Recrie a imagem do AMP Private Cloud PC3000 e restaure o backup

Contents

Introduction

Este documento descreve como refazer a imagem do dispositivo de hardware AMP (Advanced Malware Protection, proteção avançada contra malware) para o estado de fábrica e restaurar o backup. Para reverter o dispositivo para o estado de fábrica, ignore a etapa 8 e siga a instalação regular.

Prerequisites

Requirements

A Cisco recomenda que você tenha conhecimento destes tópicos:

- Cisco AMP Private Cloud PC3000
- Acesso de máquina virtual baseada em kernel (KVM) através do Cisco Integrated Management Controller (CIMC)

Componentes Utilizados

As informações neste documento são baseadas nestas versões de software e hardware:

- Cisco AMP Private Cloud PC3000 3.1.1
- Navegador do Chrome para acessar o 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. Se a rede estiver ativa, certifique-se de que você entenda o impacto potencial de qualquer comando.

Configurar

Etapa 1. Faça login no CIMC. Abra o console KVM.

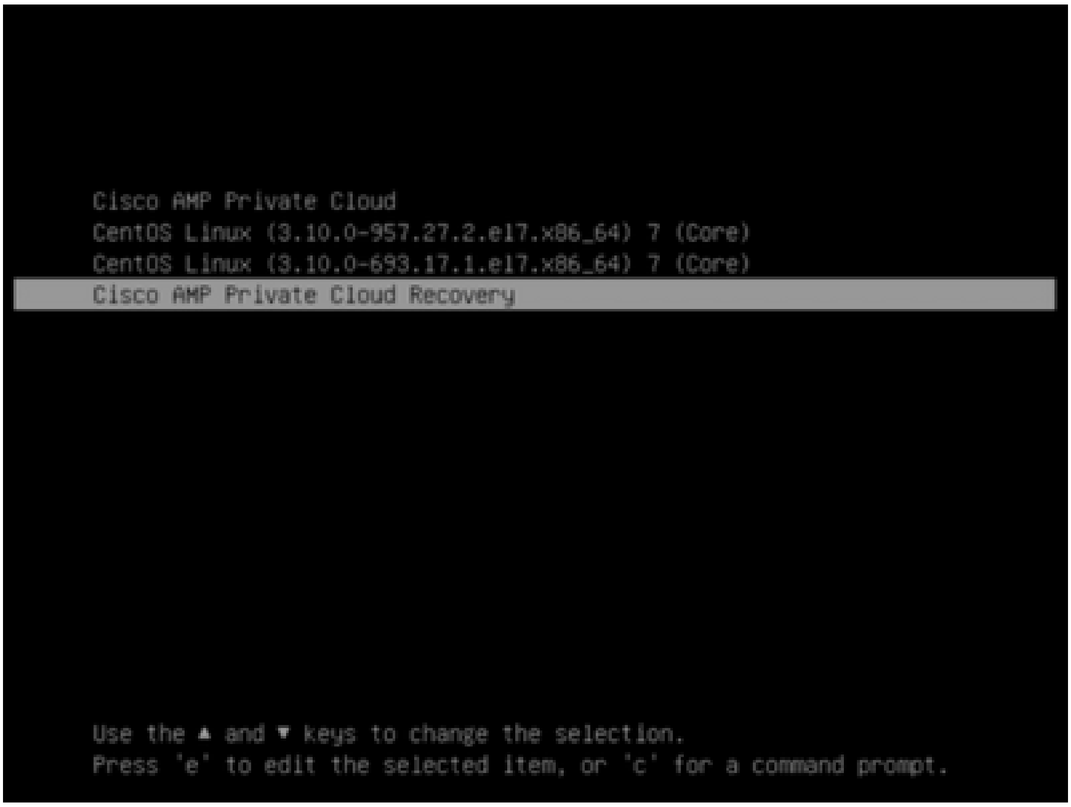
Verifique se os pop-ups estão ativados para essa página no navegador.

Etapa 2. Recarregue o dispositivo.

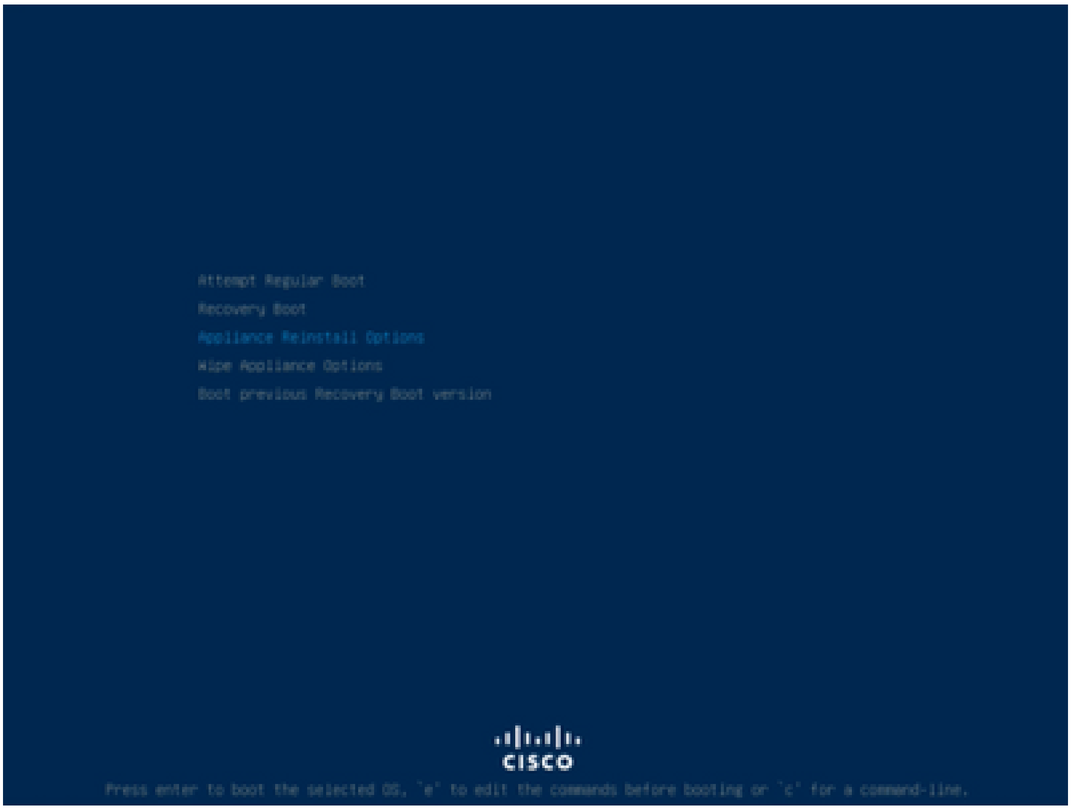
Você pode reinicializar o dispositivo por meio do portal do administrador, Secure Shell (SSH) ou CIMC KVM.

Etapa 3. Após o término do POST (Basic Input Output System [sistema básico de entradas e saídas]), o menu GR GNU e GRUB (Unified Bootloader [carregador de inicialização unificado]) é exibido:

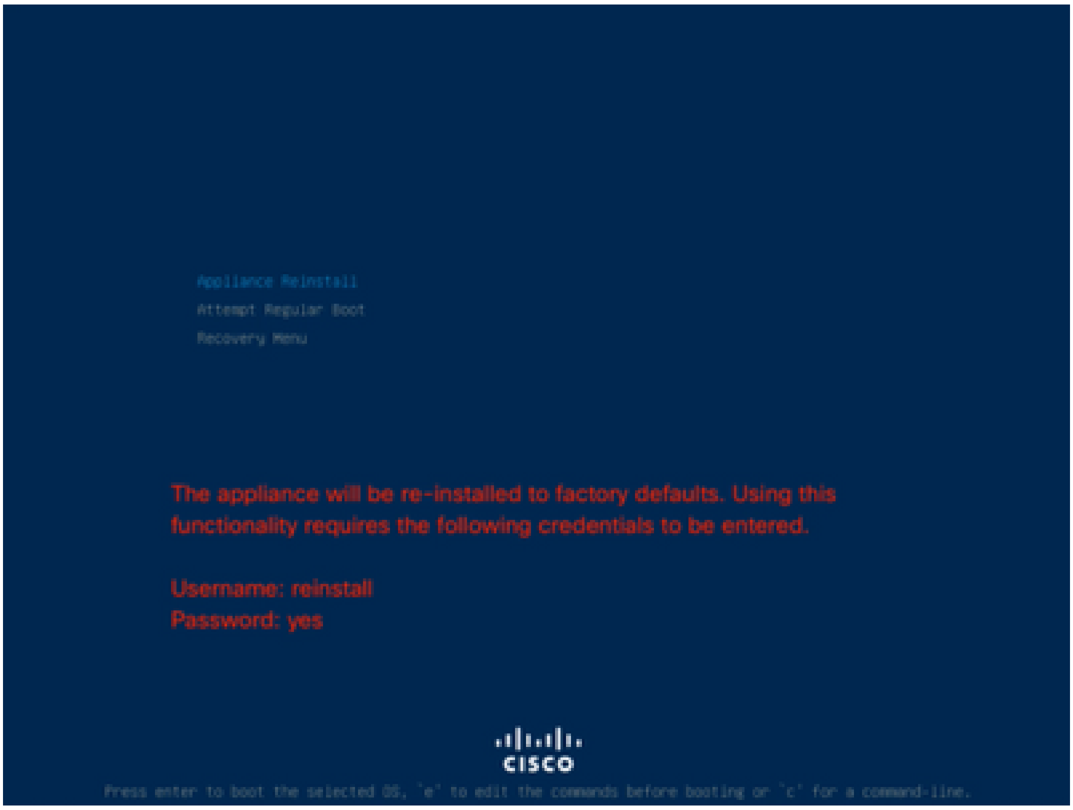
Selecione **Cisco AMP Private Cloud Recovery > Appliance Reinstall Options > Appliance Reinstall**.



```
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.

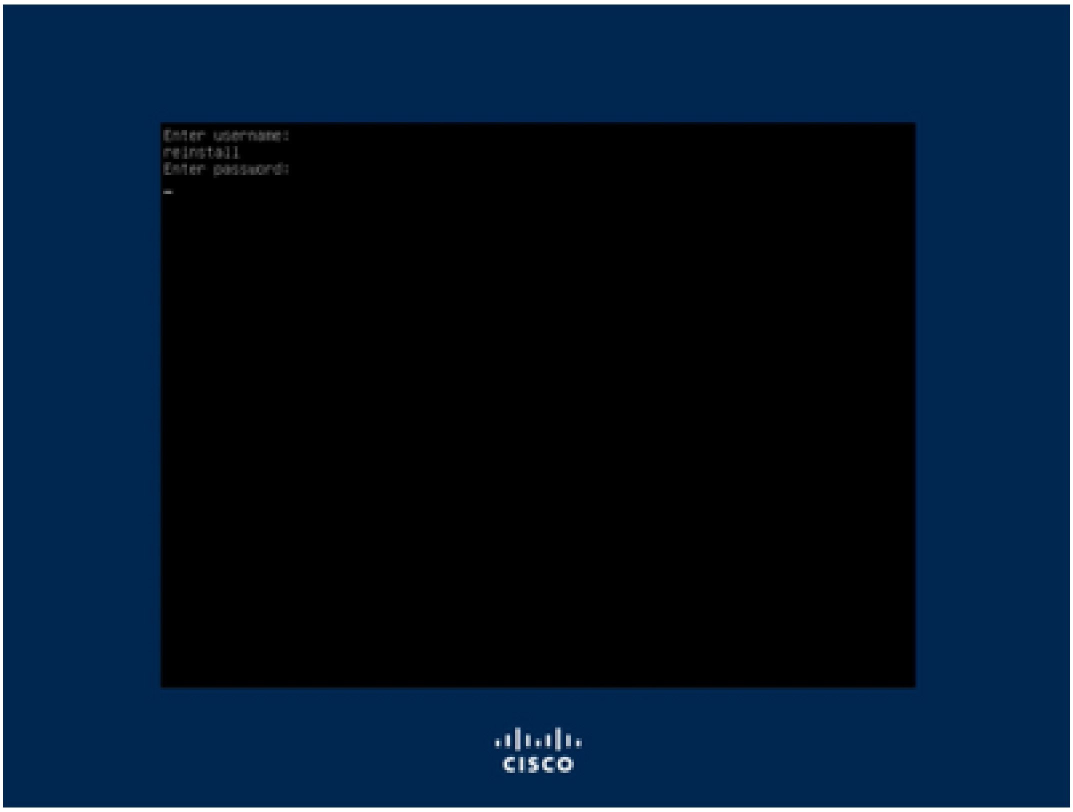
Username: reinstall
Password: yes

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

Etapa 4. Digite o nome de usuário e a senha.

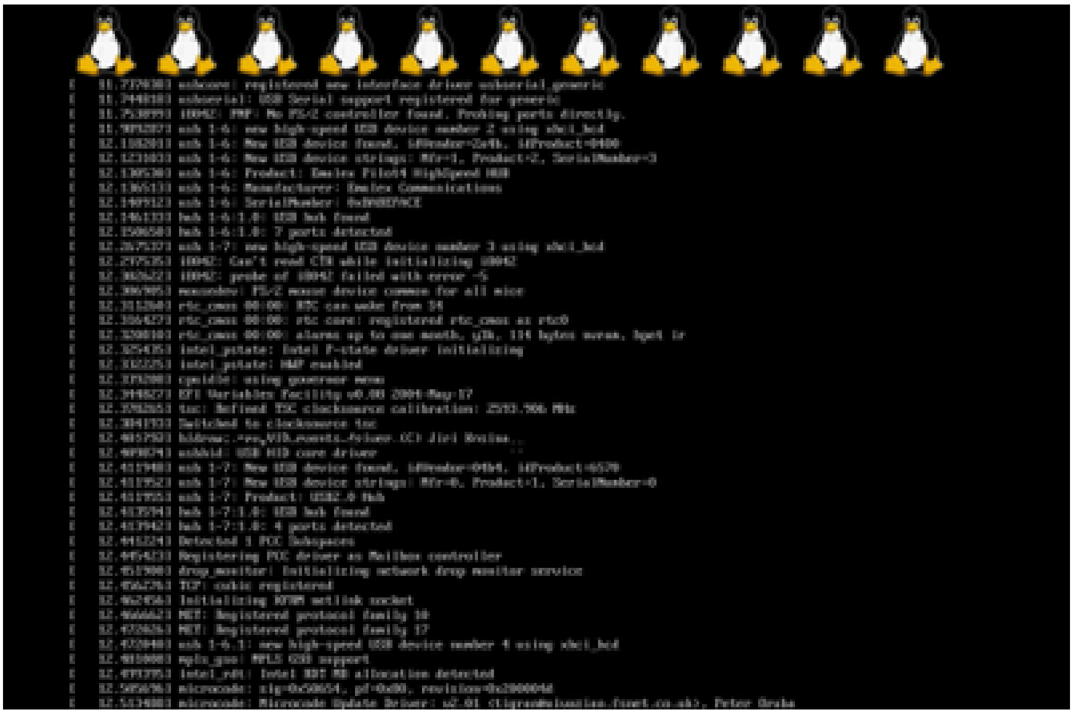
Nome de usuário: **reinstalar**

Senha: **sim**

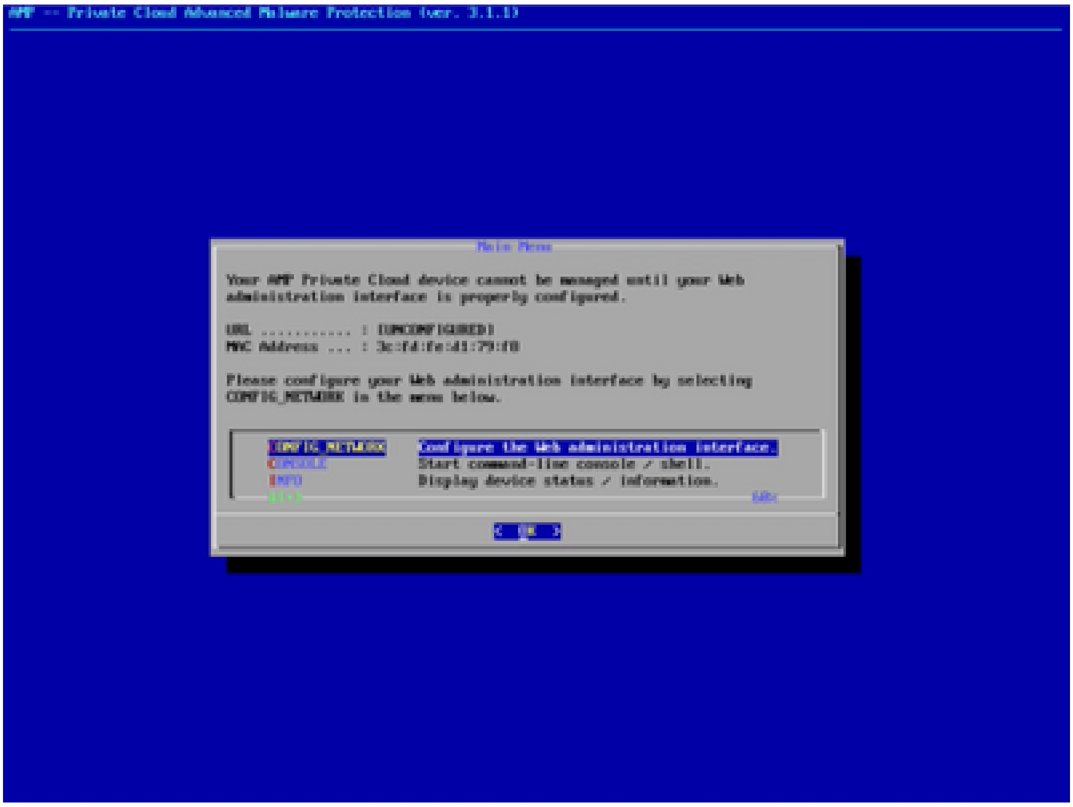


```
Enter username:
reinstall
Enter password:
_
```

Etapa 5. A reimagem é iniciada e, após o recarregamento, o menu inicial é exibido.

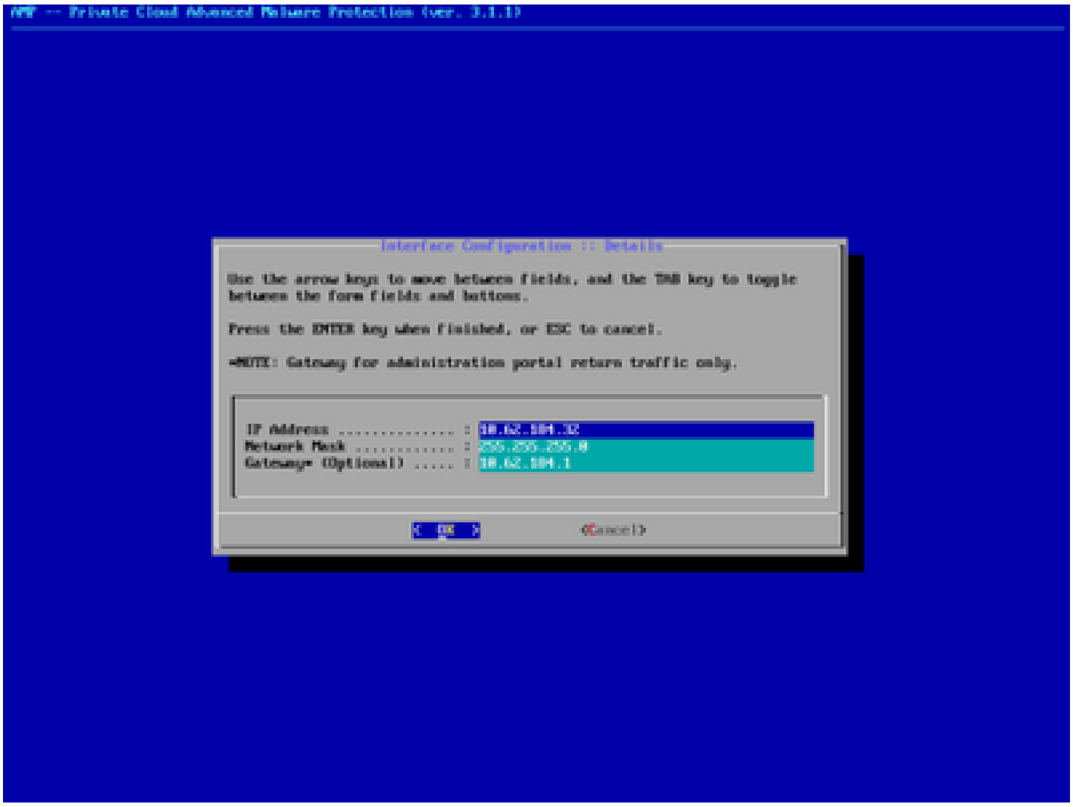


```
[   11.737038] usbcore: registered new interface driver usbserial_generic
[   11.744818] usbserial: USB Serial support registered for generic
[   11.753899] i8042: PNP: No PS/2 controller found. Probing ports directly.
[   11.985287] usb 1-6: new high-speed USB device number 2 using xhci_hcd
[   12.118201] usb 1-6: New USB device found, idVendor=2a4b, idProduct=0400
[   12.123183] 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
[   12.315268] 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
[   12.337208] cpuidle: using governor menu
[   12.344827] EFI Variables Facility v0.08 2004-May-17
[   12.378265] tsc: Refined TSC clocksource calibration: 2593.906 MHz
[   12.384173] Switched to clocksource tsc
[   12.405792] hidraw: raw HID events driver (C) Jiri Kosina
[   12.409874] usbhid: USB HID core driver
[   12.411948] 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
[   12.413942] 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
[   12.472840] usb 1-6.1: new high-speed USB device number 4 using xhci_hcd
[   12.481000] mpls_gso: MPLS GSO support
[   12.491395] intel_rdt: Intel RDT RD allocation detected
[   12.505696] microcode: sig=0x50654, pf=0x80, revision=0x2000040
[   12.513480] microcode: Microcode Update Driver: v2.01 <tigran@aivazian.fsnet.co.uk>, Peter Oruba
```



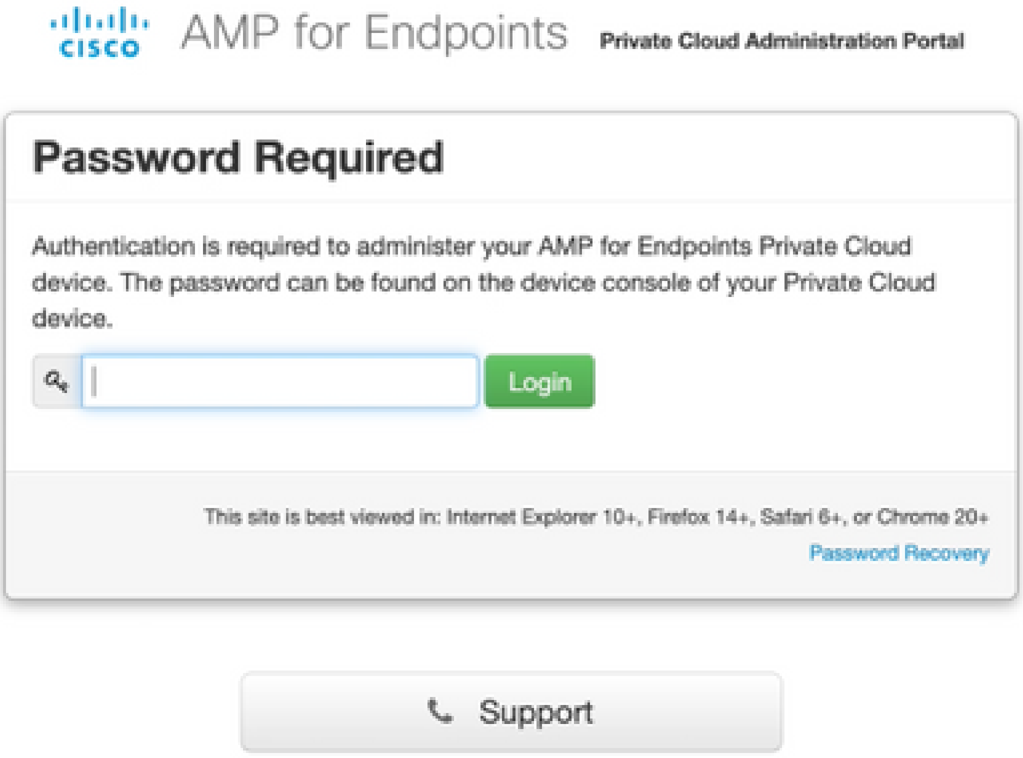
```
AMP -- Private Cloud Advanced Malware Protection (ver. 3.1.1)

                              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.
    ↓(+)                                                        60%

                          <  OK  >
```

Etapa 6. Configure a rede no submenu 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>
```

Passo 7. Faça login no portal AMP OPadmin com a senha da etapa 5.

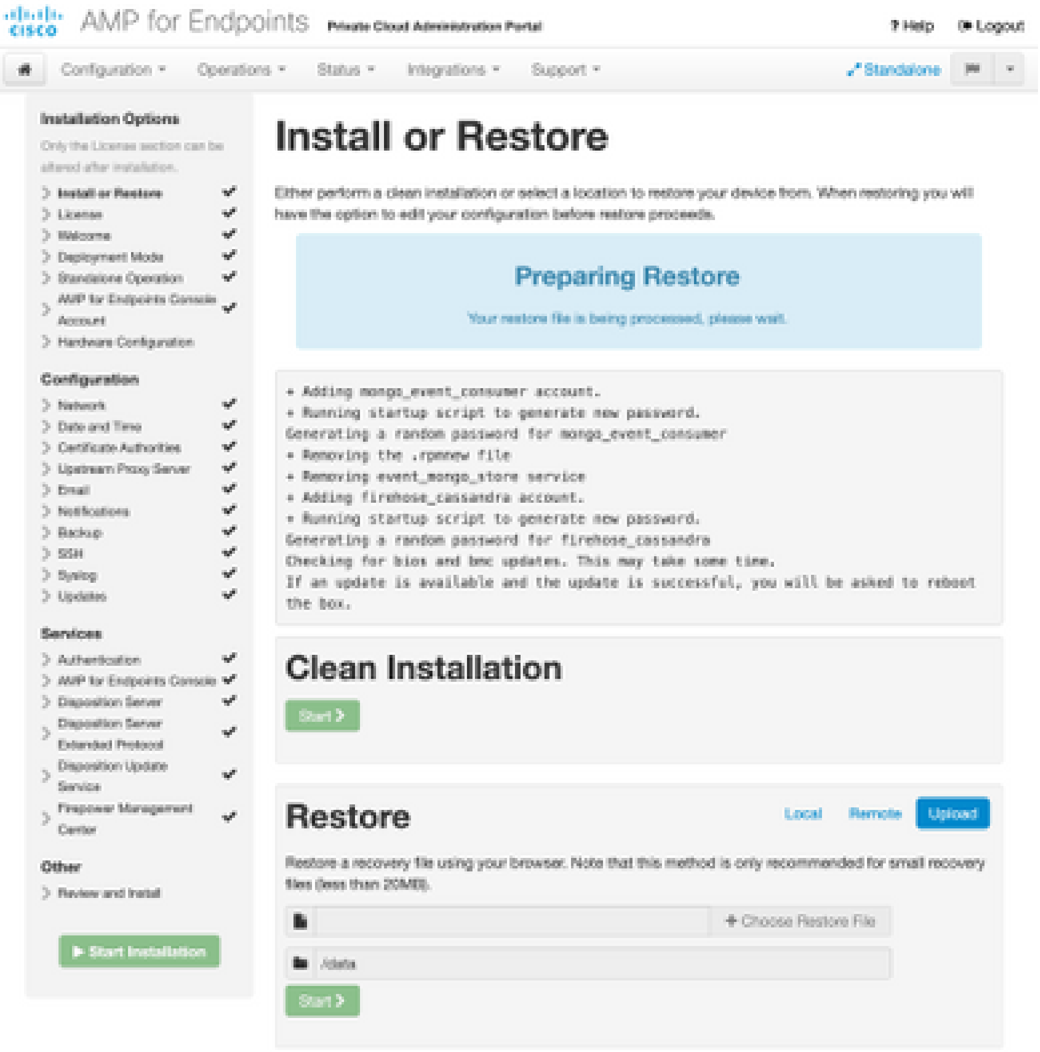


Password Required

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+

Etapa 8. Use SFTP ou SCP para baixar o backup do servidor remoto para /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.

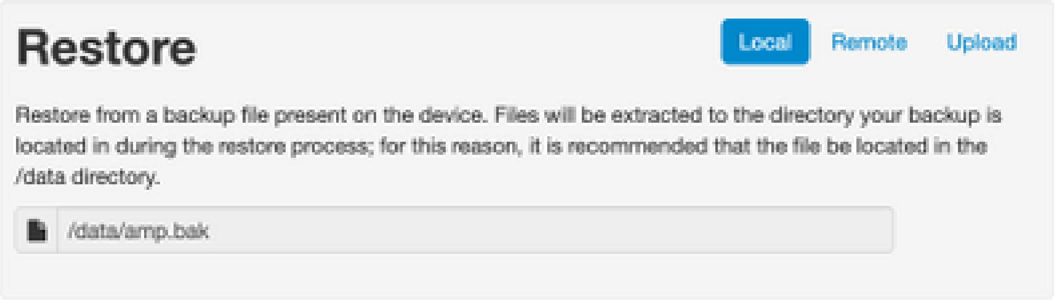
```
* Adding mongo_event_consumer account.
* Running startup script to generate new password.
Generating a random password for mongo_event_consumer
* Removing the .rpmnew file
* Removing event_mongo_store service
* Adding firehose_cassandra account.
* Running startup script to generate new password.
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

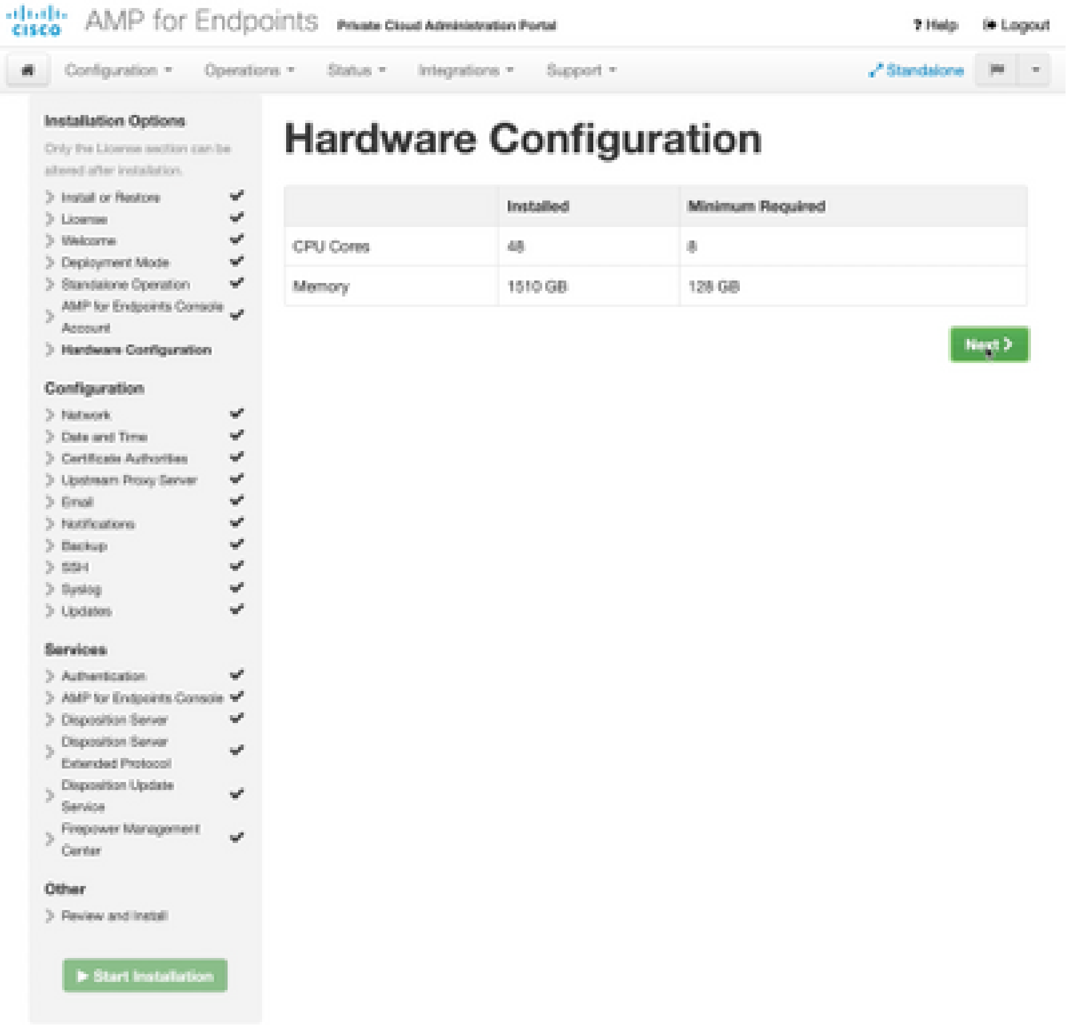


Restore

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.

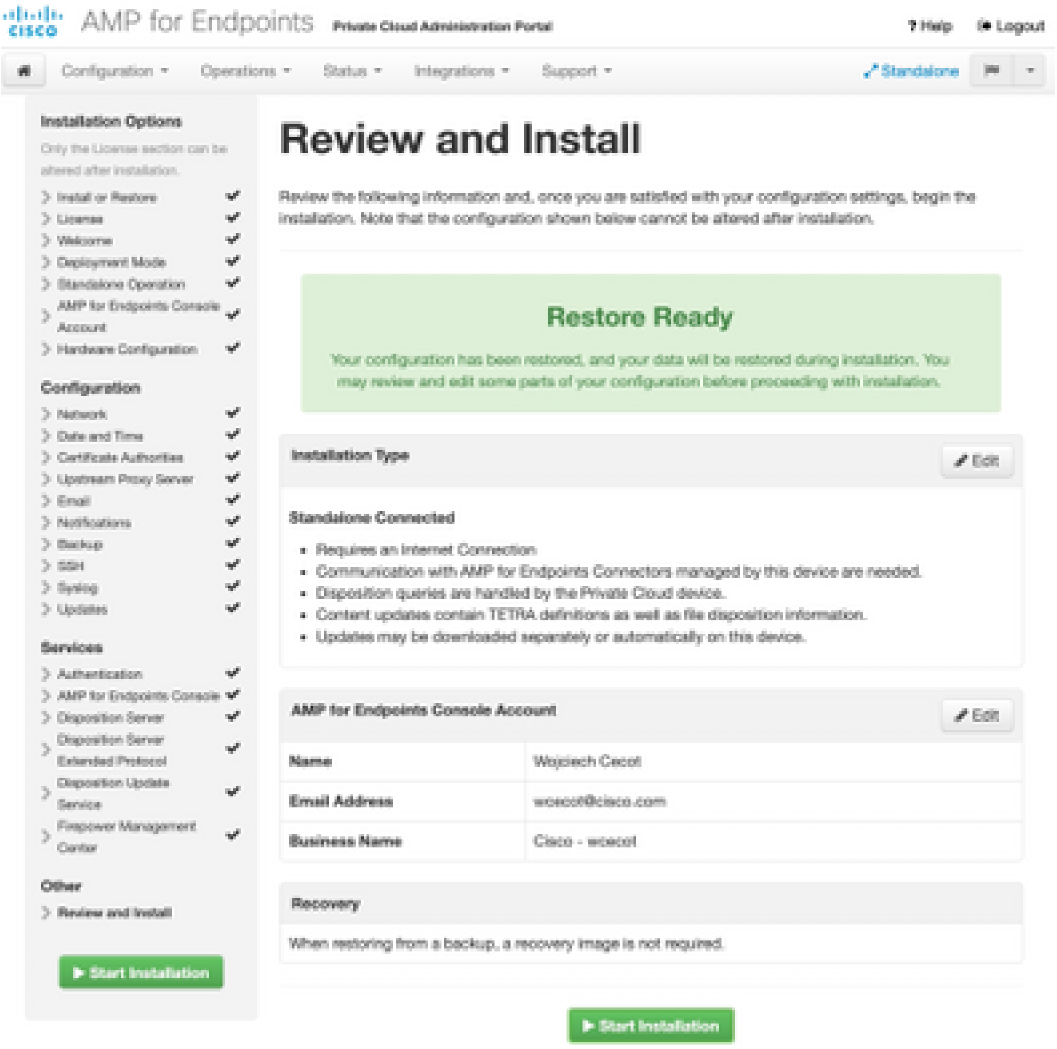
/data/amp.bak

Etapa 9. Confirme a configuração do hardware e clique em **Next > Start Installation**.



Hardware Configuration

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



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

▶ Start Installation

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 Edit

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.

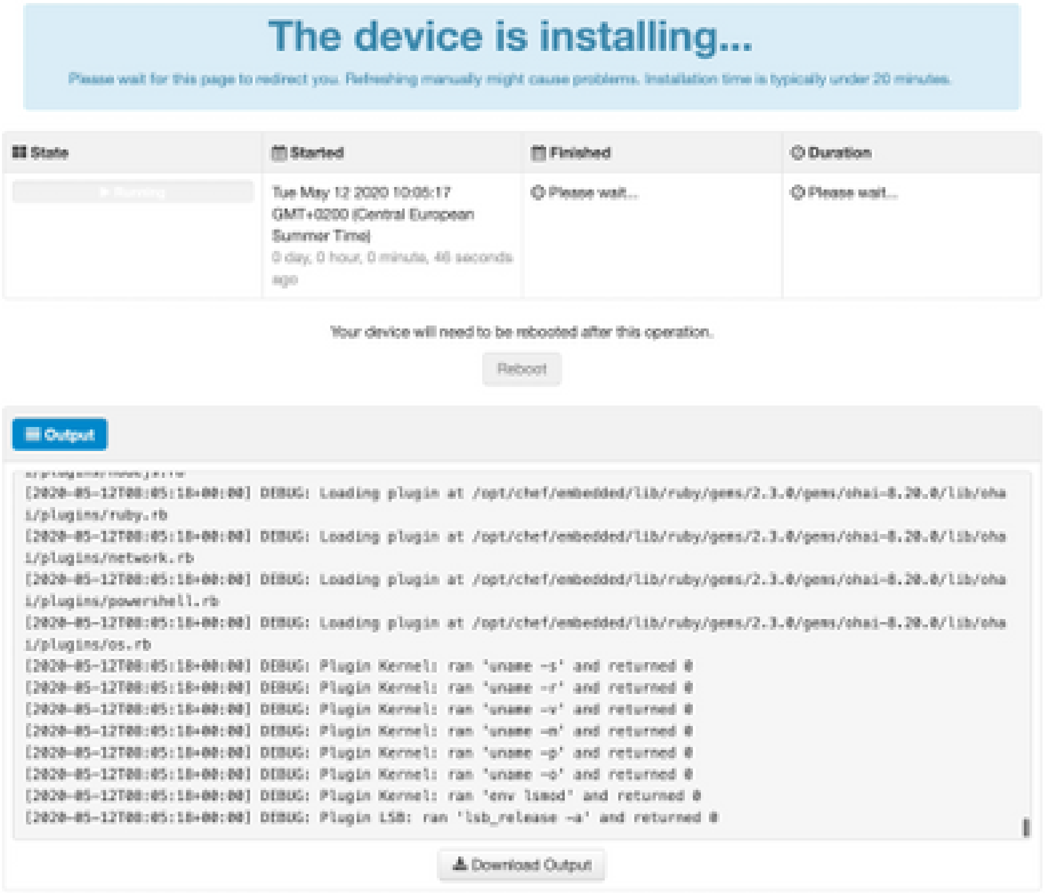
AMP for Endpoints Console Account Edit

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

Recovery

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

▶ Start Installation



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) 0 day, 0 hour, 0 minute, 46 seconds ago	Please wait...	Please wait...

Your device will need to be rebooted after this operation.

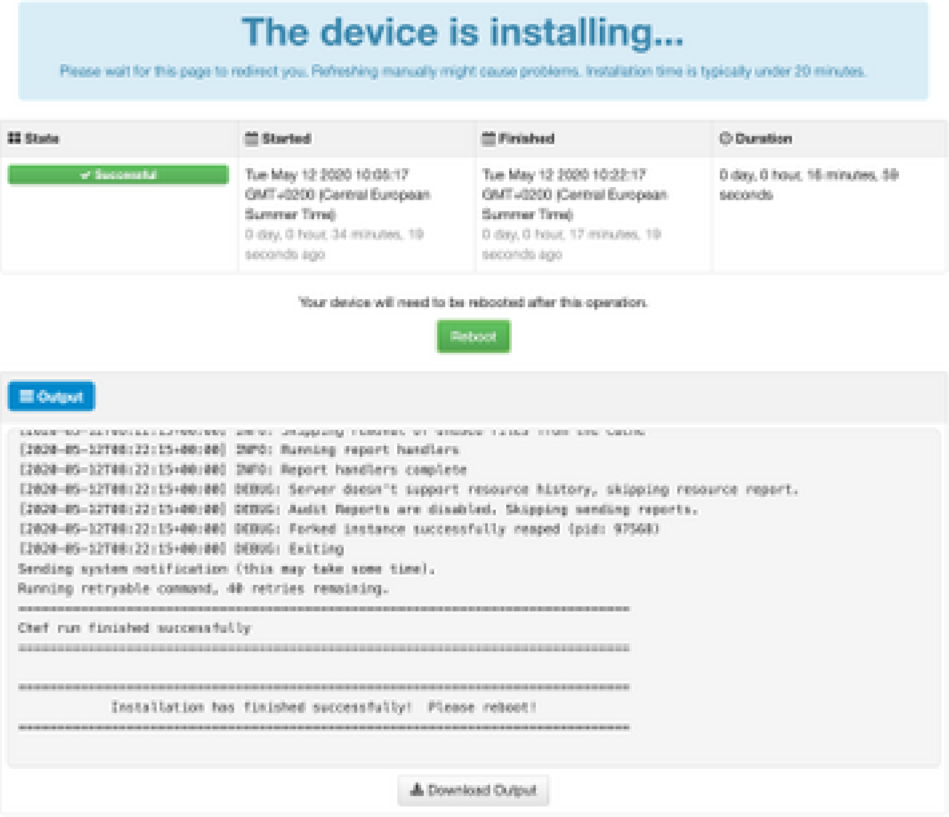
Reboot

Output

```
[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
```

Download Output

Etapa 10. A reinicialização é necessária após a restauração bem-sucedida.



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) 0 day, 0 hour, 34 minutes, 19 seconds ago	Tue May 12 2020 10:22:17 GMT+0200 (Central European Summer Time) 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!
================================================================================
```

Verificar

Depois que o equipamento for reinicializado, verifique se ambos os portais estão funcionando bem. Tente abrir o portal OPadmin e Console no navegador da Web. Leva alguns minutos para que ambos os portais estejam acessíveis.

Troubleshoot

Em caso de processo de restauração de backup, a senha para os portais OPadmin e Console é a mesma de antes. Caso contrário, você precisará usar o que definiu no assistente.