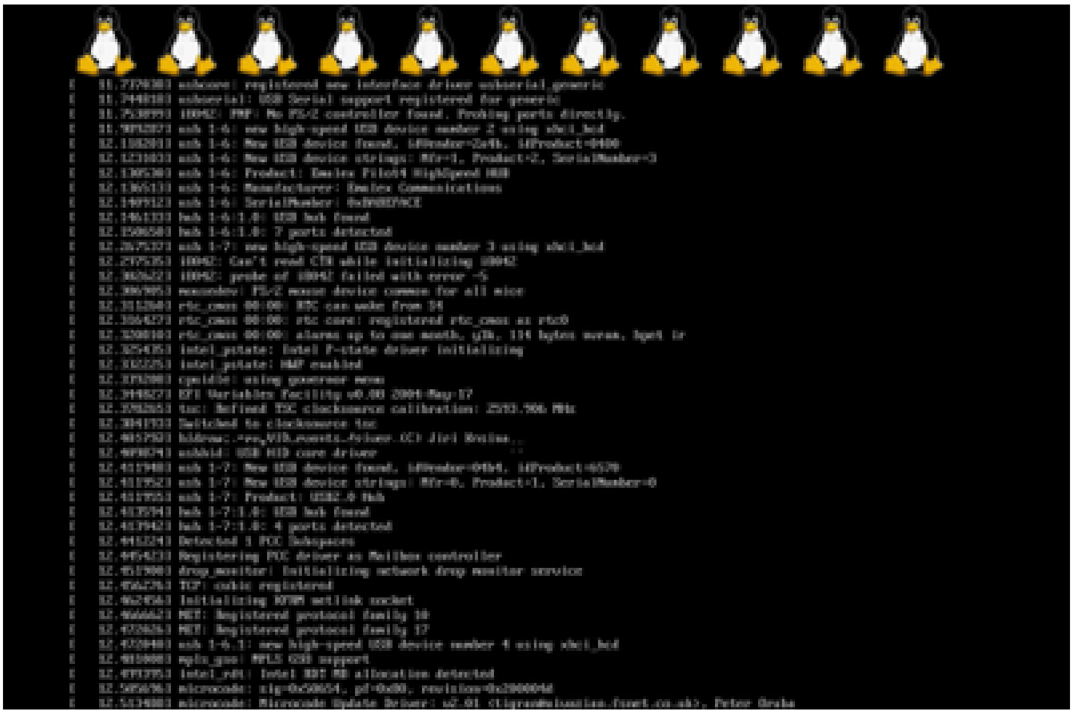
username (nom d’utilisateur) : **réinstaller**

Mot de passe : **oui**

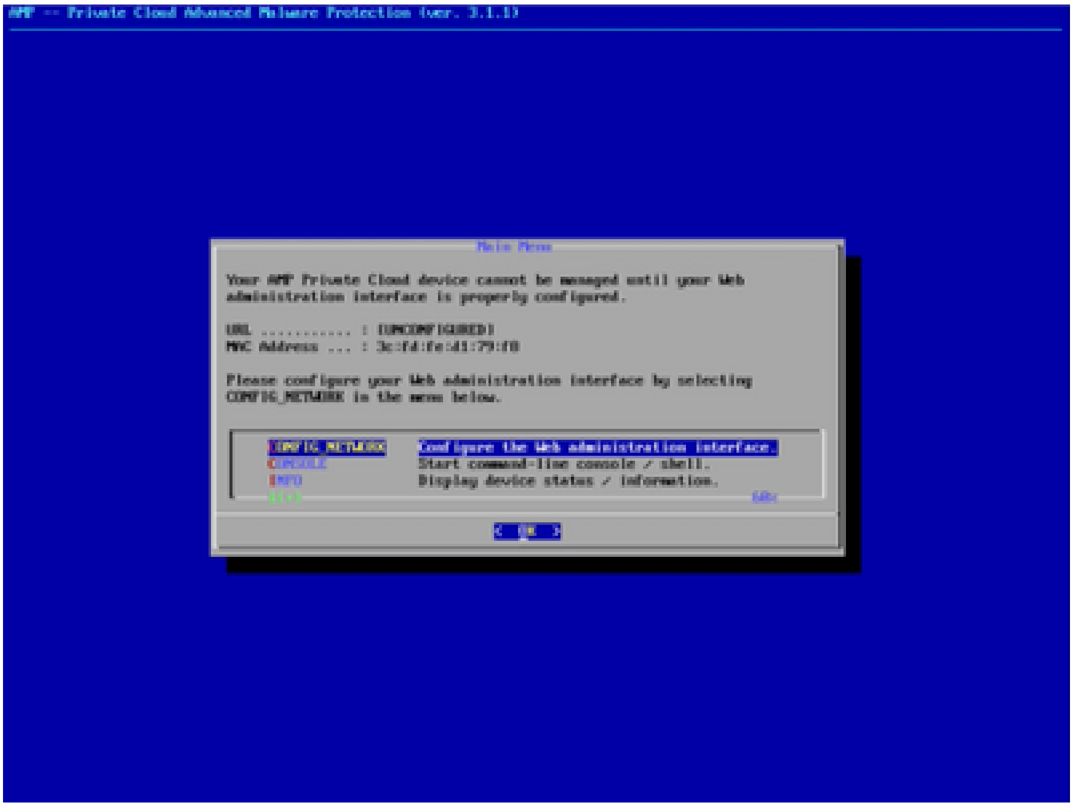


```
Enter username:
reinstall
Enter password:
_
```

Étape 5. La nouvelle image démarre et après le rechargement, le menu initial s'affiche.

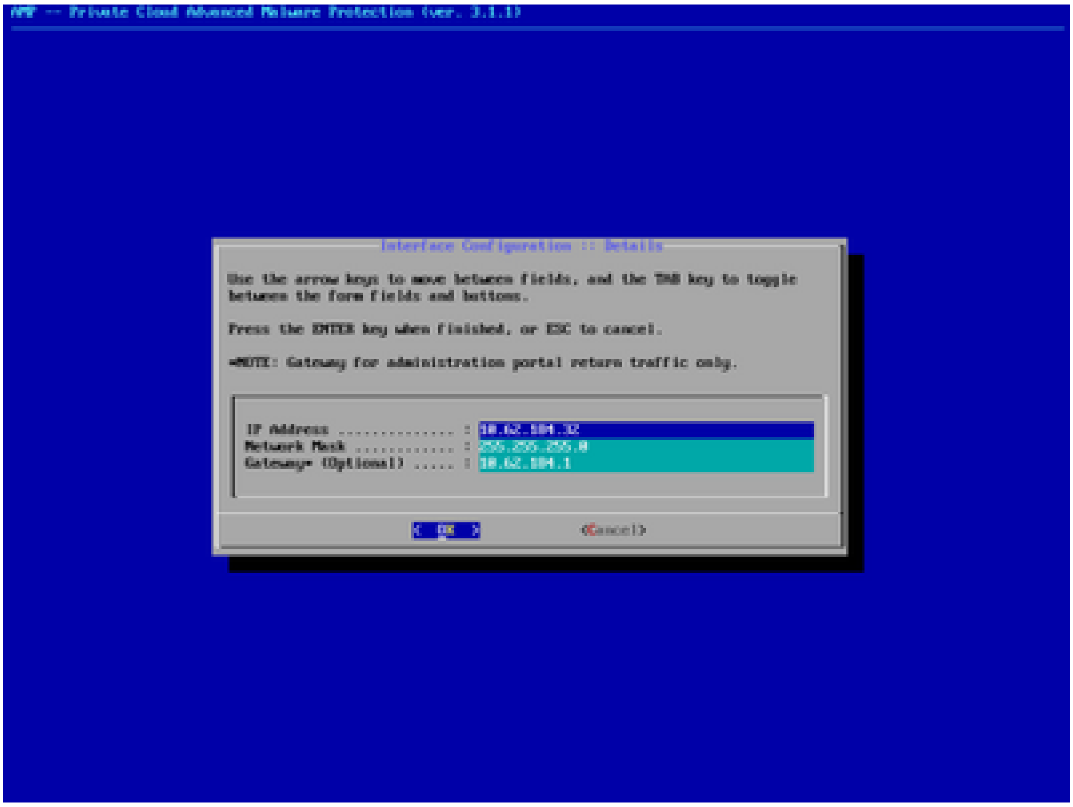


```
[   11.737838] usbcore: registered new interface driver usbserial_generic
[   11.744818] usbserial: USB Serial support registered for generic
[   11.753899] i8042: PNP: No PS/2 controller found. Probing ports directly.
[   11.989287] usb 1-6: new high-speed USB device number 2 using xhci_hcd
[   12.118201] usb 1-6: New USB device found, idVendor=2a4b, idProduct=0400
[   12.123103] usb 1-6: New USB device strings: Mfr=1, Product=2, SerialNumber=3
[   12.130538] usb 1-6: Product: Emulex Pilot4 HighSpeed HUB
[   12.136513] usb 1-6: Manufacturer: Emulex Communications
[   12.140912] usb 1-6: SerialNumber: 0xBADDEVICE
[   12.146133] hub 1-6:1.0: USB hub found
[   12.150658] hub 1-6:1.0: 7 ports detected
[   12.267537] usb 1-7: new high-speed USB device number 3 using xhci_hcd
[   12.297535] i8042: Can't read CTR while initializing i8042
[   12.302622] i8042: probe of i8042 failed with error -5
[   12.306905] mousedev: PS/2 mouse device common for all mice
[   12.315260] rtc_cmos 00:00: RTC can wake from S4
[   12.316427] rtc_cmos 00:00: rtc core: registered rtc_cmos as rtc0
[   12.320010] rtc_cmos 00:00: alarms up to one month, y3k, 114 bytes nvram, hpet ir
[   12.325435] intel_pstate: Intel P-state driver initializing
[   12.332225] intel_pstate: HWP enabled
[   12.339200] cpuidle: using governor menu
[   12.344827] EFI Variables Facility v0.08 2004-May-17
[   12.370255] tsc: Refined TSC clocksource calibration: 2593.906 MHz
[   12.384193] Switched to clocksource tsc
[   12.405792] hidraw: raw HID events driver (C) Jiri Kosina
[   12.409874] usbhid: USB HID core driver
[   12.411748] usb 1-7: New USB device found, idVendor=0424, idProduct=6570
[   12.411952] usb 1-7: New USB device strings: Mfr=0, Product=1, SerialNumber=0
[   12.411955] usb 1-7: Product: USB2.0 Hub
[   12.413594] hub 1-7:1.0: USB hub found
[   12.413742] hub 1-7:1.0: 4 ports detected
[   12.441224] Detected 1 PCC Subspaces
[   12.445423] Registering PCC driver as Mailbox controller
[   12.452900] drop_monitor: Initializing network drop monitor service
[   12.456276] TCP: cubic registered
[   12.462456] Initializing XFRM netlink socket
[   12.466662] NET: Registered protocol family 10
[   12.472026] NET: Registered protocol family 17
[   12.472040] usb 1-6.1: new high-speed USB device number 4 using xhci_hcd
[   12.485000] mpls_gso: MPLS GSO support
[   12.499395] intel_rdt: Intel RDT MB allocation detected
[   12.505096] microcode: sig=0x50654, pf=0x80, revision=0x200004d
[   12.513400] microcode: Microcode Update Driver: v2.01 <tigran@aivazian.fsnet.co.uk>, Peter Oruba
```



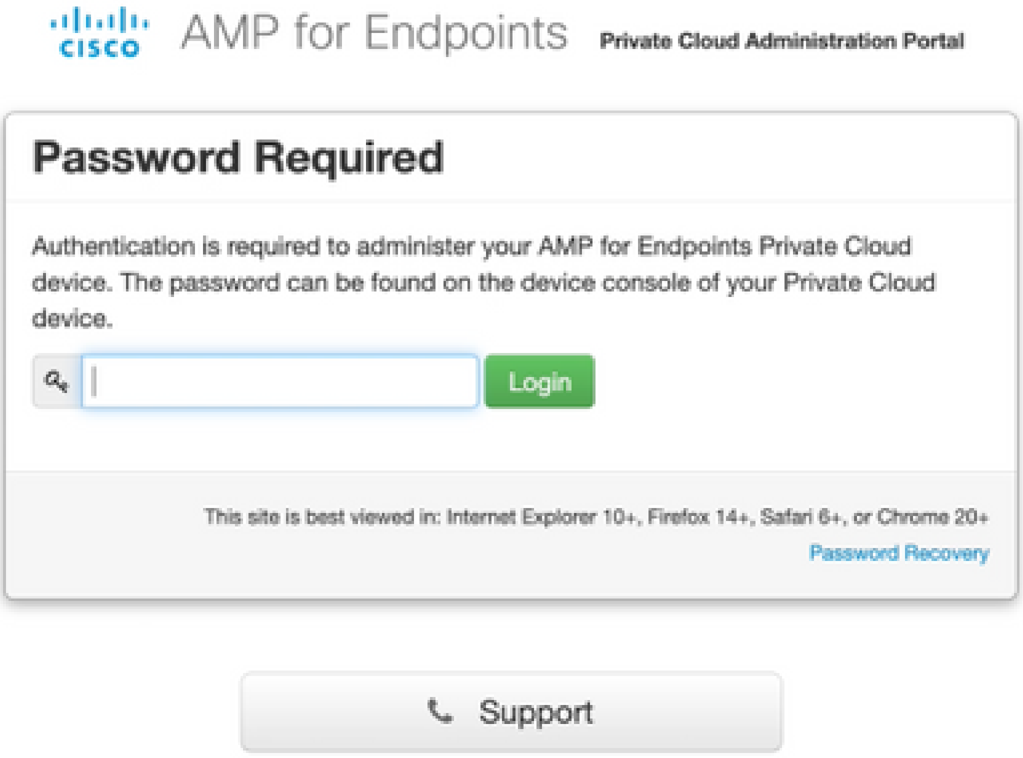
```
AMP -- Private Cloud Advanced Malware Protection (ver. 3.1.1)

                         Main Menu

Your AMP Private Cloud device cannot be managed until your Web
administration interface is properly configured.

URL ............ : [UNCONFIGURED]
MAC Address .... : 3c:fd:fe:d1:79:f8

Please configure your Web administration interface by selecting
CONFIG_NETWORK in the menu below.

     CONFIG_NETWORK     Configure the Web administration interface.
     CONSOLE            Start command-line console / shell.
     INFO               Display device status / information.
     ↓(+)                                                      64%

                         <  OK  >
```

Étape 6. Configurez le réseau dans le sous-menu CONFIG_NETWORK.



```
AMP -- Private Cloud Advanced Malware Protection (ver. 3.1.1)

              Interface Configuration :: Details

Use the arrow keys to move between fields, and the TAB key to toggle
between the form fields and buttons.

Press the ENTER key when finished, or ESC to cancel.

*NOTE: Gateway for administration portal return traffic only.

  IP Address ............... : 10.62.184.32
  Network Mask ............. : 255.255.255.0
  Gateway* (Optional) ...... : 10.62.184.1

              <  OK  >              <Cancel>
```

Étape 7. Connectez-vous au portail AMP OPadmin avec un mot de passe à partir de l'étape 5.

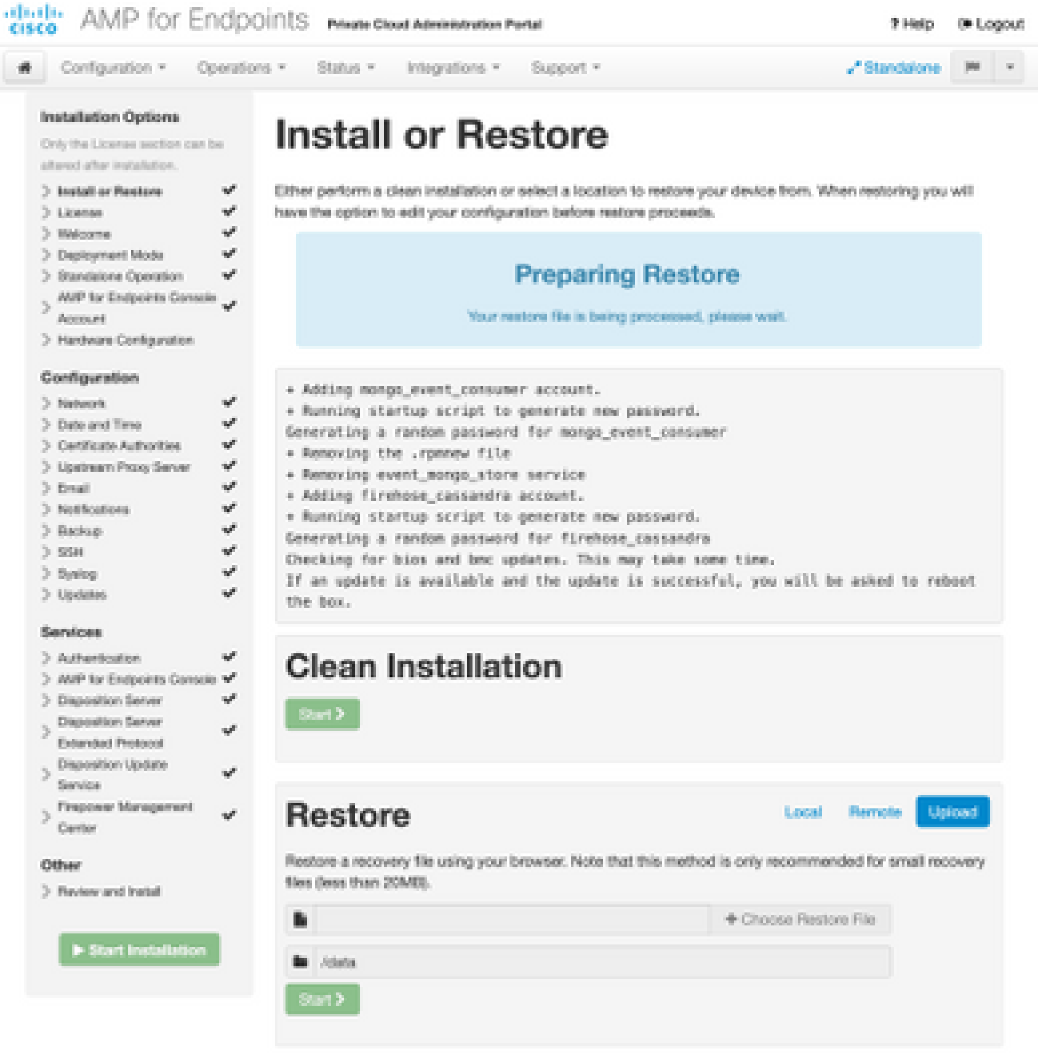


Password Required

Authentication is required to administer your AMP for Endpoints Private Cloud device. The password can be found on the device console of your Private Cloud device.

This site is best viewed in: Internet Explorer 10+, Firefox 14+, Safari 6+, or Chrome 20+

Étape 8. Utilisez SFTP ou SCP pour télécharger la sauvegarde depuis le serveur distant vers /data/.



Installation Options

Only the License section can be altered after installation.

- Install or Restore ✓
- License ✓
- Welcome ✓
- Deployment Mode ✓
- Standalone Operation ✓
- AMP for Endpoints Console Account ✓
- Hardware Configuration

Configuration

- Network ✓
- Date and Time ✓
- Certificate Authorities ✓
- Upstream Proxy Server ✓
- Email ✓
- Notifications ✓
- Backup ✓
- SSH ✓
- Syslog ✓
- Updates ✓

Services

- Authentication ✓
- AMP for Endpoints Console ✓
- Disposition Server ✓
- Disposition Server Extended Protocol ✓
- Disposition Update Service ✓
- Firepower Management Center ✓

Other

- Review and Install

Install or Restore

Either perform a clean installation or select a location to restore your device from. When restoring you will have the option to edit your configuration before restore proceeds.

Preparing Restore

Your restore file is being processed, please wait.

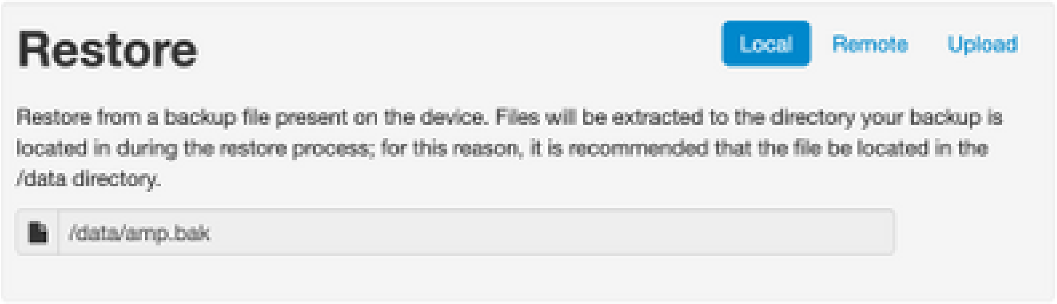
```
* Adding mongo_event_consumer account.
* Running startup script to generate new password.
Generating a random password for mongo_event_consumer
* Removing the .rpmnew file
* Removing event_mongo_store service
* Adding firehose_cassandra account.
* Running startup script to generate new password.
Generating a random password for firehose_cassandra
Checking for bios and bmc updates. This may take some time.
If an update is available and the update is successful, you will be asked to reboot
the box.
```

Clean Installation

Restore

Restore a recovery file using your browser. Note that this method is only recommended for small recovery files (less than 20MB).

/data

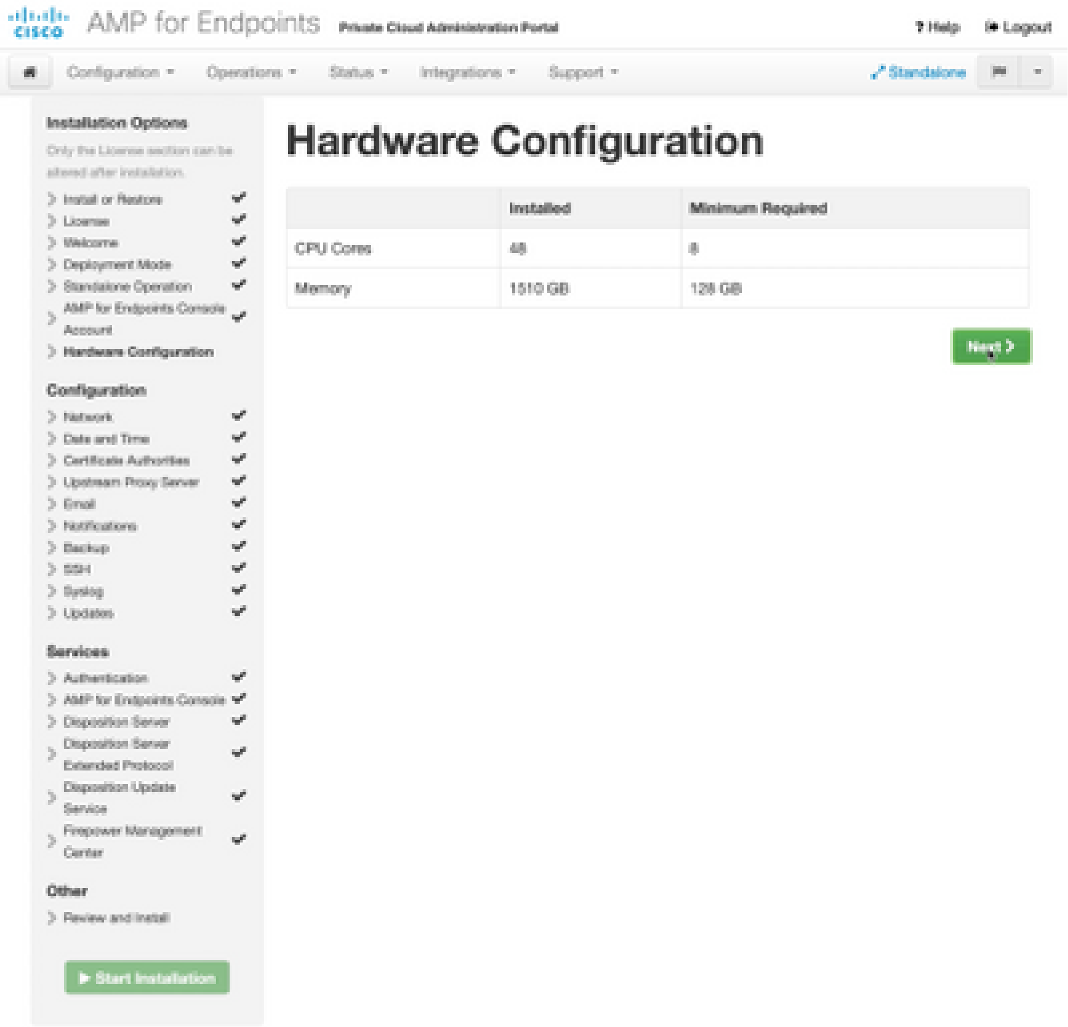


## Restore

Restore from a backup file present on the device. Files will be extracted to the directory your backup is located in during the restore process; for this reason, it is recommended that the file be located in the /data directory.

/data/amp.bak

Étape 9. Confirmez la configuration matérielle, cliquez sur **Suivant > Démarrer l'installation**.



**Installation Options**

Only the License section can be altered after installation.

- Install or Restore ✓
- License ✓
- Welcome ✓
- Deployment Mode ✓
- Standalone Operation ✓
- AMP for Endpoints Console Account ✓
- **Hardware Configuration**

**Configuration**

- Network ✓
- Date and Time ✓
- Certificate Authorities ✓
- Upstream Proxy Server ✓
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- Backup ✓
- SSH ✓
- Syslog ✓
- Updates ✓

**Services**

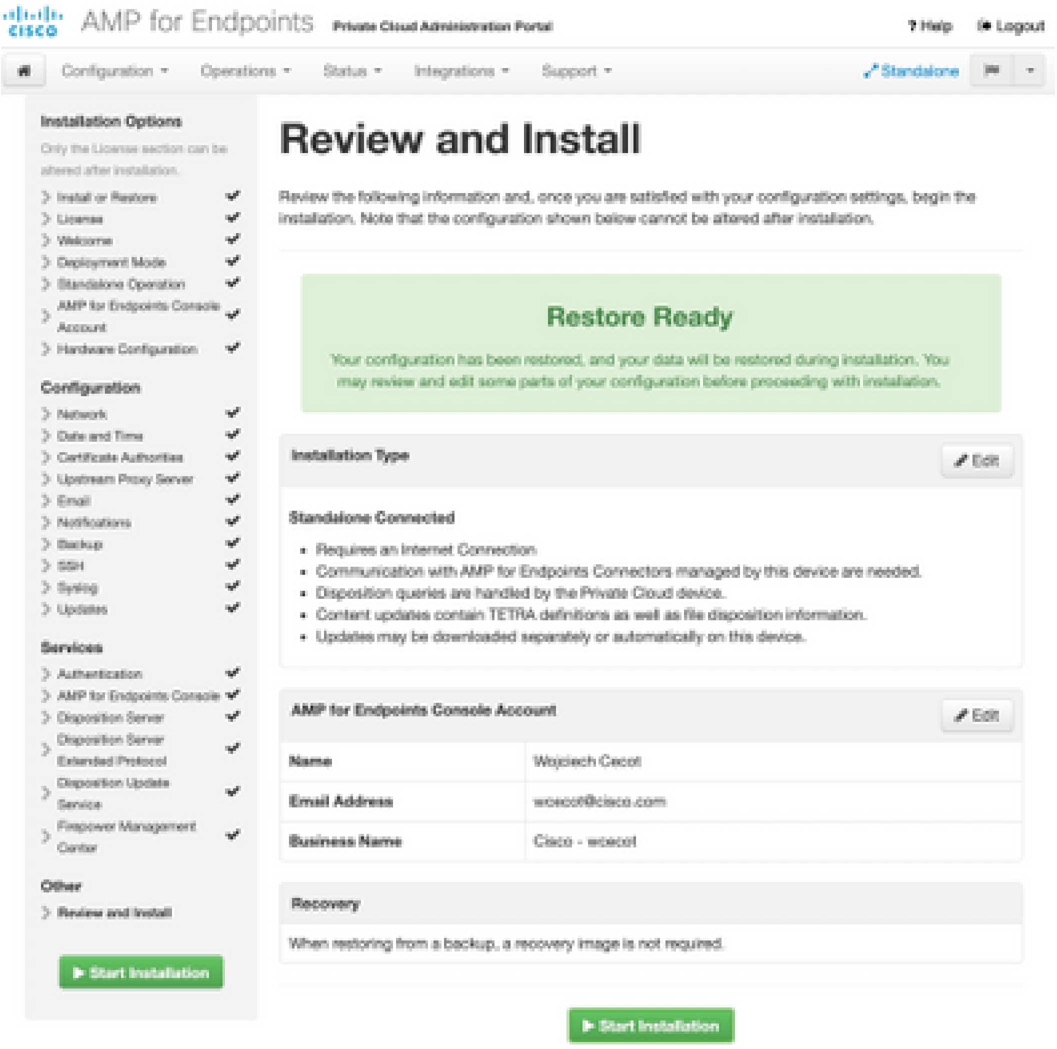
- Authentication ✓
- AMP for Endpoints Console ✓
- Disposition Server ✓
- Disposition Server Extended Protocol ✓
- Disposition Update Service ✓
- Firepower Management Center ✓

**Other**

- Review and Install

## Hardware Configuration

| | Installed | Minimum Required |
|---|---|---|
| CPU Cores | 48 | 8 |
| Memory | 1510 GB | 128 GB |



# Review and Install

Review the following information and, once you are satisfied with your configuration settings, begin the installation. Note that the configuration shown below cannot be altered after installation.

## Restore Ready

Your configuration has been restored, and your data will be restored during installation. You may review and edit some parts of your configuration before proceeding with installation.

**Installation Type**

**Standalone Connected**

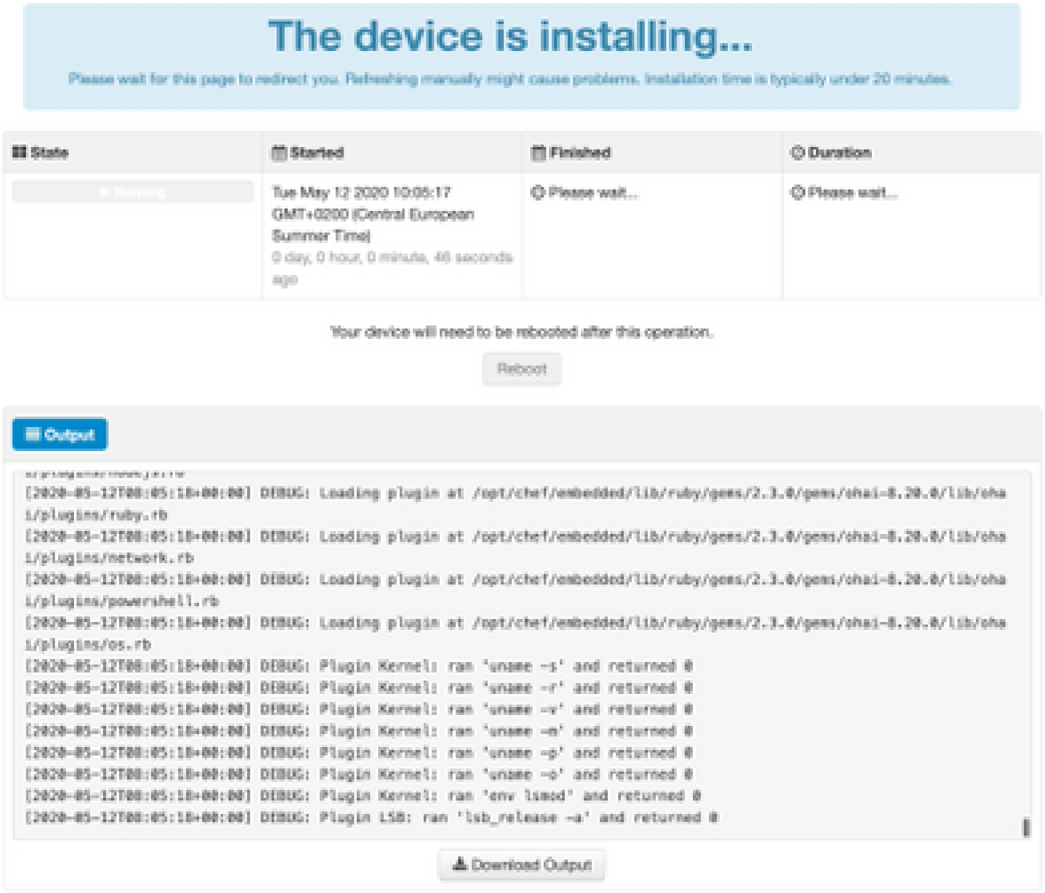
- Requires an Internet Connection
- Communication with AMP for Endpoints Connectors managed by this device are needed.
- Disposition queries are handled by the Private Cloud device.
- Content updates contain TETRA definitions as well as file disposition information.
- Updates may be downloaded separately or automatically on this device.

**AMP for Endpoints Console Account**

| | |
|---|---|
| **Name** | Wojciech Cecot |
| **Email Address** | wcecot@cisco.com |
| **Business Name** | Cisco - wcecot |

**Recovery**

When restoring from a backup, a recovery image is not required.



## The device is installing...

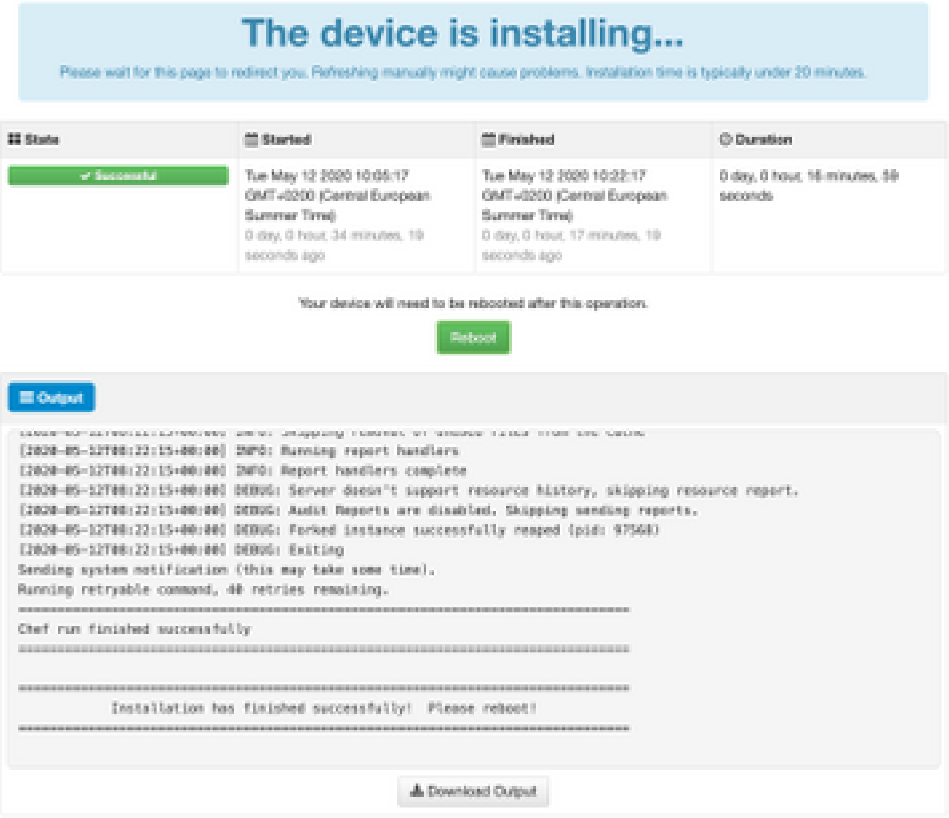
Please wait for this page to redirect you. Refreshing manually might cause problems. Installation time is typically under 20 minutes.

| State | Started | Finished | Duration |
|---|---|---|---|
| ▶ Running | Tue May 12 2020 10:05:17 GMT+0200 (Central European Summer Time)<br>0 day, 0 hour, 0 minute, 46 seconds ago | Please wait... | Please wait... |

Your device will need to be rebooted after this operation.

```
[2020-05-12T08:05:18+00:00] DEBUG: Loading plugin at /opt/chef/embedded/lib/ruby/gems/2.3.0/gems/ohai-8.20.0/lib/oha
i/plugins/ruby.rb
[2020-05-12T08:05:18+00:00] DEBUG: Loading plugin at /opt/chef/embedded/lib/ruby/gems/2.3.0/gems/ohai-8.20.0/lib/oha
i/plugins/network.rb
[2020-05-12T08:05:18+00:00] DEBUG: Loading plugin at /opt/chef/embedded/lib/ruby/gems/2.3.0/gems/ohai-8.20.0/lib/oha
i/plugins/powershell.rb
[2020-05-12T08:05:18+00:00] DEBUG: Loading plugin at /opt/chef/embedded/lib/ruby/gems/2.3.0/gems/ohai-8.20.0/lib/oha
i/plugins/os.rb
[2020-05-12T08:05:18+00:00] DEBUG: Plugin Kernel: ran 'uname -s' and returned 0
[2020-05-12T08:05:18+00:00] DEBUG: Plugin Kernel: ran 'uname -r' and returned 0
[2020-05-12T08:05:18+00:00] DEBUG: Plugin Kernel: ran 'uname -v' and returned 0
[2020-05-12T08:05:18+00:00] DEBUG: Plugin Kernel: ran 'uname -m' and returned 0
[2020-05-12T08:05:18+00:00] DEBUG: Plugin Kernel: ran 'uname -p' and returned 0
[2020-05-12T08:05:18+00:00] DEBUG: Plugin Kernel: ran 'uname -o' and returned 0
[2020-05-12T08:05:18+00:00] DEBUG: Plugin Kernel: ran 'env lsmod' and returned 0
[2020-05-12T08:05:18+00:00] DEBUG: Plugin LSB: ran 'lsb_release -a' and returned 0
```

Étape 10. Le redémarrage est nécessaire après une restauration réussie.



The device is installing...

Please wait for this page to redirect you. Refreshing manually might cause problems. Installation time is typically under 20 minutes.

| State | Started | Finished | Duration |
|---|---|---|---|
| ✓ Successful | Tue May 12 2020 10:05:17 GMT+0200 (Central European Summer Time)<br>0 day, 0 hour, 34 minutes, 19 seconds ago | Tue May 12 2020 10:22:17 GMT+0200 (Central European Summer Time)<br>0 day, 0 hour, 17 minutes, 19 seconds ago | 0 day, 0 hour, 16 minutes, 59 seconds |

Your device will need to be rebooted after this operation.

```
[2020-05-12T08:22:15+00:00] INFO: Skipping removal of unused files from the cache
[2020-05-12T08:22:15+00:00] INFO: Running report handlers
[2020-05-12T08:22:15+00:00] INFO: Report handlers complete
[2020-05-12T08:22:15+00:00] DEBUG: Server doesn't support resource history, skipping resource report.
[2020-05-12T08:22:15+00:00] DEBUG: Audit Reports are disabled. Skipping sending reports.
[2020-05-12T08:22:15+00:00] DEBUG: Forked instance successfully reaped (pid: 97568)
[2020-05-12T08:22:15+00:00] DEBUG: Exiting
Sending system notification (this may take some time).
Running retryable command, 40 retries remaining.
================================================================================
Chef run finished successfully
================================================================================

================================================================================
          Installation has finished successfully!  Please reboot!
================================================================================
```

## Vérification

Une fois l'appareil redémarré, vérifiez si les deux portails fonctionnent correctement. Essayez d'ouvrir le portail OPadmin et Console dans le navigateur Web. Il faut quelques minutes pour que les deux portails soient accessibles.

## Dépannage

Dans le cas d'un processus de restauration de sauvegarde, le mot de passe des portails OPadmin et Console est le même que précédemment. Sinon, vous devez utiliser ce que vous avez défini dans l'Assistant.