Instalación y configuración de la nube privada virtual de terminal seguro

Contenido

Introducción Prerequisites Implementación de VPC Instalación de VM Configuración inicial de la interfaz de administración Configuración inicial de vPC mediante GUI web Configuración Services Paquete de actualización de AirGap Problema #1: espacio agotado en el almacén de datos Problema #2: actualización anterior Resolución de problemas básicos Problema #1: FQDN y servidor DNS Problema #2 - Problema con la CA raíz

Introducción

Este documento describe y se centra en cómo implementar con éxito la nube privada virtual (VPC) en servidores en el entorno ESXi. Para consultar otros documentos, como la guía de inicio rápido, la estrategia de implementación, la guía de derechos, la guía del usuario de la consola y del administrador, visite este sitio <u>Documentación</u>

Colaboración de Roman Valenta, ingenieros del TAC de Cisco.

Prerequisites

Requerimientos:

VMware ESX 5 o posterior

- Modo proxy de nube (solo): 128 GB de RAM, 8 núcleos de CPU (se recomiendan 2 CPU con 4 núcleos cada una) y 1 TB de espacio libre mínimo en el disco duro del almacén de datos VMware
- Tipo de unidades: SSD necesario para el modo Air Gap y recomendado para proxy
- Tipo de RAID: un grupo RAID 10 (duplicación a rayas)
- Tamaño mínimo del almacén de datos de VMware: 2 TB
- Lecturas aleatorias mínimas del almacén de datos para el grupo RAID 10 (4K): 60K IOPS

• Mínimo de escrituras aleatorias del almacén de datos para el grupo RAID 10 (4K): 30K IOPS Cisco le recomienda que tenga conocimiento acerca de este tema:

- Conocimientos básicos sobre cómo trabajar con certificados.
- Conocimientos básicos sobre cómo configurar DNS en un servidor DNS (Windows o Linux)
- Instalación de una plantilla de dispositivo virtual abierto (OVA) en VMWare ESXi

Utilizado en este LABORATORIO:

VMware ESX 6.5

- Modo proxy de nube (solo): 48 GB de RAM, 8 núcleos de CPU (se recomiendan 2 CPU con 4 núcleos cada una) y 1 TB de espacio libre mínimo en el almacenamiento de datos VMware
- Tipo de unidades: SATA
- Tipo de RAID: Un RAID 1
- Tamaño mínimo del almacén de datos de VMware: 1 TB
- MobaXterm 20.2 (programa multiterminal similar a PuTTY)
- Cygwin64 (se utiliza para descargar la actualización de AirGap)

Adicionalmente

- Certificado creado con openSSL o XCA
- Servidor DNS (Linux o Windows) En mi laboratorio usé Windows Server 2016 y CentOS-8
- Windows VM para el terminal de prueba
- Licencia

Si su memoria está por debajo de 48GB de RAM en la versión 3.2+ VPC se vuelven inutilizables.

Nota: El OVA de la nube privada crea las particiones de unidad por lo que no hay necesidad de especificarlas en el servidor VMWare. que resuelve el nombre de host de la interfaz limpia.

Consulte la <u>hoja de datos del dispositivo VPC</u> para obtener más información sobre los requisitos de hardware específicos de la versión.

Nota: La información de este documento se creó a partir de los dispositivos de un entorno de laboratorio específico. Todos los dispositivos que se utilizan en este documento se pusieron en funcionamiento con una configuración verificada (predeterminada). Si tiene una red en vivo, asegúrese de entender el posible impacto de cualquier comando.

Implementación de VPC

Seleccione la URL proporcionada en el correo electrónico de entrega electrónica o de autorización. Descargue el archivo OVA y continúe con la instalación

Instalación de VM

Paso 1:

Vaya a File > Deploy OVF Template para abrir el asistente Deploy OVF Template, como se muestra en la imagen.



1 New virtual machine - AMP-vPC

- 1 Select creation type
- ✓ 2 Select OVF and VMDK files

3 Select storage

- 4 License agreements 5 Deployment options
- 6 Additional settings
- 7 Ready to complete

vmware[®]

Select storage

Select the datastore in which to store the configuration and disk files.

The following datastores are accessible from the destination resource that you selected. Select the destination datastore for the virtual machine configuration files and all of the virtual disks.

| Name ~ | Capacity 🗸 | Free 🗸 | Type 🗸 🗸 | Thin pro \sim | Access 🗸 | |
|-------------|------------|----------|----------|-----------------|----------|---|
| vDisk-70_12 | 922.75 GB | 921.8 GB | VMFS5 | Supported | Single | ^ |
| vDisk-70_34 | 930.25 GB | 929.3 GB | VMFS5 | Supported | Single | |
| vDisk-70_56 | 930.25 GB | 929.3 GB | VMFS5 | Supported | Single | |
| vDisk-70_78 | 930.25 GB | 929.3 GB | VMFS5 | Supported | Single | Ŷ |
| | | | | | 4 items | |

Back

Finish

Next

Cancel

Nota: **Aprovisionamiento grueso** reserva espacio cuando se crea un disco. Si selecciona esta opción, puede mejorar el rendimiento con respecto a **Thin Provisioning**. Sin embargo, esto no es obligatorio. Ahora seleccione en **Next**, como se muestra en la imagen.

| 1 Select creation type 2 Select OVF and VMDK files 3 Select storage | Deployment options Select deployment options | | | | | |
|---|--|-------------|------------|---|---|--|
| 4 Deployment options 5 Ready to complete | Network mappings | VM Network | VM Network | < | • | |
| | Disk provisioning | ● Thin ○ Th | iick | | | |
| | | | | | | |
| | | | | | | |

Paso 2:

Seleccione **Browse...** para seleccionar un archivo OVA y, a continuación, seleccione en **Next**. Observe los parámetros OVA predeterminados en la página **OVF Template Details**, como se muestra en la imagen. Seleccione en **Next**.

| elect OVF and VMDK files elect storage | Ready to complete Review your settings selection before finishing the wizard | | | | | | |
|---|---|---|--|--|--|--|--|
| eployment options | Product | FireAMP PrivateCloud x86_64 | | | | | |
| | VM Name | AMP-vPC | | | | | |
| | Disks | PrivateCloud_3.2.0_202010082118_v6.5_signed- disk1.vmdk,PrivateCloud_3.2.0_202010082118_v6.5_signed- disk2.vmdk,PrivateCloud_3.2.0_202010082118_v6.5_signed- disk3.vmdk,PrivateCloud_3.2.0_202010082118_v6.5_signed-disk4.vmdk | | | | | |
| | Datastore | vDisk-70_12 | | | | | |
| | Provisioning type | Thin | | | | | |
| | Network mappings | VM Network: VM Network | | | | | |
| | Guest OS Name | Unknown | | | | | |
| m ware [*] | Do not refresh y | our browser while this VM is being deployed. | | | | | |

Configuración inicial de la interfaz de administración

| Select creation type Select OVF and VMDK files Select storage | Ready to complete Review your settings selection | before finishing the wizard |
|---|---|---|
| Deployment options Ready to complete | Product | FireAMP PrivateCloud x86_64 |
| | VM Name | AMP-vPC |
| | Disks | PrivateCloud_3.2.0_202010082118_v6.5_signed- disk1.vmdk,PrivateCloud_3.2.0_202010082118_v6.5_signed- disk2.vmdk,PrivateCloud_3.2.0_202010082118_v6.5_signed- disk3.vmdk,PrivateCloud_3.2.0_202010082118_v6.5_signed-disk4.vmdk |
| | Datastore | vDisk-70_12 |
| | Provisioning type | Thin |
| | Network mappings | VM Network: VM Network |
| | Guest OS Name | Unknown |
| vm ware | Do not refresh y | our browser while this VM is being deployed. |

Una vez que se inicia la VM, se realiza la configuración inicial a través de la consola de VM.

Paso 1:

Es posible que observe que la dirección URL muestra **[UNCONFIGURED]** si la interfaz no recibió una dirección IP del servidor DHCP. Tenga en cuenta que esta interfaz es la interfaz de **administración**. Esta no es la interfaz de **Producción**.

| :: Details , and the TAB key to toggle to cancel. return traffic only. |
|---|
| , and the TAB key to toggle to cancel. return traffic only. |
| to cancel. return traffic only. |
| to cancel. return traffic only. |
| return traffic only. |
| |
| |
| |
| 91 |
| |
| .0 |
| 91 |

Paso 2:

Puede desplazarse por las teclas Tab, Enter y Arrow.

Navegue hasta **CONFIG_NETWORK** y seleccione la tecla **Enter** en su teclado para comenzar la configuración de la dirección IP de administración para el Secure Endpoint Private Cloud. Si no desea utilizar DHCP, seleccione **No** y **Enter** key.

| AMP Private Cloud Advanced Malware Protection (ver. 3.2.0) |
|--|
| |
| |
| |
| |
| |
| |
| |
| Anternace com riguration House |
| Would you like to configure your interface with DHCP? |
| < Yes > CNO > |
| |
| |
| AMP Private Cloud Advanced Malware Protection (ver. 3.2.0) |
| |
| |
| |
| Main Menu - |
| Your AMP Private Cloud device can be managed at: |
| URL |
| MAC Address : 00:0c:29:a6:4a:11 Passuord : PG8d~HbCg7 |
| The pace production has been automatically generated for your You |
| will be required to change this password when you first login. |
| |
| CONFIG_NETWORK Configure the Web administration interface. CONSOLE Start command line console / shell. |
| INFO Display device status / information. |
| |
| |
| |

En la ventana que aparece, elija Yes y seleccione Enter key.

| Pr | ivate Cloud f | idvanced Ma | lware Protec | tion (ver. | 3.2.0) | | | |
|----|---------------|-------------|--------------|-------------|-------------|-------------|--------|--|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | Арр | ly Your Inte | erface Conf | iguration? | | 1 | |
| | Reconf igur | re your adm | inistration | interface (| with a stat | ic configur | ation? | |
| | | r | Z Voca N | , | N. X | | | |
| | L | | <u>res</u> | < | NO > | | | |
| | | | | | | | | |

Si la IP ya está en uso, se le tratará con este registro de errores. Solo tiene que volver y elegir algo que sea único y no esté en uso.

| ERROR | : [/etc/sysconfig/network-scripts/ifup-eth] | Error, | some | other | host | (00:0C:29:41:74:E3) a |
|----------------------|---|--------|-------|-------|-------|-----------------------|
| ERROR eadu uses | address 192.168.75.91. | Error, | some | other | host | (00:0C:29:41:74:E3) a |
| ERROR eady uses | : [/etc/sysconfig/network-scripts/ifup-eth] address 192.168.75.91. | Error, | some | other | host | (00:0C:29:41:74:E3) a |
| ======= ERROR: Th | e interface failed to reconfigure. | ====== | ===== | ===== | ===== | |

| - | Interface Configuration :: Details |
|----------------------------|--|
| Use the arrow | keys to move between fields, and the TAB key to toggle |
| between the f | orm fields and buttons. |
| Press the ENT | ER key when finished, or ESC to cancel. |
| *NOTE: Gatewa | u for administration nortal return traffic only |
| norn automa | |
| | |
| IP Address | |
| Network Mas Gatewau* (O | k : 255.255.255.0 mtional): 192.168.25.1 |
| Gateway* (O | ptional) : 192.168.75.1 |

Si todo va bien, verá un resultado similar a este

| | <pre>- execute semanage fcontextaddtype var_log_t "/data/log(/.*)?"</pre> |
|--------|--|
| × | execute Configure PokedLogs Jaction run |
| 2 | - execute Semanage recontextdaatype var_log_t /data/pokea(/.*); |
| 6 | - execute semanage fcontextaddtume var $\log t$ "/data/cloud/log((.*)?" |
| ж | execute[ConfigureEventLogs] action run |
| | - execute semanage fcontextaddtype var_log_t "/data/event_log_store(/.*)?" |
| × | execute[RestoreSELinuxFileContextData] action run |
| | – execute restorecom –R /data |
| Rec | ipe: base::ssh |
| * | template[/etc/ssh/sshd_config] action create |
| | - update content in file /etc/ssh/sshd_config from c85f41 to badlab |
| | /etc/ssh/sshd_config 2021-09-09 13:25:01.05995024 +0000 |
| | +++ /etc/ssn/.cnet-ssna_cont1g20210410-000-1ry0qx2 2021-04-10 00.13.11.000000 ++0000 |
| | |
| | #ListenAddress 0.0.0.0 |
| | #ListenAddress :: |
| | -ListenAddress 192.168.75.208 |
| | +ListenAddress 192.168.75.92 |
| | # The default requires explicit activation of protocol 1 |
| | Protocol 2 |
| | - restore selinux security context |
| * | template[/etc/ssh/ssh_config] action create (up to date) |
| × | service[ssh_server] action enable (up to date) |
| * n | servicelssh_server] action start (up to date) |
| кес | ipe: base::grub-cont |
| - | coordinate and if he have a static action of the total of the state of |
| * | execute[Ensure grub menu displays Cisco not CentIS] action run (skinned due to only if) |
| Rec | ipe: base::transparent-hugepages |
| × | execute[disable transparent hugepage] action run |
| | - execute echo never > /sys/kernel/mm/transparent hugepage/enabled |
| | |
| * | execute[disable transparent hugepage defrag] action run |
| × | execute[disable transparent hugepage defrag] action run - execute echo never > /sys/kernel/mm/transparent_hugepage/defrag |



Paso 3:

Espere hasta que aparezca de nuevo la pantalla azul con la nueva IP ESTÁTICA. Además, tenga en cuenta la **contraseña para una sola vez**. Tome nota y vamos a abrir nuestro navegador.

| <u>4.</u> | Malin Manu |
|---|--|
| Your AMP Private C | Cloud device can be managed at: |
| URL: MAC Address : Password : The password shown will be required t | https://192.168.75.92 00:0c:29:a6:4a:11 PG8d~HbCgZ n above has been automatically generated for you. You to change this password when you first login. |
| CONFIG_NETWOR CONSOLE INFO | Configure the Web administration interface. Start command-line console / shell. Display device status / information. 60% |
| | K OK > |

Configuración inicial de vPC mediante GUI web

Paso 1:

Abra un navegador web y navegue hasta la dirección IP de administración del dispositivo. Puede recibir un error de certificado cuando la nube privada de terminal seguro genere inicialmente su propio certificado HTTPS, como se muestra en la imagen. Configure el navegador para que confíe en el certificado HTTPS autofirmado de Secure Endpoint Private Cloud.

En el explorador, escriba la IP ESTÁTICA que configuró anteriormente.

| → C ^a û https://192.168.75.92 ◄ | 🖾 🧑 🏟 🗘 |
|---|---|
| 🛕 🕸 Most Visited 🛅 Cisco 🗎 Cisco WFH 🛅 Isaac 🐯 WHOIS 🛛 Ting Speedtest | - Spee 🚾 USD to CZK 🕅 Internet Banka – MON 🍝 dCloud 🗣 Google Translate: \ominus News Cisco dCloud 🙃 EC2 Management Con 🚹 Learning Linux 🍓 Is It Down ? |
| | |
| | |
| | Warning: Potential Security Risk Ahead |
| | Firefox detected a potential security threat and did not continue to 192.168.75.92. If you visit this site, attackers could try to steal information like your passwords, emails, or credit card details. |
| | What can you do about it? |
| | The issue is most likely with the website, and there is nothing you can do to resolve it. |
| | If you are on a corporate network or using anti-virus software, you can reach out to the support teams for assistance. You can also notify the website's administrator about the problem. |
| | Learn more |
| | Go Back (Recommended) Advanced |
| | |
| | |
| | Someone could be trying to impersonate the site and you should not continue. |
| | Websites prove their identity via certificates. Firefox does not trust 192.168.75.92 because its certificate issuer is unknown, the certificate is self-signed, or the server is not sending the correct intermediate certificates. |
| | Error code: SEC_ERROR_UNKNOWN_ISSUER |
| | View Certificate |
| | |

Paso 2:

Después de iniciar sesión, se le pedirá que restablezca la contraseña. Utilice la **contraseña inicial** de la consola en el campo **Contraseña Antigua**. Utilice la nueva contraseña en el campo **Nueva contraseña**. Vuelva a introducir la nueva contraseña en el campo **Nueva contraseña**. seleccione en **Cambiar contraseña**.

| Pa | ssword Rec | uired |
|----------------------|--|--|
| Auth devi devi | nentication is required ice. The password can ice. | to administer your AMP for Endpoints Private Cloud be found on the device console of your Private Cloud |
| a. | ••••• | Login Use one time password PG8d"HbCgZ |
| | This site is | best viewed in: Internet Explorer 10+, Firefox 14+, Safari 6+, or Chrome 20 Password Recover |

Paso 3:

Después de iniciar sesión, se le pedirá que restablezca la contraseña. Utilice la **contraseña inicial** de la consola en el campo **Contraseña Antigua**. Utilice la nueva contraseña en el campo **Nueva contraseña**. Vuelva a introducir la nueva contraseña en el campo **Nueva contraseña**. seleccione

en Cambiar contraseña.

| | | - F | Status - | Integrations - | Support - | | | - MI - |
|--------|---------------|----------------|-------------|----------------|-------------------|---------------------|----------|--------|
| 01 | assword Expir | ed 🚽 | | | | | | |
| | | | | | | | | |
| Chang | e the passw | ord used to | access the | AMP for E | ndpoints Private | Cloud Administratic | on Porta | al and |
| the de | vice console | . Note that th | his is also | the root pas | sword for your de | evice. 🧭 | | |
| | | | | | | | | |

| a. | ****** | Old one time password |
|----|--------|-----------------------|
| | | |
| 2. | ****** | |
| 2 | | |

Paso 4:

En la página siguiente, desplácese hacia abajo para aceptar el acuerdo de licencia. Seleccione **He leído y acepto**.

Paso 5:

Después de aceptar el acuerdo, aparece la pantalla de instalación, como se muestra en la imagen. Si desea restaurar desde una copia de seguridad, puede hacerlo aquí; sin embargo, esta guía continúa con la opción **Instalación limpia**. Seleccione en **Inicio** en la sección **Instalación limpia**.



Paso 6:

Lo primero que necesita es una licencia para seguir adelante. Al adquirir el producto, recibirá una licencia y una frase de contraseña. Seleccione en **+Cargar archivo de licencia**. Elija el archivo de licencia e introduzca la frase de paso. Seleccione en **Cargar licencia**. Si la carga no se realiza correctamente, compruebe que la frase de contraseña es correcta. Si la carga se realiza correctamente, se muestra una pantalla con información de licencia válida. Seleccione en **Siguiente.** Si sigue sin poder instalar la licencia, póngase en contacto con el soporte técnico de Cisco.



| Configuration - Operation | ns 🕶 Status 👻 In | tegrations - Support - | jau - | |
|---|---|-------------------------|-------------------|--|
| Clicense was successfull uploaded | y 🚽 | | | |
| nstallation Options Only the License section can be altered after installation. | License | • | | |
| Install or Restore | Device ID | | | |
| License Velcome Deployment Mode | E6Q | | | |
| AMP for Endpoints Console | | | | |
| Account | License | | | |
| Hardware Requirements | | | | |
| Configuration | Licensee | Roman Valenta rva | | |
| Network | and and before | | | |
| Date and Time | Business | Cisco - rvalenta | | |
| Certificate Authorities | | 395a6444 | | |
| Email | Validity | 2021-04-01 - 2025-12-31 | | |
| Notifications | 54 | | | |
| > Backup 🖌 🖌 | Product SKU | FP-AMP-CLOUD= | | |
| SSH | Seats | 50 | | |
| > Syslog 🗸 | The second se | 15. | | |
| > Updates 🗸 | | | | |
| Services | Replace License | | (click to expand) | |
| | | | | |
| Authentication | | | | |

Paso 7:

Recibirá la página de bienvenida, como se muestra en la imagen. Esta página muestra la información que debe tener antes de configurar la nube privada. Lea atentamente los requisitos. Seleccione en **Siguiente** para iniciar la configuración previa a la instalación.



Configuración

Paso 1:

Nota: Tenga en cuenta que en los siguientes conjuntos de diapositivas incluimos algunos exclusivos, como se muestra en la imagen, que son únicos solo en el modo AIR GAP, los cuales deben incluirse y marcarse como AIRGAP ONLY (SOLO AIRGAP)

| Configuration - C | Operations - Status - Integrations - Support | - 10 |
|---|--|--|
| Installation Options Only the License section car altered after installation. Install or Restore License | Deployment Mod Cloud proxy mode performs disposition lookup mode disables upstream communication with the disables upstream dominance of the displayer of the displayer | s against Cisco Cloud disposition servers. Standalone Cisco Cloud disposition servers and performs disposition |
| Welcome Deployment Mode AMP for Endpoints Conso Account | le Cloud Proxy | ✓ Standalone |
| Hardware Requirements Configuration Network Date and Time Certificate Authorities | Requires an Internet connection and communication with AMP for Endpoints Connectors managed by this device. Disposition queries are proxied to the Cisc Cloud. Content updates contain TETRA definition: | May require an Internet connection Communication with AMP for Endpoints Connectors managed by this device are needed. Disposition queries are handled by the Private Cloud device. Cloud device. |
| Upstream Proxy Server Email Notifications | Content and software updates can be retrived and applied automatically. | • Content updates contain 12 RA definitions as well as file disposition information. Updates may be downloaded separately or automatically on this device |

^{≫ ≫} SÓLO AIRGAP ^{≫ ≫}

| | 1150 | | | | |
|---|----------|--|--|---------|--|
| Configuration - C | Operatio | ns • Status • Integrations • Support • | Standalone |)## ··· | |
| Installation Options Only the License section car altered after installation. | n be | Deployment Mode | | | |
| > Install or Restore | ~ | Cloud proxy mode performs disposition lookups agains | st Cisco Cloud disposition servers. Standalone | mode | |
| > License | ~ | disables upstream communication with Cisco Cloud dis | sposition servers and performs disposition look | ips | |
| > Welcome | ~ | against a local database. | | | |
| > Deployment Mode | ~ | | | | |
| > Standalone Operation | | Cloud Proxy | Standalone | | |
| AMP for Endpoints Conso | le | | | | |
| Account | | Requires an Internet connection and | May require an Internet connection | | |
| > Hardware Requirements | | communication with AMP for Endpoints Connectors managed by this device. | Communication with AMP for Endpoints Connectors managed by this device are r | eeded. | |
| Configuration | | · Disposition queries are proxied to the Cisco | · Disposition queries are handled by the Pr | ivate | |
| > Network | | Cloud. | Cloud device. | | |
| > Date and Time | | Content updates contain TETRA definitions. | · Content updates contain TETRA definition | ns as | |
| > Certificate Authorities | | · Content and software updates can be retrieved | well as file disposition information. | | |
| > Upstream Proxy Server | ~ | and applied automatically. | Updates may be downloaded separately downloaded separ | or . | |
| > Email | ~ | | automatically on this device. | | |
| > Notifications | | | | | |
| > Backup | ~ | | | | |
| > SSH | | | | | |
| > Syslog | ~ | | | | |
| A 11 1 1 1 | | | | | |



🚕 🗢 AIRGAP SOLAMENTE 🚕 🚕

Paso 2:

Vaya a la página Secure Endpoint Console Account. La consola utiliza un usuario administrativo para crear directivas, grupos de equipos y agregar usuarios adicionales. Introduzca el nombre, la dirección de correo electrónico y la contraseña de la cuenta de consola. Seleccione en **Siguiente**.

| Configuration - C | Operations • | • Status • | ntegrations + Supp | + root | 100 · |
|---|--------------|--|---|---|------------------------------|
| Installation Options Only the License section can altered after installation. | n be | AMP fo | r Endpo | ints Consol | le Account |
| Install or Restore License Welcome | • C | Configure the initial nain interface for yo | account for the AMP fo our AMP for Endpoints | or Endpoints Console. The AMP f Private Cloud. | for Endpoints Console is the |
| > Deployment Mode | ~ | Name | Roman | Valenta | |
| Console Account Hardware Requirements | | Business Name | Cisco - rvalenta | | |
| Configuration | | C | rval com | (j. | |
| Network Date and Time | | Email Address | rval | | |
| Certificate Authorities Upstream Proxy Server | ~ | Deserved | •••••• | | |
| Cisco Cloud Email Notifications | ~ | Password | ••••• | | |
| > Backup | * | | | | |
| SSH Syslog | ~ | | | | Next > |
| > IIndates | ~ | | | | |

Si se ejecuta en este problema cuando implementa desde el archivo OVA, entonces tiene dos opciones, continuar y corregir este problema más tarde o apagar entonces para su VM implementada y ajustar en consecuencia. Después de reiniciar, continúe por donde se fue.

Nota: Esto se corrigió en el archivo OVA para la versión 3.5.2 que se carga correctamente con 128 GB de RAM y 8 núcleos de CPU

CISCO AMP for Endpoints Private Cloud Administration Portal

| Support Frieip Cr Logour | Support | ? Help | C+ Logout |
|--------------------------|---------|--------|-----------|
|--------------------------|---------|--------|-----------|

Configuration - Operations - Status - Integrations - Support -

)RI -

| Installation Options Only the License section can I altered after installation. | be | Hardwa | re Require | ements |
|--|--|---|--|---|
| Install or Restore License Welcome Deployment Mode AMP for Endpoints Console Account Hardware Requirements Configuration | >>>> > > > > > > > > > > > > > > > > > | A Hardward Your current con It is recommended or exceed the ministability. | e Requirements Not I figuration does not meet th ed that you shutdown this o nimum requirements. If you | Net e hardware requirements. levice and adjust its hardware allocation to meet a proceed, you may experience system |
| > Network | | Hardware Config | uration | |
| Network Date and Time Certificate Authorities | | Hardware Config | Installed | Minimum Required |
| Network Date and Time Certificate Authorities Upstream Proxy Server Cisco Cloud | ~ | Hardware Config | uration Installed 4 | Minimum Required |
| Network Date and Time Certificate Authorities Upstream Proxy Server Cisco Cloud Email Notifications | * * | Hardware Config CPU Cores Memory | Installed 4 125 GB | Minimum Required 8 128 GB |

Nota: Utilice sólo los valores recomendados, a menos que se trate de un análisis de laboratorio

| 🔜 Add hard disk 🛛 🎫 Add netw | ork adapter 🛛 😑 Add other device | | | |
|------------------------------|----------------------------------|-------|--------------------------|---------|
| CPU | 8 🔹 🚺 🔫 | | - | |
| Memory | 131072 MB • | | - It will work with 48Gb | as well |
| Hard disk 1 | 376.52343 MB 🔻 | | | 6 |
| Hard disk 2 | 17.272949 GB 🔻 | | | 6 |
| Hard disk 3 | 1.7216082 TB V | | | 6 |
| Hard disk 4 | 4.765625 GB 🔻 | | | e |
| SCSI Controller 0 | LSI Logic Parallel | * | | 6 |
| Network Adapter 1 | VM Network | ▼ ⊻ c | onnect | 6 |
| Network Adapter 2 | VM Network | ▼ | onnect | 6 |
| SCD/DVD Drive 1 | Host device | • _ C | onnect | 6 |
| 🕨 🛄 Video Card | Specify custom settings | • | | |

Una vez reiniciados continuamos donde nos fuimos.

| Anstallation Options Inly the License section can be tered after installation. Install or Restore License Welcome Deployment Mode Account Hardware Requirements Configuration Network Date and Time Certificate Authorities Upstream Proxy Server Cisco Cloud Email | Hardware Ro our current configura | e Require ration meets or exceed | ements Is the hardware requir | ements. | | |
|--|---|-------------------------------------|----------------------------------|----------|--|---|
| Install or Restore | Hardware Repour current configure ware Configura | ation | is the hardware requir | ements. | | |
| AMP for Endpoints Console Account Hardware Requirements Configuration Network Date and Time Certificate Authorities Upstream Proxy Server ✓ Cisco Cloud Email ✓ | vare Configura | ation | | | | |
| Hardware Requirements Configuration Network Date and Time Certificate Authorities Upstream Proxy Server Cisco Cloud Email | | Installed | | | | |
| Configuration Network Date and Time Certificate Authorities Upstream Proxy Server Cisco Cloud Email | | | Minimum B | equired | | |
| Network CPU (Date and Time Memory Certificate Authorities Upstream Proxy Server ✓ Cisco Cloud Email ✓ | | motanou | | loquirou | | |
| Date and Time Memo Certificate Authorities V Upstream Proxy Server ✓ Cisco Cloud Email ✓ | Cores | 8 | 8 | | | |
| Certificate Authorities IVIemo Upstream Proxy Server Cisco Cloud Email | | 105.00 | 100.00 | | | |
| Upstream Proxy Server 🖌 Cisco Cloud Email | ory | 125 GB | 128 GB | | | |
| Cisco Cloud | | | | | | |
| Email 🗸 | | | | | Next | > |
| | | | | | C. C | |
| Notifications | | | | | | |
| Backup 🖌 | | | | | | |
| SSH SSH | | | | | | |
| Syslog 🗸 | | | | | | |

Asegúrese también de configurar ETH1 con IP ESTÁTICA.

Nota: Nunca debe configurar el dispositivo para utilizar DHCP a menos que haya creado reservas de direcciones MAC para las interfaces. Si las direcciones IP de sus interfaces cambian, esto puede causar serios problemas con los Secure Endpoint Connectors implementados. Si no ha configurado el servidor DNS, puede utilizar DNS público **temporal** para finalizar la instalación.

Paso 3:

A Configuration - Operations - Status - Integrations - Support -

| Support | ? Help | € Logout |
|---------|--------|----------|
| | | 9 |

)RI -

| | Notwork | Configuration |
|--|---|--|
| Only the License section can be altered after installation. | Network | Comguration |
| > Install or Restore 🗸 🗸 | Clicking Next will | apply your interface configuration before validating your settings. If using |
| > License 🗸 | DHCP a release/r | renew will be performed to obtain the reserved DHCP lease |
| > Welcome 🖌 🗸 | billor, a locaber | chew will be performed to obtain the reserved biller reade. |
| > Deployment Mode 🖌 🗸 | | |
| AMP for Endpoints Console | Administration Porta | al eth0 / 00:0C:29:A6:4A:11 |
| > Hardware Requirements 🛛 🗸 | | IP Assignment 192, 168, 75, 92 |
| Configuration | | More details |
| > Network 🗸 | | |
| > Date and Time | | |
| > Certificate Authorities | Interface Configurat | tion eth1 / 00:0C:29:A6:4A:1B |
| > Upstream Proxy Server 🖌 | garas | |
| Cisco Cloud | | IP Assignment 192 168 75 209 |
| 🕨 Email 🗸 🗸 | | in Assignment 152.100.10.200 |
| Notifications | | More details |
| 🕨 Backup 🗸 🗸 | | |
| > SSH | | ID Assignment Static |
| > Syslog 🗸 🗸 | | IP Assignment |
| > Updates 🗸 | | IP Address 192.168.75.93 |
| - | | Check for IP Address conflicts |
| Services | | |
| Services Authentication | | Cubert Mark Ors ors ors o |
| Services Authentication AMP for Endpoints Console | | Subnet Mask 255.255.255.0 |
| Services Authentication AMP for Endpoints Console Disposition Server | | Subnet Mask 255.255.255.0 |
| Services Authentication AMP for Endpoints Console Disposition Server Disposition Server | | Subnet Mask 255.255.255.0 Gateway 192.168.75.1 |
| Services Authentication AMP for Endpoints Console Disposition Server Disposition Server Extended Protocol | | Subnet Mask 255.255.255.0 Gateway 192.168.75.1 |
| Services Authentication AMP for Endpoints Console Disposition Server Disposition Server Extended Protocol Disposition Update | | Subnet Mask 255.255.255.0 Gateway 192.168.75.1 |
| Services Authentication AMP for Endpoints Console Disposition Server Extended Protocol Disposition Update Service | DNS | Subnet Mask 255.255.255.0 Gateway 192.168.75.1 |
| Services Authentication AMP for Endpoints Console Disposition Server Extended Protocol Disposition Update Service Firepower Management | DNS | Subnet Mask 255.255.255.0 Gateway 192.168.75.1 |
| Services Authentication AMP for Endpoints Console Disposition Server Extended Protocol Disposition Update Service Firepower Management Center | DNS Primary DNS Server | Subnet Mask 255.255.0 Gateway 192.168.75.1 |
| Services Authentication AMP for Endpoints Console Disposition Server Extended Protocol Disposition Update Service Firepower Management Center Other | DNS Primary DNS Server | Subnet Mask 255.255.255.0 Gateway 192.168.75.1 8.8.8.8 Use public DNS temporary. |
| Services Authentication AMP for Endpoints Console Disposition Server Extended Protocol Disposition Update Service Firepower Management Center Other Recovery | DNS Primary DNS Server Secondary DNS Server | Subnet Mask 255.255.255.0 Gateway 192.168.75.1 8.8.8.8 Use public DNS temporary. |

Paso 4:

Aparecerá la página Fecha y hora. Introduzca las direcciones de uno o varios servidores NTP que desee utilizar para la sincronización de fecha y hora. Puede utilizar servidores NTP internos o externos y especificar más de uno mediante una lista delimitada por comas o espacios. Sincronice la hora con su navegador o ejecute amp-ctl ntpdate desde la consola del dispositivo para forzar una sincronización de hora inmediata con sus servidores NTP. Seleccione en **Siguiente.**

| All of the form of | rify hostname resolu Nex | tELP tion |
|--|--|--------------|
| License section can be fter installation. or Restore yment Mode or Endpoints Console int varation ork and Time cate Authorities am Proxy Server Cloud ations p COAIRGAP | er rify hostname resolu Nex | tELP tion |
| or Restore wrester | e P | iELP tion |
| me yment Mode or Endpoints Console unt uration and Time cate Authorities sam Proxy Server Cloud ations p COAIRGAP ♥♥♥ | rify hostname resolu Nex | tion t |
| vare Requirements uration urk and Time cate Authorities eam Proxy Server Cloud ations p O AIRGAP V V | Nex | |
| uration ork and Time cate Authorities sam Proxy Server Cloud ations p O AIRGAP VVV | Nex | |
| and Time cate Authorities sam Proxy Server ↓ Cloud sations p ↓ O AIRGAP ♥ ♥ | Nex | () |
| Cloud | Nex | D. |
| ations p O AIRGAP ~~~ | Nex | |
| o AIRGAP 💝 💝 | Nex | |
| O AIRGAP 🌱 🌱 | | |
| O AIRGAP 🌱 🛩 | | |
| MP for Endpoints Private Cloud Administration Portal | ? Help 🕞 Logo | ut |
| juration * Operations * Status * Integrations * Support * | tandalone 💌 - | |
| on Options | | |
| r installation, Prepare amp-sync | | |
| Restore You will need to load a snapshot of the Protect DB and retrieve the latest AMP updates from device has finished installing in air gap mode. Cisco provides a shell script called amp-synce the updates and build an ISO file that you can then mount on your AMP device | m Cisco after your c that will retrieve | |
| here the devices and bala an iso ne that you can men hour on your and device. It is suggested that you begin the download process now since the initial update is very larg | ge. | |
| Endpoints Console | Next > | |
| re Requirements 🗸 | / | |
| | | |
| ation | | |
| auon | | |
| ation d Time | | |

AIRGAP SOLAMENTE

Paso 5:

> Notifications > Backup > SSH > Syslog

> Updates

Aparece la página Autoridades de certificados, como se muestra en la imagen. Seleccione en **Agregar autoridad certificadora** para agregar su certificado raíz.



Paso 6:

El siguiente paso es configurar la página Cisco Cloud, como se muestra en la imagen. Seleccione la **región** de la nube de Cisco adecuada. Expanda **Ver nombres de host** si necesita crear excepciones de firewall para su dispositivo Secure Endpoint Private Cloud para comunicarse con la nube de Cisco para búsquedas de archivos y actualizaciones de dispositivos. Seleccione en **Siguiente**.

| 4 Configuration - Operations - Otatus - Integrations - Operations | | | |
|--|---|----------|--|
| Configuration - Operation | ons • Status • Integrations • Support • | | |
| Installation Options Only the License section can be altered after installation. | Cisco Cloud | | |
| Install or Restore License Welcome | Cisco Cloud Configuration | | |
| > Deployment Mode | Region | | |
| AMP for Endpoints Console Account | Cisco Cloud, North America | <u>~</u> | |
| Configuration | View Hostnames (click to expand) | | |
| > Network > Date and Time > Certificate Authorities | Cisco Cloud Identity | | |
| Upstream Proxy Server Cisco Cloud | Client Identity | | |
| > Email Notifications | ≜ 0f476ea8 | | |
| > Backup ✓ | | | |
| System V | | | |

Paso 7:

Vaya a la página de notificaciones, como se muestra en la imagen. Seleccione la frecuencia de las notificaciones críticas y regulares. Introduzca las direcciones de correo electrónico a las que desea que se envíen notificaciones de alerta para el dispositivo de terminal seguro. Puede utilizar alias de correo electrónico o especificar varias direcciones mediante una lista separada por comas. También puede especificar el nombre del remitente y la dirección de correo electrónico que utiliza el dispositivo. Estas notificaciones no son las mismas que las suscripciones de Secure Endpoint Console. También puede especificar un nombre de dispositivo único si tiene varios dispositivos de nube privada de terminal seguro. Seleccione en **Siguiente**.



A continuación, acceda a la página SSH Keys (Claves SSH), como se muestra en la imagen. Seleccione en **Agregar clave SSH** para introducir cualquier clave pública que desee agregar al dispositivo. Las claves SSH le permiten acceder al dispositivo a través de un shell remoto con privilegios de root. Sólo los usuarios de confianza deben tener acceso. El dispositivo de nube privada requiere una clave RSA con formato OpenSSH. Puede agregar más claves SSH más adelante mediante **Configuration > SSH** en el portal de administración. Seleccione en **Siguiente**.

| AMP for Endpoints | Private Cloud Administration Portal | Announcements ? Help 🕞 Logout |
|------------------------------|-------------------------------------|-------------------------------|
| Configuration - Operations - | Status • Integrations • Support • | 🖌 Standalone 🔽 🗾 |
| O Maintenance Mode | Sanity Check Failing | |

This page allows you to add and remove SSH keys on your Cisco AMP for Endpoints Private Cloud device. SSH keys allow administrators remote root authentication to the device. Only trusted users should be granted access.

| Windows PuTTY | | |
|--|--|--------|
| 2021-11-17 23:01:01 +0000 created 20 days ago | 2021-11-17 23:01:01 +0000 20 days since last update | C Edit |

A continuación, accederá a la sección Servicios. En las páginas siguientes, debe asignar nombres de host y cargar los pares de certificado y clave adecuados para estos servicios de dispositivos. En las siguientes diapositivas podemos ver la configuración de uno de los 6 certificados.

Services

Paso 1:

Durante el proceso de configuración, es posible que se ejecute en estos errores.

El primer "error" que observe se resalta con las 3 flechas. Para omitir esto simplemente desmarque "**Desactivar verificación TLS estricta**"



Sin verificación TLS estricta

| Configuration • Operations | s • Status • Integrations • Support • | · · |
|--|---|--|
| Installation Options Only the License section can be altered after installation. | Authentication Co | nfiguration |
| > Install or Restore 🗸 | Authentication Hostname | 0.000 |
| > License 🗸 | | U HELF |
| Welcome Deployment Mode AMP for Endpoints Console Account | vPC2-Authentication.cyberworld.local | Validate DNS Name |
| > Hardware Requirements | Authentication Certificate | e Strict TLS Check Undo Replace Certificate |
| Configuration | | |
| > Network 🖌 | Certificate (PEM .crt) | <pre> Key (PEM .key) </pre> |
| > Date and Time | | |
| Certificate Authorities | Certificate file has been uploaded. | Key file has been uploaded. |
| Upstream Proxy Server | | |
| Email | Certificate is in a readable format. | Key contains a supported key type. |
| > Notifications | | |
| > Backup | Certificate start and end dates are valid. | Key contains public key material. |
| > SSH 🖌 | | |
| > Syslog 🗸 | Certificate contains a subject. | Key contains private key material. |
| > Updates 🖌 🖌 | | |
| Services | O Certificate contains a common name. | Key contains a public key matching the uploaded certificate. |
| > Authentication | Certificate contains a public key | |
| AMP for Endpoints Console Dispessition Service | matching the uploaded key. | PC2 Authentiantia + Change Key |
| Disposition Server | | T Choose Key |
| Extended Protocol | Certificate matches hostname. | T |
| Disposition Update | | |
| Service | Certificate is signed by a trusted root | vPC2-Authentication.cyberworld.local.pem |
| Firepower Management | autnonty. | |
| Center | | |
| Other | VPC2-Authenticatic + Choose Certificate | vPC2-Authentication.cyberworld.local.crt |
| Recovery | | |
| Review and Install | | |
| | | |

Paso 2:

El siguiente error que aparece es si deja la opción "Validar nombre DNS" activada. Aquí tiene dos opciones.

#1: Desactive la marca de verificación Validar DNS

#2: Vuelva a su servidor DNS y configure el resto de los registros de host.



Ahora repita el mismo proceso cinco veces más para el resto de los certificados.

Autenticación

- El servicio de autenticación se puede utilizar en versiones futuras de la nube privada para gestionar la autenticación de usuarios.

Consola de terminal segura

- Consola es el nombre DNS donde el administrador de Secure Endpoint puede acceder a la consola de Secure Endpoint y los conectores de Secure Endpoint reciben nuevas políticas y actualizaciones.

Servidor de disposición

- Servidor de disposición es el nombre DNS donde los conectores de terminal seguro envían y recuperan la información de búsqueda en la nube.

Servidor de disposición - Protocolo extendido

- Servidor de disposición: el protocolo extendido es el nombre DNS donde los nuevos conectores de terminal seguro envían y recuperan la información de búsqueda en la nube.

Servicio de actualización de disposición

- El servicio de actualización de disposición se utiliza cuando se enlaza un dispositivo Cisco Threat Grid a un dispositivo de nube privada. El dispositivo Threat Grid se utiliza para enviar archivos para su análisis desde Secure Endpoint Console y Disposition Update Service se utiliza en Threat Grid para actualizar la disposición *(limpia o malintencionada)* de los archivos una vez analizados.

Centro de administración FirePOWER

-El enlace a Firepower Management Center le permite vincular un dispositivo Cisco Firepower Management Center (FMC) a su dispositivo de nube privada. Esto le permite mostrar datos de terminales seguros en el panel de FMC. Para obtener más información sobre la integración de FMC con un terminal seguro, consulte la documentación de FMC.

Precaución: los nombres de host no se pueden cambiar una vez que el dispositivo ha finalizado la instalación.

Anote los nombres de host necesarios. Debe crear seis registros A de DNS únicos para la nube privada de terminal seguro. Cada registro apunta a la misma dirección IP de la interfaz de Virtual Private Cloud Console (eth1) y deben resolverse tanto en la nube privada como en el terminal seguro.

Paso 3:

En la página siguiente, descargue y verifique Recovery File.

Usted obtiene la página de recuperación, como se muestra en la imagen. Debe descargar y verificar una copia de seguridad de la configuración antes de iniciar la instalación. El archivo de recuperación contiene toda la configuración, así como las claves del servidor. Si pierde un archivo de recuperación, no podrá restaurar la configuración y tendrá que volver a instalar todos los conectores de Secure Endpoint. Sin una clave original, tendrá que volver a configurar toda la infraestructura de nube privada con nuevas claves. El archivo de recuperación contiene todas las configuraciones relacionadas con el portal opadmin. El archivo de copia de seguridad contiene el contenido del archivo de recuperación, así como cualquier dato del portal del panel, como eventos, historial de conectores, etc. Si desea restaurar solo el opadmin sin los datos del evento y todo, puede utilizar el archivo de recuperación. Si restaura desde el archivo de copia de seguridad, se restaurarán los datos de opadmin y del portal de paneles.

Seleccione en **Descargar** para guardar la copia de seguridad en el ordenador local. Una vez descargado el archivo, seleccione en **Choose File** para cargar el archivo de copia de seguridad y verificar que no esté dañado. Seleccione en **Siguiente** para verificar el archivo y continuar.



Start Installation

/ Edit

^{≫ ♥} SÓLO AIRGAP ^{♥ ♥}

Other

> Review and Install

Start Installation

Recovery

Uploaded Recovery File Matches Current Settings

~

| Configuration - Operatio | ons - Status - Integra | tions - Support - | Standalone | 100 | • |
|--|--|---|---|--------|---|
| Installation Options Inly the License section can be Rered after installation. Install or Restore License Velcome Velcome Velcome | Review the following inform installation. Note that the o | nd Install nation and, once you are satisfied with y configuration shown below cannot be al | your configuration settings, begir tered after installation. | the | |
| Deployment Mode Standalone Operation AMP for Endpoints Console Account Hardware Requirements Configuration | | Clean Installatio | n med. | | |
| Network | Installation Type | | | e Edit | |
| Certificate Authorities | | | | Edit | |
| Prepare amp-sync Email Notifications Backup SSH Syslog Updates | Standalone Air Gap Does not require 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 must be downloaded separately and applied to this Private Cloud device. | | | | |
| ervices | | | | | |
| Authentication | AMP for Endpoints Con | nsole Account | 8 | Edit | |
| Disposition Server | Name | Roman Valenta | | | |
| Extended Protocol | Email Address | rvalennen m | | | |
| Service Firepower Management | Business Name | Cisco vamrodia PC v2 | | | |
| Center | | | | | |
| other | Recovery | | 6 | Edit | |
| Recovery ✓ | Uploaded Recovery File M | Matches Current Settings | | | |
| and the second state of th | | | | | |

 \Rightarrow \Rightarrow AIRGAP SOLAMENTE \Rightarrow \Rightarrow

Se ve una entrada similar como esta...

Precaución: cuando se encuentre en esta página, no realice la actualización, ya que puede causar problemas.

The device is installing...

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

| II State | 🛗 Started | 🛗 Finished | O Duration | |
|----------|--|---------------|---------------|--|
| | Sat Apr 10 2021 13:36:08 GMT-0400 (Eastern Daylight Time) 0 day, 0 hour, 0 minute, 14 seconds ago | O Please wait | O Please wait | |

Your device will need to be rebooted after this operation.

| Output | |
|---|---|
| chunk | |
| 021-04-10T17:36:20+00:00] DEBUG: Chef::HTTP::StreamHandler calling Chef::HTTP::Decompressor::NoopInflater#handle_chunk | |
| 021-04-10T17:36:20+00:00] DEBUG: Chef::HTTP calling Chef::HTTP::Decompressor#handle_request | |
| 021-04-10T17:36:20+00:00] DEBUG: Chef::HTTP calling Chef::HTTP::Authenticator#handle_request | |
| 021-04-10T17:36:20+00:00] DEBUG: Chef::HTTP calling Chef::HTTP::RemoteRequestID#handle_request | |
| 021-04-10T17:36:20+00:00] DEBUG: Chef::HTTP calling Chef::HTTP::ValidateContentLength#handle_request | |
| 021-04-10T17:36:20+00:00] DEBUG: Chef::HTTP calling Chef::HTTP::ValidateContentLength#handle_stream_complete | |
| 021-04-10717:36:20+00:00] DEBUG: HTTP server did not include a Content-Length header in response, cannot identify truncated dow | |
| .oads. | |
| 021-04-10T17:36:20+00:00] DEBUG: Chef::HTTP calling Chef::HTTP::RemoteRequestID#handle_stream_complete | |
| 021-04-10T17:36:20+00:00] DEBUG: Chef::HTTP calling Chef::HTTP::Authenticator#handle_stream_complete | |
| 021-04-10T17:36:20+00:00] DEBUG: Chef::HTTP calling Chef::HTTP::Decompressor#handle_stream_complete | |
| 021-04-10T17:36:20+00:00] DEBUG: Chef::HTTP calling Chef::HTTP::CookieManager#handle_stream_complete | |
| 021-04-10T17:36:20+00:00] DEBUG: Chef::HTTP calling Chef::HTTP::JSONOutput#handle_stream_complete | |
| 021-04-10T17:36:20+00:00] DEBUG: Chef::HTTP calling Chef::HTTP::JSONInput#handle_stream_complete | |
| 021-04-10T17:36:20+00:00] INFO: Storing updated cookbooks/rabbitmq/recipes/default.rb in the cache. | 1 |
| 021-04-10T17:36:20+00:00] DEBUG: Creating directory /var/run/cookbooks/rabbitmq/recipes | |
| ▲ Download Output | |

Una vez finalizada la instalación, pulse el botón de reinicio

The device is installing...

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

| II State | 🛗 Started | ∰ Finished | O Duration |
|---------------------------|--|---|---------------------------------------|
| ✓ Successful | Sat Apr 10 2021 13:36:08 GMT-0400 (Eastern Daylight Time) 0 day, 0 hour, 24 minutes, 14 seconds ago | Sat Apr 10 2021 13:57:05 GMT-0400 (Eastern Daylight Time) 0 day, 0 hour, 3 minutes, 17 seconds ago | 0 day, 0 hour, 20 minutes, 57 seconds |
| | Your device will need to be | rebooted after this operation. | |
| ■ Output | | | |
| [2021-04-10T17:57:04+00: | 00] INFO: Running report handlers | | ^ |
| [2021-04-10117:57:04+00:0 | 00] INFO: Report handlers complete | | |
| [2021-04-10117:57:04+00:0 | 00] DEBUG: Server doesn't support resource | e history, skipping resource report | t. |
| [2021-04-10117:57:04+00: | 00] DEBUG: Audit Reports are disabled. Sk. | ipping sending reports. | |
| [2021-04-10117:57:04+00: | 00] DEBUG: Forked instance successfully P | eaped (pid: 2552) | |
| Conding system potificat | ion (this may take some time) | | |
| Bunning system hotricat | d 40 retries remaining | | |
| Running recryable commany | u, 40 recries remaining. | | |
| Chef run finished succes | sfully | | |
| | | | |
| Registration against the | AMP for Endpoints Disposition Server has | previously succeeded. | |
| | | | |
| Installation | has finished successfully! Please reboo | t! | |
| | | | |
| | | | * |
| | 🕹 Downle | oad Output | |



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 | f Started | ☆ Finished | O Duration |
|--------------|--|--|---------------------------------------|
| ✓ Successful | Tue Nov 02 2021 14:46:30 GMT-0400 (Eastern Daylight Time) 0 day, 0 hour, 21 minutes, 21 seconds ago | Tue Nov 02 2021 15:07:02 GMT-0400 (Eastern Daylight Time) 0 day, 0 hour, 0 minute, 49 seconds ago | 0 day, 0 hour, 20 minutes, 32 seconds |
| | Your device will need to be Rel | rebooted after this operation. | |
| | | | |

| [2021-11-02T19:07:01+00:00] INFO: Report handlers complete | |
|---|---|
| [2021-11-02T19:07:01+00:00] DEBUG: Server doesn't support resource history, skipping resource report. | |
| [2021-11-02T19:07:01+00:00] DEBUG: Audit Reports are disabled. Skipping sending reports. | |
| [2021-11-02T19:07:01+00:00] DEBUG: Forked instance successfully reaped (pid: 29292) | |
| [2021-11-02T19:07:01+00:00] DEBUG: Exiting | |
| Sending system notification (this may take some time). | |
| Running retryable command, 40 retries remaining. | |
| | |
| Chef run finished successfully | |
| | |
| Registration is not possible in air gap mode. | |
| | |
| | |
| Installation has finished successfully! Please reboot! | |
| | |
| | |
| | • |
| La Download Output | |
| | |

\sim \sim AIRGAP SOLAMENTE \sim \sim

Una vez que el dispositivo se haya iniciado por completo, la próxima vez que inicie sesión con la interfaz de administración, se le mostrará este panel. Usted puede notar alto CPU al principio, pero si usted da unos minutos se asienta abajo.

| CISCO AMP for Endpoints Private Clou | d Administration Portal | Support Announcements ? | Help 🕞 Logout |
|---------------------------------------|--------------------------|-------------------------|---------------|
| Configuration - Operations - Status - | Integrations - Support - | |)# <u>*</u> • |
| Key Metrics | | | |
| CPU Usage | Memory Usage | Cisco Cloud Query Failu | re Rate |
| 98. | 18 | 0. | |
| | → Details | → Details | |
| Cisco Cloud Query Latency | Fullest Partition : root | Active Connection | 15 |
| Oms | 60. | 0 | |
| ← Details | | r Details | |

Después de unos minutos...



Desde aquí, acceda a la consola de Secure Endpoint. Haga clic en el pequeño icono que parece fuego en la esquina derecha junto a la bandera.



[™] [™] SÓLO AIRGAP [™] [™]

Como puede ver, fallamos en la comprobación de integridad debido a **DB Protect Snapshot**, también a las definiciones de cliente, DFC y Tetra. Esto debe hacerse mediante una actualización sin conexión a través de un archivo ISO descargado previamente preparado mediante **amp-sync** y cargado en la máquina virtual o almacenado en la ubicación NFS.



Key Metrics





Paquete de actualización de AirGap

Por primera vez tenemos que utilizar este comando para recibir el Protect DB

./amp-sync all

Nota: Descargue todos los paquetes a través de este comando y luego verifique que podría tardar **más de 24 horas**. Depende de la velocidad y de la calidad del link. En mi caso, con fibra de 1 giga, todavía se tarda casi 25 horas en completarse. En parte, esto también se debe al hecho de que esta descarga es directamente desde AWS y, por lo tanto, se limita. Por último, tenga en cuenta que esta descarga es bastante grande. En mi caso el archivo descargado era de **323GB**.

En este ejemplo hemos utilizado CygWin64

1. Descargue e instale la versión x64 de Cygwin.

2. Ejecute setup-x86_64.exe y siga el proceso de instalación para elegir todos los valores predeterminados.

- 3. Seleccione un espejo de descarga.
- 4. Seleccione los paquetes que desea instalar:
- Todo -> Red -> rizo

Todos -> Utils -> genisoimage

- Todos -> Utils -> xmlstarlet
- * VPC 3.8.x up > xorriso

| <pre>S./amp-sync all</pre> | Jser@VMStation-1 ~ |
|--|--|
| DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/MOTD WOND for today, nothing to download. Continuing DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/MOTD-AmpSync-1.0.7 with NOTD for today, nothing to download. Continuing DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/MOTD-AmpSync-1.0.7-prod WOND for today, nothing to download. Continuing DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/MOTD-AmpSync-1.0.7-prod WoND for today, nothing to download. Continuing DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/Formation Notal % Received % Xferd Verage Speed Time Time Time Current Dload Upload Total Spent Left Speed Dload Upload Total Spent VoNNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/831687a:36485e8a82aa3b568226cdfdff10d0bblcb240875ee43a89240ea0-other.sqlite.bz2 % Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed Dload Upload Total Spent Left Speed D00 1131 100 1131 0 0 9564 0 0.520.com/PrivateCloud/3.2.0/prod/repodata/2249a768b71ee153ble870c76fd20c9238a89c7d7e277956bbcbc22f41d8-filelists.xml.gz % Total % Received % Xferd | s./amp-sync all |
| <pre>No MOID for today, nothing to download. Continuing DOWNLOAD https://cr-gatages.amp.cisco.com/PrivateCloud/3.2.0/MOID-AmpSync-1.0.7 to MOID for today, nothing to download. Continuing DOWNLOAD https://cr-gatages.amp.cisco.com/PrivateCloud/3.2.0/MOID-AmpSync-1.0.7-prod to MOID for today, nothing to download. Continuing X Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed DO 1331 100 11331 0 0 1594 0</pre> | DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/MOTD |
| XOMNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/MOTD-AmpSync-1.0.7 XOM NOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/MOTD-AmpSync-1.0.7-prod XOMNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/repond.xml XOMNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/repond.xml XOMNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/repond.xml XOMNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/81867 XOMNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/818678ca364885e8a52aa3b568226cdfdff10d0bb1cb240875ee43a89240ea0-other.sqlite.bz2 XOMNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/818678ca54885e8a52aa3b568226cdfdff10d0bb1cb240875ee43a89240ea0-other.sqlite.bz2 Xotal % Received % Xferd Average Speed Time Time Time Current Dioad Upload Total Spent Left Speed Time Time Current Xotal % Received % Xferd Average Speed Time Time Current Dioad Dioa | No MOTD for today, nothing to download. Continuing |
| <pre>No MOTD for today, nothing to download. Continuing DOWNLOAD https://pc.packages.amp.cisco.com/PrivateCloud/3.2.0/MoTD-AmpSync-1.0.7-prod to MOTD for today, nothing to download. Continuing WNNLOAD https://pc.packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/repond.xml % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 2991 100 2991 0 0 15991 0</pre> | XXWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/MOTD-AmpSync-1.0.7 |
| DOWNLOAD https://pc-packages.amp.cisco.com/Private[loud/3.2.0/MOTD-AmpSync-1.0.7-prod WOND for today, nothing to download. Continuing DOWNLOAD https://pc-packages.amp.cisco.com/Private[loud/3.2.0/prod/repodatA/Pepodd.xml % Total % Received % Xferd Average Speed Time Time Current DOWNLOAD https://pc-packages.amp.cisco.com/Private[loud/3.2.0/prod/repodatA/0813687ac364885e8a82aa3b568226cdfdff10d0bblcb240875ee43a89240ea0-other.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/Private[loud/3.2.0/prod/repodatA/0813687ac364885e8a82aa3b568226cdfdff10d0bblcb240875ee43a89240ea0-other.sqlite.bz2 Wolto 1031 100 11331 100 98544 0 ::- -::- -::- -::- -::- -::- -::- -::- -::- -::- -::- -:: -:: -::- -:: -:: -:: -:: -:: -:: -:: -:: -:: -:: -:: -:: -:: -:: -:: :: :: | No MOTD for today, nothing to download. Continuing |
| <pre>Wo MOTD for today, nothing to download. Continuing DWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/repond.xml % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed DOMLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/a/0813e87ac364885e8a82aa3b568226cdfdff10d0bb1cb240875ee43a89240ea0-other.sqlite.bz2 % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed Dom Upload Total Spent Left Speed Dload Upload Total Spent Left Speed Dload</pre> | DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/MOTD-AmpSync-1.0.7-prod |
| <pre>DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/repond.xml % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 2991 100 2991 0 15991 0:</pre> | No MOTD for today, nothing to download. Continuing |
| <pre>% Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed 00 2991 00 0 15991 0</pre> | <pre>DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/repomd.xml</pre> |
| Dload Upload Total Spent Left Speed 100 2991 0 0 15991 0 0 | % Total % Received % Xferd Average Speed Time Time Time Current |
| <pre>100 2991 100 2991 0 0 15991 0</pre> | Dload Upload Total Spent Left Speed |
| <pre>DOWNLOAD https://pc-packages.amp.cisco.com//PrivateCloud/3.2.0/prod/repodata/0813e87ac364885e8a82aa3b568226cdfdff10d0bb1cb240875ee43a89240ea0-other.sqlite.bz2 % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 11331 100 11331 0 0 98644 0</pre> | 100 2991 100 2991 0 0 15991 0 16167 |
| <pre>% Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 11331 100 11331 0 98544 0:-::-::</pre> | DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/0813e87ac364885e8a82aa3b568226cdfdff10d0bb1cb240875ee43a89240ea0-other.sqlite.bz2 |
| Dioad Upload Total Spent Left Speed 100 11331 00 198544 0:::-::::: FETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/0813e87ac364885e8a82aa3b568226cdfdff10d0bb1cb240875ee43a89240ea0-other.sqlite.bz2 200MLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/22f49a7fe81b71ee153b1e870c7f6d20c9238a89c7d7e277956bbccb2c2f41d8-filelists.xml.gz % Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed 100 915k 100 915k 0 0 3224k 0:::::::-::-::: | % Total % Received % Xferd Average Speed Time Time Time Current |
| <pre>100 11331 100 11331 0 0 98544 0 97k ETCH_DK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/22f49a7fe81b71ee153b1e870c7f6d20c9238a89c7d7e277956bbccb2c2f41d8-filelists.xml.gz % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 915k 100 915k 0 0 3324k 0</pre> | Dload Upload Total Spent Left Speed |
| <pre>ETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/0813e87ac364858e8a82a3b568226dfdff10d0bb1cb240875ee43a89240ea0-other.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/22f49a7fe81b71ee153b1e870c7f6d20c9238a89c7d7e277956bbccb2c2f41d8-filelists.xml.gz % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 915k 100 915k 0 0 3224k 0::: 342k FETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/22f49a7fe81b71ee153b1e870c7f6d20c9238a89c7d7e277956bbccb2c2f41d8-filelists.xml.gz % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 1094k 100 1094k 0 0.3302k 0::: 3317k ETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-filelists.sqlite.bz2 % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 1094k 100 1094k 0 0.3302k 0::: 3317k ETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-filelists.sqlite.bz2 % Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed 100 1034k 100 1094k 0 0.3302k 0::: 756k ETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 00WNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 00WNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 00WNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.</pre> | 100 11331 100 11331 0 0 98544 0 97k |
| DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/22f49a/fe8lb7lee153ble870c7f6d20c9238a89c7d7e277956bbccb2c2f4ld8-filelists.xml.gz % Total % Received % Xferd Average Speed Time Ti | ETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/0813e87ac364885e8a82aa3b568226cdfdff10d0bb1cb240875ee43a89240ea0-other.sqlite.bz2 |
| <pre>% Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 915k 100 915k 0 0 3324k 0::: 342k FETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/22f49a7fe8lb71ee153b1e870c7f6d20c9238a89c7d7e277956bbccb2c2f41d8-filelists.xml.gz % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 1094k 100 1094k 0 0 3302k 0:::::: 3317k FETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-filelists.sqlite.bz2 % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 1094k 100 1094k 0</pre> | X0WNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/22f49a7fe81b71ee153b1e870c7f6d20c9238a89c7d7e277956bbccb2c2f41d8-filelists.xml.gz |
| Dioad Upload Total Spent Left Speed 100 915k 100 915k 0 0 3324k 0:::::: | % Total % Received % Xferd Average Speed Time Time Time Current |
| <pre>100 915k 100 915k 0 0 3324k 0::::- 3342k ETCHLOK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-filelists.xml.gz 00WNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-filelists.sqlite.bz2 % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 1094k 100 1094k 0 0 3302k 0:::: 3317k ETCHLOK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-filelists.sqlite.bz2 % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 1035k 100 135k 0 747k 0:::</pre> | Dìoad Upìoad Total Spent Left Speed |
| <pre>FETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/22f49a7fe8lb7lee153b1e870c7f6d20c9238a89c7d7e277956bbccb2c2f4ld8-file1ists.ml.gz X0WNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-file1ists.sqlite.bz2 X Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 1094k 100 1094k 0 0 3302k 0:: =-: 3317k FETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-file1ists.sqlite.bz2 X Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed 100 1094k 100 1094k 0 0 -3302k 0:: =-: 3317k FETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-file1ists.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-file1ists.sqlite.bz2 Notal % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 135k 100 135k 0 0 747k 0:::756k FETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1</pre> | 100 915k 100 915k 0 0 3324k 0::: 3342k |
| DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-file1ists.sqlite.bz2 % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 1094k 0 3302k 0:-: | ETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/22f49a7fe81b71ee153b1e870c7f6d20c9238a89c7d7e277956bbccb2c2f41d8-filelists.xml.gz |
| <pre>% Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 1094k 100 1094k 0 0 3302k 0:::::- 317k FETCH_ON https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-filelists.sqlite.bz2 00WNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 135k 100 135k 0 0 747k 0::::756k FETCH_ON https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 Dioad Upload Total Spent Left Speed Dload Upload Total Spent Left Speed Dload Upload Total Spent Left Speed Dload Upload Total Spent Left Sp</pre> | XXWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-file1ists.sqlite.bz |
| Dioad Upload Total Spent Left Speed 100 1094k 100 1094k 0 0 3302k 0:::-:-:-:-:-:-:-::-:-::-::-::-::-:: | % Total % Received % Xferd Average Speed Time_Time_Time_Current |
| <pre>100 1094k 100 1094k 0 0 3302k 0:::</pre> | Dioad Upioad Total Spent Left Speed |
| <pre>FETCH_OK https://pc-packages.amp.cisc.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376cla6312edLe3cd65937d1df2afle3b3dbe472d84ff9-f1fe1fsts.sqlite.bz2 % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 135k 100 135k 0 0 747k 0: 7-: 7-: 756k FETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e482c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e482c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e482c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e482c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e482c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e483c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e483c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e483c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e483c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 Diod Upload Upload Total Spent Left Speed Dload Upload Total Spent Left Speed Dload Upload Dotal Spent Left Speed Dload Upload Dotal Spent Left Speed Dload Upload Dotal Spent Left Speed</pre> | 100 1094k 100 1094k 0 0 3302k 0::: 3317k |
| DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 % Total % Received % Xferd Average Speed Time | ETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/691eabb8ceb5473093376c1a6312ed1e3cd6593fd1df2af1e3b3dbe472d84ff9-file1ists.sqlite.bz |
| <pre>% Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 100 135k 100 135k 0 0 747k 0:-::-:::- 756k ETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 MNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 WNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 MONLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 WNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 WNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 WNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 WNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-primary.sqlite.bz2 WNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea7b1af66101d0eab569014-prima</pre> | DWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751t61at15t36561a8aaclea7b1at66101d0eab569014-primary.sqlite.bz2 |
| Dioad Upioad Total Spent Left Speed 100 135k 100 135k 0 0 747k 0:::- 756k ETCH_DK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e6f73d52fc5079064faff7178401579a8de6259f8ac91b1e5e913cdb4a7ff069-primary.xml.gz % Total % Received % Xferd Average Speed Time Time Current Dioad Upload Total Spent Left Speed Dio 54480 100 54480 0 0 383k 0 origination private | % Total % Received % Xferd Average Speed Time Time Current |
| 100 135k 100 135k 0 0 747k 0::- 756k ETCH_OK https://pc-packages.amp.cisc.com/PrivateCloud/3.2.0/prod/repodata/e643c4029829b3a3b02751f61af15f36561a8aac1ea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisc.com/PrivateCloud/3.2.0/prod/repodata/e6f73d52fc5079064faff7178401579a8de6259f8ac91b1e5e913cdb4a7ff069-primary.sml.gz % Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed 0 0 54480 100 54480 0 0 385k | Dload Upload Total Spent Left Speed |
| <pre>-ETCL_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aacLea7b1af66101d0eab569014-primary.sqlite.bz2 DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e6f73d52fc5079064faff7178401579a8de6259f8ac91b1e5e913cdb4a7ff069-primary.xml.gz % Total % Received % Xferd Average Speed Time Time Current Dload Upload Total Spent Left Speed 0.0.54480, 100.54480, 0.0.383k</pre> | 100 135k 100 135k 0 0 747k 0::: 756k |
| DOWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e6f73d52tc5079064taft7178401579a8de6259t8ac91b1e5e913cdb4a7tt069-primary.xml.gz % Total % Received % Xferd Average Speed Time Time Time Current Dload Upload Total Spent Left Speed 100 54480 100 54480 0 0 383k 0 extense sciences science sciences asEk | ETCH_OK https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e4e3c4029829b3a3b02751f61af15f36561a8aaclea/b1af66101d0eab569014-primary.sqlite.bz2 |
| % Total % Received % Xterd Average Speed Time Time Current Dload Upload Total Spent Left Speed | DWNLOAD https://pc-packages.amp.cisco.com/PrivateCloud/3.2.0/prod/repodata/e6f73d52tc5079064taff7178401579a8de6259t8ac91ble5e913cdb4a7ff069-primary.xml.gz |
| Dioad Upload Total Spent Left Speed | % Total % Received % Xterd Average Speed Time Time Time Current |
| 101 54480 100 54480 0 0 585V | Dioad Upload Total Spent Left Speed |
| | 100 54480 100 54480 0 0 383k 0 ==:=:== ==:== 385k |
| | |

| _ | |
|-------|------|
| - | |
| 1000 | 1.00 |
| - | |

| 0.91% done, estimate finish Thu Nov 4 08:39:50 2021 |
|--|
| 9.91% done, estimate finish Thu Nov 4 08:39:51 2021 |
| 9.92% done, estimate tinish Thu Nov 4 08:39:50 2021 |
| J.92% done, estimate finish Thu Nov 4 08:39:50 2021 |
| . 92% done, estimate Tinish Inu Nov 4 08:39:51 2021 |
| , 93% done, estimate rinish inu Nov 4 08:39:50 2021 |
| Jys done, estimate tinish inu Nov 4 08:39:50 2021 |
| . 93% done, estimate finish inu NOV 4 00:39:51 2021 |
| 2.53 done, estimate finish finu nov + 00.35.50 2021 |
| 2.94% done actimate finish thu Nov 4 08:35:10 2021 |
| 94% done estimate finish Thu Nov 4 08:3950 2021 |
| 95% done, estimate finish Thu Nov 4 08:39:50 2021 |
| 95% done, estimate finish Thu Nov 4 08:39:51 2021 |
| 9.95% done, estimate finish Thu Nov 4 08:39:50 2021 |
| 9.96% done, estimate finish Thu Nov 4 08:39:50 2021 |
| 9.96% done, estimate finish Thu Nov 4 08:39:51 2021 |
| 9.96% done, estimate finish Thu Nov 4 08:39:51 2021 |
| 9.97% done, estimate finish Thu Nov 4 08:39:51 2021 |
| 9.97% done, estimate finish Thu Nov 4 08:39:52 2021 |
| 9.97% done, estimate finish Thu Nov 4 08:39:51 2021 |
| 9.98% done, estimate finish Thu Nov 4 08:39:51 2021 |
| 9.98% done, estimate finish Thu Nov 4 08:39:52 2021 |
| J98% done, estimate finish hu Nov 4 08139152 2021 |
| J. 99% done, estimate finish inu NOV 4 08:39:52 2021 |
| 5.99% done, estimate finish inu NOV 4 08:39:52 2021 |
| 1.99% done, estimate finish finu NOV 4 06:39:52 2021 |
| 0.00% done actimate finish ful dov 4 00:35:32 2021 |
| al translation table size: 0 |
| tal rockridge attributes bytes: 345811 |
| tal directory bytes: 512364 |
| th table size(bytes): 148 |
| k brk space used 2f0000 |
| 7803265 extents written (308209 MB) |
| chana suscassful. Privata Joud-3 2 Aliadates - 2021-11-02-prod iso |
| stage successfull in naccelloud size opplaces zozi iz 05-pi ou 130 |
| er@VMStation-1 ~ |
| |



Nota: En la actualización más reciente VPC 3.8.x con CygWin64 como su principal herramienta de descarga puede encontrar este problema descrito a continuación.



<u>Notas de la versión</u> Página #58. Como puede ver, "**xorriso**" es ahora necesario. Cambiamos el formato de la ISO a la ISO 9660 y esa dependencia es lo que convierte la imagen al formato apropiado para que la actualización pueda completarse. Desafortunadamente, CygWin64 no ofrecen xorriso en ninguno de sus repositorios incorporados. Sin embargo, para aquellos que todavía les gustaría utilizar CygWin64 hay una manera de superar este problema.

Installing dependencies

CentOS

To run amp-sync you will first have to install EPEL, xorriso, and xmlstarlet.

- 1. Enable the EPEL repo.
 - > sudo yum install epel-release
- 2. Install dependencies via yum.
 - > sudo yum install xorriso
 - > sudo yum install xmlstarlet

Ubuntu

To run amp-sync you will first have to install xorriso and xmlstarlet.

- Install dependencies via apt.
 - > sudo apt install xorriso
 - > sudo apt install xmlstarlet

Windows

- Set up Windows Subsystem for Linux (WSL) with the Ubuntu distribution. See the Microsoft documentation for details.
- Expand the WSL virtual hard disk size to comply with minimum free disk space. See the Microsoft documentation for details.
- 3. Install xorriso and xmlstarlet dependencies via apt.
 - > sudo apt install xorriso
 - > sudo apt install xmlstarlet

Para poder utilizar CygWin de nuevo, debe descargar manualmente xorriso desde el repositorio de GitHub. Abra el explorador y escriba <Última versión preliminar de xorriso.exe 1.5.2 para Windows> debería aparecer como el primer vínculo denominado <**PeyTy/xorriso-exe-for-windows** - **GitHub**> navegue hasta esa página de GitHub y descargue el archivo <**xorriso-exe-for-windows-master.zip**> dentro del archivo zip que encuentre, entre otros pocos archivos denominados <**xorriso.exe**> copie y pegue este archivo en <**CygWin6Win4\bin** > de su instalación local de CygWin. Vuelva a intentar ejecutar el comando <**amp-sync**>. Ya no debería ver el mensaje de error ni iniciar y finalizar la descarga, como se muestra en la imagen.

| oprile i provinci i p | ~ 1 |
|---|-----------------|
| <pre>corriso : UDXT: 99.5% done, estimate finish weld wur 23 133617 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133610 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133610 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 worriso : UDXT: 99.5% done, estimate finish weld wur 23 133612 2022 w</pre> | |
| orriso i UPATE i 90.5% done, estimate finish wed Nov 23 13:36:40 2022 prime UPATE i 90.5% done, estimate finish wed Nov 23 13:36:36 2022 Nume Pictures Nume Nume Nume Nume Nume Nume Nume Nume | Search User |
| corriso : 100ATC : 90.864 done, estimate finish Wed Nv 23 3336.18 2022 Mukic Name Date modified Type Size 100ATC : 100ATC : 100ATC : 100ATC : 100ATC : Name Date modified Type Size 100ATC : 100ATC : 100ATC : 100ATC : 100ATC : Name Date modified Type Size 100ATC : 100ATC : 100ATC : 100ATC : 100ATC : Name Date modified Type : Size 100ATC : 100ATC : 100ATC : 100ATC : 100ATC : Name Date modified Type : Size 100ATC : 100ATC : 100ATC : 100ATC : Name Date modified Type : Size 100ATC : 100ATC : 100ATC : 100ATC : 100ATC : Name Date modified Type : Size 100ATC : 100ATC : 100ATC : 100ATC : Name Date modified Type : Size 100ATC : 100ATC : 100ATC : Name | |
| corriso: ip/DATL ip/SPX dome, estimate finish led Nov 23 133632 2022 ip/DATL ip/SPX dome, estimate finish led Nov 23 133632 2022 ip/DATL ip/SPX dome, estimate finish led Nov 23 133632 2022 ip/DATL ip/SPX dome, estimate finish led Nov 23 133632 2022 ip/DATL ip/SPX dome, estimate finish led Nov 23 133632 2022 ip/DATL ip/SPX dome, estimate finish led Nov 23 133632 2022 ip/DATL ip/SPX dome, estimate finish led Nov 23 133632 2022 ip/DATL ip/SPX dome, estimate finish led Nov 23 133632 2022 ip/DATL ip/SPX dome, estimate finish led Nov 23 133632 2022 ip/DATL ip/SPX dome, estimate finish led Nov 23 133632 ip/SPX ip/DATL ip/SPX dome, estimate finish led Nov 23 133632 ip/SPX ip/DATL ip/SPX dome, estimate finish led Nov 23 133632 ip/SPX ip/SPX ip/SPX dome, estimate finish led Nov 23 133632 ip/SPX ip/SPX ip/SPX dome, estimate finish led Nov 23 133632 ip/SPX ip/SPX ip/SPX | |
| Corriso : UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 Corriso : UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 MEDA(D) UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 MEDA(D) UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 MEDA(D) MR GREEN(F) UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 MR GREEN(F) UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 MR GREEN(F) UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 MR GREEN(F) UPCATE : 99,9% dome, estimate finish Med Nov 23 133637 2022 MR GREEN(F) MR GREEN(F) | |
| Optimizer Optimizer <t< td=""><td></td></t<> | |
| proprio : UpART : 99,97% done, estimate finish ked hvv 2 133631 2022 upART : 99,97% done, estimate finish ked hvv 2 133631 2022 upART : 99,97% done, estimate finish ked hvv 2 133631 2022 upART : 99,97% done, estimate finish ked hvv 2 133831 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,98% done, estimate finish ked hvv 2 1338361 2022 upART : 99,99% done, estimate finish ked hvv 2 1338361 2022 upART : 99,99% done, estimate finish ked hvv 2 1338361 2022 upART : 99,99% done, estimate finish ked hvv 2 1338361 2022 upART : 99,99% done, estimate finish ked hvv 2 1338361 2022 upART : 99,99% done, estimate finish ked hvv 2 1338361 2022 upART : 99,99% done, estimate finish ked hvv 2 1338361 2022 upART : 99,99% done, estimate finish ked hvv 2 1338613 2022 upART : 100,00% done, estimate finish ked hvv 2 1338613 2022 upART : 100,00% done, estimate finish ked hvv 2 1338613 2022 upART : 100,00% done, estimate finish ked hvv 2 1338613 2022 upART : 100,00% done, estimate finish ked hvv 2 1338613 2022 upART : 100,00% done, | 1 KB |
| corriso: upDAT: 99.9% dore: estimate finish Med Nov 23 13/8612 4002 | 82 KB |
| corriso: LPDATE: 99,97% done, estimate finish Med Nov 23 133/6164 2022 — MEDA (D) — MEDA (D) — MEDA (D) — MEDA (D) — MEDA (D) — MEDA (D) = MEDA (D) — MEDA (D) — MEDA (D) — MEDA (D) = MEDA (D) = MEDA (D) | 222 102 000 100 |
| corriso 1: UPATE : 99, 9%, done, estimate finish Med Nov 23 13:86:13 2022 | 329,199,800 KB |
| corriso: UPDATE 199,98% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,98% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,98% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,98% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,98% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,98% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,98% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,98% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,98% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,99% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,99% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,99% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,99% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,99% dome, estimate finish ked Nov 23 1313613 2022 corriso: UPDATE 199,99% dome, estimate finish ked Nov 23 1313613 2022 corri | |
| corriso: 100AT 190AT | |
| corriso : [PGK11 :] 99, 98, dome, estimate finish ked Nov 23 133613 2022 | |
| Dor Hold 1 99 Sex during 24 J 28 J 28 J 2005 Implementation Dor Hold 1 99 Sex during 24 J 28 J 28 J 2005 Implementation Dor Hold 1 99 Sex during extinues 1/10 Sex Dor Hold 1 99 Sex during extinues 1/10 Sex Dor Hold 1 99 Sex during extinues 1/10 Sex Dor Hold 1 99 Sex during extinues 1/10 Sex Dor Hold 1 99 Sex during extinues 1/10 Sex Dor Hold 1 99 Sex during extinues 1/10 Sex Dor Hold 1 99 Sex during extinues 1/10 Sex Dor Hold 1 99 Sex during extinues 1/10 Sex Dor Hold 1 10 Sex extinues 1/10 Sex 1/10 Sex Dor Hold 1 1/10 Sex 1/10 Sex 1/10 Sex 1/10 Sex Dor Hold | |
| corriso : UPANT : 99,9% dome, estimate finish wed huv 23 13:86:13 2022 | |
| sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.8% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.8% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sorris : UPANE : 99.9% done, estimate finish wed Nov 23 13:86:13 2022 sofar Panels sorris : UPANE : 100.00% done sorris : UPANE : 100.00% done sofar Panels sorris : UPANE : 100.00% done sorris : UPANE : 100.00% done sofar Panels sorris : UPANE : 100.00% done sofar Panels sofar Panels s | |
| corriso : UPANTE : 99,8% done, estimate finish wed Nov 23 13:86:13 2022 — Wangradan (V) corriso : UPANTE : 99,8% done, estimate finish wed Nov 23 13:86:13 2022 — Mangradan (V) corriso : UPANTE : 99,9% done, estimate finish wed Nov 23 13:86:13 2022 — ARCHWE (K) corriso : UPANTE : 99,9% done, estimate finish wed Nov 23 13:86:19 2022 — ARCHWE (K) corriso : UPANTE : 99,9% done, estimate finish wed Nov 23 13:86:19 2022 — KNO16 (A) corriso : UPANTE : 99,9% done, estimate finish wed Nov 23 13:86:19 2022 — KNO16 (A) corriso : UPANTE : 99,9% done, estimate finish wed Nov 23 13:86:19 2022 — KNO16 (A) corriso : UPANTE : 99,9% done, estimate finish wed Nov 23 13:86:19 2022 — KNO16 (A) corriso : UPANTE : 99,9% done, estimate finish wed Nov 23 13:86:19 2022 — KNO16 (A) corriso : UPANTE : 100,00% done _ STIME finish wed Nov 23 13:86:19 2022 — KNO16 (A) corriso : UPANTE : 100,00% done, estimate finish wed Nov 23 13:86:19 2022 _ KNO16 (A) _ Stimate finish wed Nov 23 13:86:19 2022 corriso : UPANTE : 100,00% done _ STIME finish wed Nov 23 13:86:19 2022 _ KNO16 (A) _ Stimate finish wed Nov 23 13:86:19 2022 corriso : UPANTE : 100,00% done _ STIME finish wed Nov 23 13:86:19 2022 _ KNO16 (A) _ Stimate finish wed Nov 23 13:86:19 2022 corriso : UPANTE : 100,00% done _ Stimate f | |
| corriso: iUPANTE : 99,88% done, estimate finish wed Nov 23 13:36:13 2022 | |
| Norriso : UPANTE : 99,9% done, estimate finish wed Nov 23 1316:16 2022 worriso : UPANTE : 99,9% done, estimate finish wed Nov 23 1316:16 2022 worriso : UPANTE : 99,9% done, estimate finish wed Nov 23 1316:18 2022 worriso : UPANTE : 99,9% done, estimate finish wed Nov 23 1316:18 2022 worriso : UPANTE : 99,9% done, estimate finish wed Nov 23 1316:18 2022 worriso : UPANTE : 99,9% done, estimate finish wed Nov 23 1316:18 2022 worriso : UPANTE : 99,9% done, estimate finish wed Nov 23 1316:18 2022 worriso : UPANTE : 99,9% done, estimate finish wed Nov 23 1316:18 2022 worriso : UPANTE : 99,9% done, estimate finish wed Nov 23 1316:18 2022 worriso : UPANTE : 90,9% done, estimate finish wed Nov 23 1316:18 2022 worriso : UPANTE : 100,00% done worriso : UPANTE : 100,00% done settors Worriso : UPANTE : 100,00% done settors Worriso : UPANTE : 100,00% done settors Worriso : UPANT | |
| corriso: LPDATE: 9.9.9% dome, estimate finish ked hov 23 133615 / 2022 | |
| corriso: i (PDATE: 19.9% dome, estimate finish ked Nov 2 3135153 2022 corriso: i (PDATE: 9.9% dome, estimate finish ked Nov 2 3135153 2022 corriso: i (PDATE: 9.9% dome, estimate finish ked Nov 2 3135153 2022 corriso: i (PDATE: 9.9% dome, estimate finish ked Nov 2 3135613 2022 corriso: i (PDATE: 9.9% dome, estimate finish ked Nov 2 3135613 2022 corriso: i (PDATE: 9.9% dome, estimate finish ked Nov 2 3135613 2022 corriso: i (PDATE: 100.0% dome attivate corriso: i (PDATE: Thak y | |
| corriso : UPARTE : 99.9% dome, estimate finish wed Nov 23 1336:33 2023 — AVCHINE (C) corriso : UPARTE : 99.9% dome, estimate finish wed Nov 23 1336:33 2022 — KNO16 (J) corriso : UPARTE : 99.9% dome, estimate finish wed Nov 23 1336:38 2022 — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome — KNO16 (J) corriso : UPARTE : 100.00% dome | |
| corriso: LPGATE: 90.9% done, estimate finish ked Nov 23 13:36:18 2022 | |
| corriso: LPDATE: 9.9.9% done, estimate finish wed Nov 23 13:36:13 2022 LNNO16 (J) corriso: LPDATE: 9.9.9% done, estimate finish wed Nov 23 13:36:13 2022 LANUTOR corriso: LPDATE: 100.0% done Statustor corriso: LPDATE: TANK you for being patient. Working since \$818 seconds. VPC corriso: LPDATE: Thank you for being patient. Working since \$819 seconds. Estup corriso: LPDATE: Thank you for being patient. Working since \$819 seconds. Estup corriso: LPDATE: Thank you for being patient. Working since \$819 seconds. Estup corriso: LPDATE: Thank you for being patient. Working since \$819 seconds. Estup corriso: LPDATE: Thank you for being patient. Working since \$819 seconds. Estup corriso: LPDATE: Thank you for being patient. Working since \$819 seconds. Estup corriso: LPDATE: Thank you for being patient. Working since \$819 seconds. | |
| corriso: ivpAtt: 100,00% done | |
| corriso : UPDATE : 100.00% done, estimate finish Wed Nov 23 13:36:36 2022 ScharP Anels corriso : UPDATE : 100.00% done up CC v CC v CC i Schar Panels v CC i Schar Panels | |
| corriso: 100ATÉ: 100.00% done Solar Panels corriso: 100ATÉ: 100.00% done VPC corriso: 100ATÉ: Thank, you for being patient. Working since 38318 seconds. VPC corriso: 100ATÉ: Thank, you for being patient. Working since 38318 seconds. VPC corriso: 100ATÉ: Thank, you for being patient. Working since 38320 seconds. VPC corriso: 100ATÉ: Thank, you for being patient. Working since 58320 seconds. VPC corriso: 100ATÉ: Thank, you for being patient. Working since 58320 seconds. VPC corriso: 100ATÉ: Thank, you for being patient. Working since 58320 seconds. VPC corriso: 100ATÉ: Thank, you for being patient. Working since 58320 seconds. VPC corriso: 100ATÉ: Thank, you for being patient. Working since 58320 seconds. VPC corriso: 100ATÉ: Thank, you for being patient. Working since 5832 seconds. VPC corriso: 100ATÉ: Thank, you for being patient. Working since 5832 seconds. VPC corriso: 100ATÉ: Thank, you for being patient. Working since 5832 seconds. VPC | |
| torriso : UPGATE : 100.00% done orriso : UPGATE : 100.00% done orriso : UPGATE : Thanks you for being patient. Working since \$5518 seconds. UPGATE : Thanks you for being patient. Working since \$5538 seconds. Orriso : UPGATE : Thanks you for being patient. Working since \$5538 seconds. UPGATE : Thanks you for being patient. Working since \$5538 seconds. Orriso : UPGATE : Thanks you for being patient. Working since \$5538 seconds. Orriso : UPGATE : Thanks you for being patient. Working since \$5538 seconds. Orriso : UPGATE : Thanks you for being patient. Working since \$5538 seconds. Orriso : UPGATE : Thanks you for being patient. Working since \$5538 seconds. Orriso : UPGATE : Thanks you for being patient. Working since \$5538 seconds. Orriso : UPGATE : Thanks you for being patient. Working since \$5538 seconds. Orriso : UPGATE : Thanks you for being patient. Working since \$5538 seconds. Orriso : UPGATE : Thanks you for being patient. Working since \$5538 seconds. Orriso : UPGATE : Thanks you for being patient. Working since \$5538 seconds. Orriso : UPGATE : Thanks you for being patient. Working since \$5538 seconds. Orriso : UPGATE : Thanks you for being patient. Working since \$5538 seconds. Orriso : UPGATE : Thanks you for being patient. Working since \$5538 seconds. A items : State & Shared | |
| scoriso: ipOATE : Thak, you for being patient. Working since 58518 seconds. © 6418esbbbs/822016467646474521-samp scoriso: ipOATE : Thak, you for being patient. Working since 58518 seconds. © 6418esbbbs/822016467646474521-samp scoriso: ipOATE : Thak, you for being patient. Working since 58528 seconds. © 8448esbbbs/822016467646474521-samp scoriso: ipOATE : Thak, you for being patient. Working since 58528 seconds. © 8448esbbbs/822016467646474521-samp scoriso: ipOATE : Thak you for being patient. Working since 58528 seconds. © 8eb4374dc1717d1c40345417125864-samp scoriso: ipOATE : Thak you for being patient. Working since 58528 seconds. © 71510 ipOATE : Thak you for being patient. Working since 58528 seconds. scoriso: ipOATE : Thak you for being patient. Working since 58528 seconds. © 71510 ipOATE : Thak you for being patient. Working since 58528 seconds. scoriso: ipOATE : Thak you for being patient. Working since 58528 seconds. 4 Rems State @State | |
| orriso : UPOATE : Thank you for being pattert. working since 3830 seconds. orriso : UPOATE : Thank you for being pattert. working since 3830 seconds. orriso : UPOATE : Thank you for being pattert. working since 3830 seconds. orriso : UPOATE : Thank you for being pattert. working since 5832 seconds. orriso : UPOATE : Thank you for being pattert. Working since 5832 seconds. orriso : UPOATE : Thank you for being pattert. Working since 5832 seconds. orriso : UPOATE : Thank you for being pattert. Working since 5832 seconds. orriso : UPOATE : Thank you for being pattert. Working since 5832 seconds. orriso : UPOATE : Thank you for being pattert. Working since 5832 seconds. orriso : UPOATE : Thank you for being pattert. Working since 5832 seconds. orriso : UPOATE : Thank you for being pattert. Working since 5832 seconds. d Rems : State 2 Shared State 2 Shared | |
| ouriso : Update : Indak you for being patters. Working since 58:23 seconds. ■ #894374dc17fd7c40345417125ftb4-samph worriso : Update : Thank you for being patters. Working since 58:23 seconds. ■ Ref4374dc17fd7c40345417125ftb4-samph ■ Intain ■ Intain | |
| corriso : UPDATE : Thank you for being patternt. Working since 58212 seconds. corriso : UPDATE : Thank you for being patternt. Working since 58212 seconds. corriso : UPDATE : Thank you for being patternt. Working since 5822 seconds. corriso : UPDATE : Thank you for being patternt. Working since 5824 seconds. 20 jange produced: 14659700 sectors | |
| corriso : UPATE : Thank you for being patient. Working since 5832 seconds. exeriso : UPATE : Thank you for being patient. Working since 5852 seconds. to image produced: 14639700 sectors 5 image produced: 14639700 sectors | |
| oorriso : UPDATE : Thank you for being patient. Working since 58523 seconds. corriso : UPDATE : Thank you for being patient. Working since 58524 seconds. 4 ≹tems State 28 Shared So image produced: 36459900 sectors | |
| orriso : UPDATE : Thank you for being patient. Working since 58524 seconds. 4 Rems State 28 Shared So image produced: 16459900 sectors | _ |
| S0 image produced: 164599900 sectors | BEE F |
| | |
| aritten to medium : 164599900 sectors at L&A O | |

Realice la copia de respaldo de la VPC (en este caso) actual 3.2.0 en el modo Airgap.

Puede utilizar este comando desde la CLI

rpm -qa | grep Pri

O también puede navegar hasta **Operaciones > Copias de seguridad**, como se muestra en la imagen y **Realizar copia de seguridad** allí.



Transfiera el último ISO generado con amp-sync al VPC. Esto puede tardar hasta varias horas, así en función de su velocidad. En este caso la transferencia tomó más de 16Hrs

| Servers To | 🗜 🚖 🖳 ools Sessions View | Split Mul | tExec Tunneling Pack | ages Settin | gs Help | | | |
|--|--|---|--|--|---|---|------|--|
| connect | | | | | | | | 2. AMP VPC AG × |
| 1 T 🕘 🗟 | | <u>/ III</u> | | | | | (| MobaXterm 20.2 • (SSH client, X-server and networking tools) |
| Name preserved-coni pdb_tmp mysql ignored-backup fink frehose-cassar frehose-cassar | Size () fig-files p-config-files ndra-replay ndra | B) Last modifi 2021-10-3 2021-11-0 2021-11-0 2021-10-3 2021-11-0 2021-11-0 2021-11-0 | ed Owner 0 root 2 ro | Group root root root root root root | Access drwx, drwx, drwx-sr-sc, drwar-sr-sc, drwar-sr-sc, drwar-sr-sc, drwar-sr-sc, | | | <pre>> SSH session to root@192.168.75.88 • SSH compression : / • SSH-browser : / • X11-forwarding : x (disabled or not supported by server) • DISPLAY : 192.168.75.9:0.0 > For more info, ctrl+click on help or visit our website Last login: Thu Nov 4 03:31:10 2021 from 192.168.75.9 [rooteffireame ~]# #</pre> |
| Choose which | n file(s) to upload | | - G 🕫 🛤 | ··· | | | × | |
| Libraries | Name amp-sync-data bash_profile inputrc profile amp-sync PrivateCloud-3.2.0- | • Updates-2021-11- | Date modifi 11/3/2021 1 11/3/2021 1 11/3/2021 1 11/3/2021 1 11/3/2021 1 11/3/2021 2 03-pro 11/4/2021 8 | ed 0:31 PM 2:57 PM 2:57 PM 2:57 PM 2:57 PM 2:57 PM 3:06 PM 3:39 AM | Type File folder BASH, PROFILE File BASHRC File PROFILE File File Disc Image File | Size 2 KB 6 KB 2 KB 83 KB 315,606,53 | | |
| Network | File name: Privat | eCloud-3.2.0-Update | s-2021-11-03-prod iso | | | ~ | Open | |

Una vez que se haya realizado la carga, monte el ISO

| Servers Tools Sessions View Spit | Y MultExec | Tunneling Pack | ages Settings | (?) Help | | | |
|--|----------------------|----------------|---------------|-------------|--------------|---------|--|
| k connect | | | | | | | X 2 AMP VPC AG × (O) |
| 🗄 🕇 🕐 🍋 🐘 🔍 🔍 📗 🗷 🔳 | | | | | | _ | + MobaXterm 20.2 + |
| s/mp/ | | | | | | 0 | (SSH client, X-server and networking tools) |
| Name Bul., | Size (KB) | Last modified | Owner | Group | Access | | SSH session to root@192.168.75.88 SSH compression : |
| preserved-config-files | | 2021-10-30 | foot | root | drwoor-wr-x. | | • SSH-browser : 2 |
| pdb_tmp | | 2021-11-02 | foon | root | drwx, | | X11-forwarding : X (disabled or not supported by server) |
| mysql | | 2021-11-07 | mysql | mysal | drwx, | | • DISPLAY : 192.168.75.9:0.0 |
| ignored-backup-config-files | | 2021-10-30 | root | root | drwar-ar-x. | | a For more info, styleplick on help or visit our whethe |
| Fink . | | 2021-11-02 | root | foot | drwor-sr-x. | | For more and, ceretered of many of visit out many are |
| frehose-cassandra-replay | | 2021-11-02 | root | root | drwar-ar-x. | | |
| frehose-cassandra | | 2021-11-02 | root | root | drwar-sr-x. | Last | login: Thu Nov 4 03:31:10 2021 from 192.168.75.9 |
| PrivateCloud-3.2.0-Updates-2021-11-03-prod.iso | 315 606 530 | 2021-11-07 | root | foot | -fW-f+-f++, | Iroot | @fireamp ~]# ll -lh /data/tmp 301G |
| | | | | | | drwxr | -xr-x. 4 root root 4.0K Nov 2 19:18 firehose-cassandra |
| | | | | | | drwxr | -xr-x. 4 root root 4.0K Nov 2 19:18 firehose-cassandra-replay |
| | | | | | | drwxr | -xr-x. 8 root root 4.0K Nov 2 19:03 flink |
| | | | | | | druxr | -xr-x, 2 root root 4.0K Oct 30 06:17 ignored-backup-config-files |
| | | | | | | dowr- | , 2 mysqt mysqt 00 Nov / 00:04 mysqt |
| | | | | | | drwxr | -xr-x, 2 root root 4.0K Oct 30 06:17 preserved-config-files |
| | | | | | | - FW- F | r 1 root root 301G Nov 7 11:05 PrivateCloud-3.2.0-Updates-2021-11-03-prod.iso 🖛 |
| | | | | | | [root | <pre>@fireamp ~}# mount /data/tmp/PrivateCloud-3.2.0-Updates-2021-11-03-prod.iso /data/updates : /dev/loop0 is write-protected, mounting read-only</pre> |

/data/tmp/DrivateCloud_3 2 0-Hindates_2021_11_03-prod iso /data/updates/

Vaya a la interfaz de usuario de opdamin para realizar la actualización **Operations > Update Device > Select Check update ISO.**

| Configuration - Operations - Status - In | egrations • Support • * Standalone | - 1 |
|--|---|----------------|
| O Sanity Check Failing | | |
| lpdates keep your Private Cloud device u | b to date. | ad amp-sync |
| | Check Update ISO | |
| Content | Checking ISO for updates | |
| Client Definitions, DFC, Tetra Content Version | Update Cor | itent |
| ABSENT Protect DB Version | Import Protect DB snapshot to your stan | dalone device. |
| Checked 9 minutes ago; the update check failed. | | |
| oftware | | |
| 3.2.0_202010082118 Private Cloud Software Version | Update Soft | ware |
| A software undate is available | | |

En este ejemplo, procedo con Update Content primero

| cisco AMP for Endpoints Private Cloud Administration Portal | Announcements ? Help 🕞 Logout |
|---|--|
| Configuration • Operations • Status • Integrations • Support | - Standalone 💌 🛃 - |
| Sanity Check Failing | |
| Updates keep your Private Cloud device up to date. | A Download amp-sync |
| Check Update ISO | |
| 3.2.0_202010081917 Client Definitions, DFC, Tetra Content Version | Update Content Import Protect DB |
| ABSENI Protect DB Version | ISO contains Protect DB snapshot version 20210531-0613. Import a Protect DB snapshot to your standalone device. |
| Software | |
| 3.2.0_202010082118 Private Cloud Software Version A software update is available. | Update Software |

A continuación, seleccione Importar proteger BD.

| AMP for Endpoints Private Cloud Administration Portal | Announcements ? Help & Logout |
|---|---|
| Configuration - Operations - Status - Integrations - Su | upport - Standalone 💌 🗶 - |
| O Sanity Check Failing | |
| Updates keep your Private Cloud device up to date. | ▲ Download amp-sync |
| Check Updat | te ISO |
| Content | |
| Client Definitions, DFC, Tetra Content Version | Update Content Import Protect DB |
| Protect DB Version | Import a Protect DB snapshot to your standalone device. |
| Checked less than a minute ago; content is up to date. | |
| Software | |
| 3.2.0_202010082118 Private Cloud Software Version | Update Software |
| <u>A software update is available.</u> | |

Como puede ver, este es otro proceso muy largo que puede tardar mucho tiempo en completarse.

Protect DB importing

The device is currently importing a Protect DB snapshot. This process can take several hours.

| State | 🛗 Started | finished | O Duration | |
|---|--|---------------|--------------------------------|---|
| Running | 2021-11-07 18:48:44 +0000 less than a minute ago | O Please wait | O Please wait | |
| ≣ Output | | | | |
| Attempting to mount an mount: special device Starting update. Stopping apply-cloud-d Stopping authenticatio Stopping authenticatio | ISO, if one is present. /dev/cdrom does not exist eltas n_web n_worker | | | ^ |
| | | | | |
| | | | | |

Home / Operations - Update Device / Protect DB Import Details

Protect DB importing

| State | | | 🛗 Start | ed | | 🛗 Finished | O Duration | |
|-----------------|-----------|-----------|---------------------|-------------|---------|---------------|---------------|--|
| | Running | | 2021-11 42 minut | -07 18:48:4 | 4 +0000 | O Please wait | ⊘ Please wait | |
| ≣ Output | J | | | | | | | |
| EXCLACTION | 14.300 at | יטייוכ. ט | s eca. | 5.25.03 | nva [| 1 | | |
| Extraction | 14.9GB at | 6.6MB/ | s eta: | 9:28:21 | 6% [== | 1 | | |
| Extraction | 14.9GB at | 6.6MB/ | s eta: | 9:28:27 | 6% [== | | | |
| Extraction | 14.9GB at | 6.5MB/ | s eta: | 9:28:40 | 6% [== | | | |
| Extraction | 14.9GB at | 6.5MB/ | s eta: | 9:28:46 | 6% [== | 1 | | |
| Extraction | 14.9GB at | 6.5MB/ | s eta: | 9:28:58 | 6% [== | , , | 2 | |
| Extraction | 14.9GB at | 6.5MB/ | s eta: | 9:29:12 | 6% [== | 1 | | |
| Extraction | 14.9GB at | 6.5MB/ | s eta: | 9:29:26 | 6% [== | 1 | | |
| Extraction | 15.0GB at | 6.5MB/ | s eta: | 9:28:56 | 6% [== | 1 | | |
| Extraction | 15.0GB at | 6.6MB/ | s eta: | 9:28:20 | 6% [== | 1 | | |
| Extraction | 15.0GB at | 6.6MB/ | s eta: | 9:28:28 | 6% [== | 1 | | |
| Extraction | 15.0GB at | 6.5MB/ | s eta: | 9:28:44 | 6% [== | 1 | | |
| Extraction | 15.0GB at | 6.5MB/ | s eta: | 9:28:51 | 6% [== | 1 | | |
| Extraction | 15.0GB at | 6.5MB/ | s eta: | 9:28:48 | 6% [== | 1 | | |
| Extraction | 15.0GB at | 6.5MB/ | s eta: | 9:28:56 | 6% [== |] | | |
| Extraction | 15.0GB at | 6.5MB/ | s eta: | 9:29:10 | 6% [== |] | | |
| Extraction | 15.0GB at | 6.5MB/ | s eta: | 9:29:23 | 6% [== | 1 | | |

Protect DB importing

The device is currently importing a Protect DB snapshot. This process can take several hours.

| State | 🛗 Started | m Finished | Duration |
|-----------------------------|---|---------------|------------------------------|
| Running | 2021-11-19 17:04:05 +00 about 20 hours ago | Ø Please wait | O Please wait |
| ⊒ Output | | | |
| EXCLACION 255.200 at | 4.200/5 Cta. 0.00.02 550 | [] | |
| Extraction 233.2GB at | 4.2MB/s eta: 0:00:00 99% | [] | |
| Extraction 233.2GB at | 4.2MB/s eta: 0:00:00 100% | [=====] | |
| Snapshot Version 3 | | | |
| Going to drop disposition | tables. | | |
| Dropping detections table. | | | |
| Dropping binaries table. | | | |
| Dropping binaries_detection | ons table. | | |
| Dropping samples table. | | | |
| Dropping publishers table. | | | |
| Dropping cas table. | | | |
| Dropping certificates tabl | le. | | |
| Dropping cert_fingerprints | table. | | |
| Recreating Protect DB tabl | les from the schema in the snap | pshot. | |
| Importing Protect DB data | (this may take some time). | | |
| Importing detections table | (this may take some time). | | |
| T | | | |

Problema #1: espacio agotado en el almacén de datos

Aquí puede ver dos números. Dado que vPC anterior a 3.5.2 no tiene la capacidad de montar almacenamiento NFS externo, debe cargar el archivo ISO de actualización en el directorio /data/temp. En mi caso, como mi almacén de datos tenía sólo 1 TB, me quedé sin la sala y la máquina virtual se bloqueó. En otras palabras, necesita al menos 2 TB de espacio en su almacén de datos para implementar correctamente AirGap VPC que está por debajo de la versión 3.5.2

Esta imagen de abajo es del servidor ESXi que muestra el error de que no hay más espacio disponible en el disco duro cuando intenta arrancar la VM. Pude recuperarme de este error cambiando temporalmente la RAM de 128 GB a 64 GB. Entonces fui capaz de arrancar de nuevo. También recuerde que si aprovisiona esta VM como cliente ligero, el inconveniente de la implementación de cliente ligero es que el tamaño del disco puede aumentar, pero no se reduciría incluso si libera algo de espacio. En otras palabras, supongamos que ha cargado el archivo de 300 GB en el directorio del vPC y, a continuación, lo ha eliminado. El disco de ESXi todavía muestra 300 GB menos de espacio en el disco duro

| Event Details | | |
|-------------------------------|--|--|
| Type: error User: root | Time: 11/15/2021 12:24:43 PM | Target: AMP-vPC AirGap |
| Description: | | |
| 3 11/15/2021 12:24:43 PM, | Error message on <u>AMP-vPC AirGap</u> on <u>U</u> | UCS-2 in <u>ha-datacenter</u> : Failed to power on VM. |
| Error Stack: Hide | | |
| → Failed to power on VM. | | |
| + Could not power on virtual | machine: msg.vmk.status.VMK_NO_SPA | ACE. |
| → Failed to extend the virtua | l machine swap file | |
| ↔ Current swap file size is 0 | KB. | |
| Failed to extend swap file | from 0 KB to 134217728 KB. | |
| → File system specific implem | ientation of LookupAndOpen[file]failed | |
| → File system specific implem | ientation of Lookup[file] failed | |
| Related Events: Show | | |
| | | |
| | | |

Problema #2: actualización anterior

El problema 2nd es si se ejecuta la actualización de software primero como lo hice en mi 2[°] prueba y de 3.2.0 termino con VPC para actualizar a 3.5.2 y debido a eso tuve que descargar el nuevo archivo de actualización de ISO ya que el 3.2.0 se vuelven inválidos debido a un hecho de que ya no estaba en la versión 3.2.0 original.

| Configuration - Operations - Status | Integrations Support | Standalone 📁 👱 🔹 |
|---|--|--|
| O Maintenance Mode | Sanity Check Failing | Disabling TLS 1.0/1.1 |
| The device is in maintenance mode. External services are unavailable. | | |
| Jpdates keep your Private Cloud de | vice up to date. | Download amp-sync |
| | Check Update ISO | |
| O TI | here is no ISO loaded. Load an ISO and t | ry again |
| | tore is no los logados. Logad antico anta | |
| Content | | |
| Content 3.2.0_202010081 Client Definitions, DFC, Tetra Content | .917 Version | Update Content |
| Content 3.2.0_202010081 Client Definitions, DFC, Tetra Content ABS | .917 Version | Update Content Import Protect DB |
| Content 3.2.0_202010081 Client Definitions, DFC, Tetra Content O ABS Protect DB | .917 Version SENT Version | Update Content Import Protect DB Import a Protect DB snapshot to your standalone device. |
| Content 3.2.0_202010081 Client Definitions, DFC, Tetra Content Q ABS Protect DB Checked 24 minutes ago; the update check | .917 Version SENT Version | Update Content Import Protect DB Import a Protect DB snapshot to your standalone device. The previous Protect DB import failed. |
| Content 3.2.0_202010081 Client Definitions, DFC, Tetra Content 0 ABS Protect DB Checked 24 minutes ago; the update check Software | .917 Version ENT Version K failed. | Update Content Import Protect DB Import a Protect DB snapshot to your standalone device. The previous Protect DB import failed. |
| Content 3.2.0_202010081 Client Definitions, DFC, Tetra Content D ABS Protect DB Checked 24 minutes ago; the update check Software 3.5.3_202111080 Private Cloud Software | .917 Version ENT Version k failed. | Update Content Import Protect DB Import a Protect DB snapshot to your standalone device. The previous Protect DB import failed. |

Este es el error que aparece si intenta montar el archivo de actualización ISO de nuevo.



Home / Operations - Update Device / Update Check Details

O The update check failed

Something went wrong while checking for updates.

| | E Started | m Finished | O Duration |
|---|---|--|--------------------|
| ¥ Failed | 2021-11-16 16:29:23 +0000 less than a minute ago | 2021-11-16 16:29:30 +0000 less than a minute ago | less than a minute |
| ≣ Output | | | |
| Attempting to mount an Starting update check. http://127.0.0.1:8080/ Trving other micror | ISO, if one is present. PrivateCloud/3.5.3/prod/repodata/repomd. | xml: [Errno 14] HTTP Error 404 - No | ot Found |
| To address this issue | please refer to the below wiki article | | |
| nttps://wiki.centos.or | g/yum-errors | | |
| If above article doesn | 't help to resolve this issue please use | <pre>https://bugs.centos.org/.</pre> | |
| If above article doesn | 't help to resolve this issue please use | <pre>https://bugs.centos.org/. wd Reportionv)</pre> | |
| If above article doesn One of the configured and yum doesn't have | 't help to resolve this issue please use repositories failed (FireAMP PrivateClo enough cached data to continue. At this | whttps://bugs.centos.org/. bud Repository), point the only | |
| If above article doesn One of the configured and yum doesn't have safe thing yum can do | 't help to resolve this issue please use repositories failed (FireAMP PrivateClo enough cached data to continue. At this is fail. There are a few ways to work " | <pre>https://bugs.centos.org/. bud Repository), point the only 'fix" this:</pre> | |

Esta imagen muestra una forma alternativa de montar la imagen de actualización en su VPC. En la versión 3.5.x puede utilizar la ubicación remota, como el almacenamiento NFS, para compartir el archivo de actualización con su VPC.

| Configuration - Operations | S | 🖌 Standalone 📔 👱 👻 |
|----------------------------|----------------------|-------------------------|
| O Maintenance Mode | Sanity Check Failing | O Disabling TLS 1.0/1.1 |
| ount an Update ISO | | |
| O Configuration | | • HELP |
| ount Type | ISO | |
| | ISO | |
| | NFS4 | |
| | NFS3 | |
| | | |

| AMP for Endpoints | Private Cloud Administration Portal | Announcements ? Help | 🗈 Logout |
|------------------------------|-------------------------------------|----------------------|----------|
| Configuration - Operations - | Status • Integrations • Support • | 🖌 Standalone 📁 | • |
| Sanity Check Failing | Disabling TLS 1.0/1.1 | Configuration saved. | |

Mount an Update ISO

| ISO Configuration | | O HELP |
|-------------------|--|---------------|
| Mount Type | NFS3 | |
| Remote Share | 192.168.75.4:/AMPAG | |
| Remote ISO File | PrivateCloud-3.5.3-Updates-2021-11-16-prod.iso | |

Mount Status

| Mounted ISO | |
|--|---------|
| nfs 192.168.75.4:/AMPAG PrivateCloud-3.5.3-Updates-2021-11-16-prod.iso | Unmount |

✓ Mount

| Updates keep your Private Cloud device u | p to date. | | Download amp-sync |
|--|------------------|--|-------------------------------|
| | Check Update ISO | | |
| Content | | | |
| 3.5.2_202110122340 | | | Update Content |
| Client Definitions, DFC, Tetra Content Version | | | Import Protect DB |
| ABSENT | | - 10- | |
| Protect DB Version | | ISO contains Protect DB snapsi Import a Protect DB snapsh | hot version 20210531-0613. |
| A content update is available. | | | ot to your standalone device. |
| Software | | | |
| 3.5.2_202110130433 Private Cloud Software Version | | | Update Software |
| • A software update is available. | | | |

La falla de comprobación de integridad está relacionada con la protección de BD que no está disponible actualmente en el VPC



Protect DB importing

The device is currently importing a Protect DB snapshot. This process can take several hours.

| State | 🛗 Started | | ∰ Finished | O Duration | |
|--------------------------------|-------------------------------------|--------------------------|---------------|--------------------------------|---|
| Running | 2021-11-19 17:0 about 20 hours a | 4:05 +0000 ago | O Please wait | O Please wait | |
| ≣ Output | | | | | |
| Extraction 200.200 at 4.2 | MB/s eta: 0.00. |) مردد عر مرد عرف مرد |] | | ^ |
| Extraction 233.2GB at 4.2 | MB/s eta: 0:00:0 | 00 100% [==== |] | | |
| Snapshot Version 3 | | - | - | | |
| Going to drop disposition tab | les. | | | | |
| Dropping detections table. | | | | | |
| Dropping binaries table. | | | | | |
| Dropping binaries_detections | table. | | | | |
| Dropping samples table. | | | | | |
| Dropping publishers table. | | | | | |
| Dropping cas table. | | | | | |
| Dropping certificates table. | | | | | |
| Dropping cert_fingerprints ta | ble. | | | | |
| Recreating Protect DB tables | from the schema in | the snapshot. | | | |
| Importing Protect DB data (th | is may take some t | Lme). | | | |
| Importing detections table (t | his may take some t | time). | | | |
| Importing binaries table (thi | s may take some ti | ne). | | | |
| Tubol crug primites capte (cut | | | | | |

| cisc | AMP for Endpoints | Private Cloud Administration Port | al | Announcements | ? Help | C Logout |
|------|---|-----------------------------------|-----------|---------------|--------|----------|
| * | Configuration • Operations • | Status • Integrations • | Support - | 🖌 Standalo | one 📔 | • |
| Hor | ne / Operations - Update Device / Protect | DB Import Details | | | | |

Protect DB imported successfully

A Protect DB snapshot was successfully imported.

| State | 🛗 Started | 🛗 Finished | ② Duration | |
|-----------------------------|--|---|---------------|---|
| ✓ Successful | 2021-11-19 17:04:05 +0000 about 1 month ago | 2021-12-21 01:08:11 +0000 less than a minute ago | about 1 month | |
| _ | | | | |
| ≣ Output | | | | |
| Starting Tirenose_cassanur | a | | | ^ |
| Starting firehose_cassandra | a_replay | | | |
| Starting firehose_publishe | r | | | |
| Starting firehose_publishe | r_replay | | | |
| Starting install-token-api | | | | |
| Starting mgmt_unicorn | | | | |
| Starting mongo_event_consu | mer | | | |
| Starting portal_unicorn | | | | |
| Starting redis | | | | |
| Starting retro-dipper | | | | |
| Starting retrohose | | | | |
| Starting retrohose-replay. | | | | |
| Starting tevent_listener | • | | | |
| Starting crond | | | | |
| Starting flight | | | | |
| Starting docker | | | | |
| Sending notification (this | may take some time). | | | ~ |
| | | | | * |
| | ± Do∖ | wnload Output | | |

La siguiente actualización se inicia automáticamente



Importing Protect DB deltas.

Your Protect DB is being updated with threat intelligence that was queued during a previous content update. Each delta can take several hours to import, and system performance might be impacted during this time.

You should run content updates at the end of the business day or week to ensure updates are applied outside of peak use.



Después de este proceso muy largo de la importación de la base de datos Protect DB puede mover y actualizar la definición del cliente y el software que aproximadamente puede tomar más de 3 horas adicionales.

| cisc | • AMP for | Endpoints | Private Clou | d Administration Po | rtal | Announcements | ? Help | 🕒 Logou | ıt |
|------|-----------------------|---------------------|-----------------|---------------------|-----------|---------------|--------|----------|----|
| * | Configuration - | Operations - | Status 👻 | Integrations - | Support 👻 | 2ª Standalo | ne 🔽 | <u> </u> |] |
| Hon | ne / Operations - Upd | ate Device / Update | Content Details | 3 | | | | | |

Content updated successfully

The device successfully performed a content update.

| ✓ SuccessInt 2021-12-21 03:10:11 +0000 28 minutes ago 2021-12-21 03:37:53 +0000 less than a minute ago 28 minutes ■ > > > >< | | O Duration | 🛗 Finished | 🛗 Started | State |
|--|---|------------|---|---|-----------------------------|
| Attempting to mount an ISO, if one is present. PASS: The mount point / has sufficient space available: 23273033728 >= 1000000000 PASS: The mount point / has sufficient inodes available: 2018323 >= 100000 All checks succeeded! Repodata is over 2 weeks old. Install yum-cron? Or run: yum makecache fast Error: No matching Packages to list Resolving Dependencies > Running transaction check > Package AMP-PrivateCloud-content.x86_64 0:3.5.2_202110122340-0 will be updated > Package AMP-PrivateCloud-content.x86_64 0:20211117234515-0 will be an update > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be updated > Package fireamp-apde-signatures.x86_64 0:1935-1 will be updated > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-clamav-definitions.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update | | 28 minutes | 2021-12-21 03:37:53 +0000 less than a minute ago | 2021-12-21 03:10:11 +0000 28 minutes ago | ✓ Successful |
| Attempting to mount an ISO, if one is present. PASS: The mount point / has sufficient space available: 23273033728 >= 100000000 PASS: The mount point / has sufficient inodes available: 2018323 >= 100000 All checks succeeded! Repodata is over 2 weeks old. Install yum-cron? Or run: yum makecache fast Error: No matching Packages to list Resolving Dependencies > Running transaction check > Package AMP-PrivateCloud-content.x86_64 0:3.5.2_202110122340-0 will be updated > Package AMP-PrivateCloud-content.x86_64 0:20211117234515-0 will be an update > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a64 will be updated > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be an update > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-apde-signatures.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update | | | | | |
| Attempting to mount an ISO, if one is present. PASS: The mount point / has sufficient space available: 23273033728 >= 100000000 PASS: The mount point / has sufficient inodes available: 2018323 >= 100000 All checks succeeded! Repodata is over 2 weeks old. Install yum-cron? Or run: yum makecache fast Error: No matching Packages to list Resolving Dependencies > Running transaction check > Package AMP-PrivateCloud-content.x86_64 0:3.5.2_202110122340-0 will be updated > Package AMP-PrivateCloud-content.x86_64 0:3.4.0-0.1a64 will be updated > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be an update > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-apde-signatures.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update | | | | | |
| <pre>PASS: The mount point / has sufficient space available: 23273033728 >= 100000000 PASS: The mount point / has sufficient inodes available: 2018323 >= 100000 All checks succeeded! Repodata is over 2 weeks old. Install yum-cron? Or run: yum makecache fast Error: No matching Packages to list Resolving Dependencies> Running transaction check> Package AMP-PrivateCloud-content.x86_64 0:3.5.2_202110122340-0 will be updated> Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a64 will be updated> Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be an update> Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update> Package fireamp-apde-signatures.x86_64 0:1634076372-7 will be updated> Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update</pre> | Î | | | one is present. | Attempting to mount an ISO, |
| <pre>PASS: The mount point / has sufficient inodes available: 2018323 >= 100000 All checks succeeded! Repodata is over 2 weeks old. Install yum-cron? Or run: yum makecache fast Error: No matching Packages to list Resolving Dependencies > Running transaction check > Package AMP-PrivateCloud-content.x86_64 0:3.5.2_202110122340-0 will be updated > Package AMP-PrivateCloud-content.x86_64 0:20211117234515-0 will be an update > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a64 will be updated > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be an update > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-apde-signatures.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update</pre> | | | 033728 >= 1000000000 | fficient space available: 23273 | PASS: The mount point / has |
| All checks succeded! Repodata is over 2 weeks old. Install yum-cron? Or run: yum makecache fast Error: No matching Packages to list Resolving Dependencies > Running transaction check > Package AMP-PrivateCloud-content.x86_64 0:3.5.2_202110122340-0 will be updated > Package AMP-PrivateCloud-content.x86_64 0:20211117234515-0 will be an update > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a64 will be updated > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be an update > Package fireamp-apde-signatures.x86_64 0:935-1 will be updated > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be updated | | | 323 >= 100000 | fficient inodes available: 2018 | PASS: The mount point / has |
| Repodata is over 2 weeks old. Install yum-cron? Or run: yum makecache fast Error: No matching Packages to list Resolving Dependencies > Running transaction check > Package AMP-PrivateCloud-content.x86_64 0:3.5.2_202110122340-0 will be updated > Package AMP-PrivateCloud-content.x86_64 0:20211117234515-0 will be an update > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a64 will be updated > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be an update > Package fireamp-apde-signatures.x86_64 0:935-1 will be updated > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-apde-signatures.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update | | | | | All checks succeeded! |
| Error: No matching Packages to list Resolving Dependencies > Running transaction check > Package AMP-PrivateCloud-content.x86_64 0:3.5.2_202110122340-0 will be updated > Package AMP-PrivateCloud-content.x86_64 0:20211117234515-0 will be an update > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a64 will be updated > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be an update > Package fireamp-apde-signatures.x86_64 0:935-1 will be updated > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-clamav-definitions.x86_64 0:163706772-7 will be updated | | | akecache fast | Install yum-cron? Or run: yum m | Repodata is over 2 weeks of |
| <pre>Resolving Dependencies > Running transaction check > Package AMP-PrivateCloud-content.x86_64 0:3.5.2_202110122340-0 will be updated > Package AMP-PrivateCloud-content.x86_64 0:20211117234515-0 will be an update > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a64 will be updated > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be an update > Package fireamp-apde-signatures.x86_64 0:935-1 will be updated > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-clamav-definitions.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update</pre> | | | | list | Error: No matching Packages |
| > Running transaction check > Package AMP-PrivateCloud-content.x86_64 0:3.5.2_202110122340-0 will be updated > Package AMP-PrivateCloud-content.x86_64 0:20211117234515-0 will be an update > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a64 will be updated > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be an update > Package fireamp-apde-signatures.x86_64 0:935-1 will be updated > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-clamav-definitions.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update | | | | | Resolving Dependencies |
| <pre>> Package AMP-PrivateCloud-content.x86_64 0:3.5.2_202110122340-0 will be updated > Package AMP-PrivateCloud-content.x86_64 0:20211117234515-0 will be an update > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a64 will be updated > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be an update > Package fireamp-apde-signatures.x86_64 0:935-1 will be updated > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-clamav-definitions.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update</pre> | | | | | > Running transaction che |
| <pre>> Package AMP-PrivateCloud-content.x86_64 0:20211117234515-0 will be an update > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a64 will be updated > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be an update > Package fireamp-apde-signatures.x86_64 0:935-1 will be updated > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-clamav-definitions.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update</pre> | | | 2340-0 will be updated | content.x86_64 0:3.5.2_20211012 | > Package AMP-PrivateClo |
| <pre>> Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a64 will be updated > Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be an update > Package fireamp-apde-signatures.x86_64 0:935-1 will be updated > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-clamav-definitions.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update</pre> | | | -0 will be an update | content.x86_64 0:20211117234515 | > Package AMP-PrivateClo |
| <pre>> Package fireamp-amp-exprev-classifier.x86_64 0:3.4.0-0.1a76 will be an update > Package fireamp-apde-signatures.x86_64 0:935-1 will be updated > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-clamav-definitions.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update</pre> | | | a64 will be updated | v-classifier.x86_64 0:3.4.0-0.1 | > Package fireamp-amp-ex |
| > Package fireamp-apde-signatures.x86_64 0:935-1 will be updated > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-clamav-definitions.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update | | | a76 will be an update | v-classifier.x86_64 0:3.4.0-0.1 | > Package fireamp-amp-ex |
| > Package fireamp-apde-signatures.x86_64 0:1052-1 will be an update > Package fireamp-clamav-definitions.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update | | | pdated | atures.x86_64 0:935-1 will be u | > Package fireamp-apde-s |
| > Package fireamp-clamav-definitions.x86_64 0:1634076372-7 will be updated > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update | | | an update | atures.x86_64 0:1052-1 will be | > Package fireamp-apde-s |
| > Package fireamp-clamav-definitions.x86_64 0:1637186573-7 will be an update | | | will be updated | finitions.x86_64 0:1634076372-7 | > Package fireamp-clamav |
| | | | will be an update | finitions.x86_64 0:1637186573-7 | > Package fireamp-clamav |
| A Bashara finana finana fa waa a alagaagagaa ga will ba wabad | | | | 16 | · Baaliaaa filaaaaa filaaaa |

Y finalmente hecho, por favor tenga en cuenta que este proceso tomará mucho tiempo.

Para el dispositivo VPC visite esta TZ que contiene otros métodos de cómo actualizar el dispositivo HW, montar el archivo ISO y arrancar desde USB.

https://www.cisco.com/c/en/us/support/docs/security/amp-virtual-private-cloud-appliance/217134upgrade-procedure-for-airgapped-amp-priv.html#anc5

 \sim \sim AIRGAP SOLAMENTE \sim \sim

Resolución de problemas básicos

Problema #1: FQDN y servidor DNS

El primer problema que puede encontrar es si su servidor DNS no está establecido y todos los FQDN no están correctamente registrados y resueltos. El problema podría verse así cuando intente navegar a la consola de Secure Endpoint a través del icono "fire" de Secure Endpoint. Si sólo utiliza una dirección IP, funcionará, pero no podrá descargar el conector. Como puede ver en la 3^ª imagen a continuación.



Si modifica el archivo HOSTS en su máquina local como se muestra en la imagen, resuelva el problema y terminará con errores.

| $\leftarrow \rightarrow \neg \uparrow \square \rightarrow$ This | PC > Local Disk (C:) > Windows | > System32 > drivers > etc 🔫 | | _ | I hosts.txt - Notepad | - | × |
|---|--|---|--|--------------------------------------|--|---|---|
| Issue CERT Issue DNS Server OneDrive This PC BACKUP (E:) Backup Program Backup Video-A Cisco Stuff Documents GO-Pro Pictures KING16 (G:) Backup Program Backup Video-A Cisco Stuff Documents | Name A A A A A A A A A A A A A A A A A A A | Date modified 2/26/2012 - 220 AM 12/7/2019 4-12 AM 7/16/2016 7:45 AM 7/16/2016 7:45 AM 7/16/2016 7:45 AM | Type File SAM File File File File | Size 2 KB 4 KB 2 KB 2 KB | <pre>File Edit Format View Help # The IP address and the host name should be separated by at least one # space. # # ddditionally, comments (such as these) may be inserted on individual # lines or following the machine name denoted by a '#' symbol. # # for example: # # 102.54.94.97 rhino.acme.com # source server # 38.25.63.18 x.acme.com # x client host # localhost name resolution is handled within DNS itself. # 127.0.0.1 localhost 192.168.75.93 vpc-console.cyberworld.local 192.168.75.93 vpc-disposition.cyberworld.local 192.168.75.93 vp</pre> | | |

Recibe este error mientras intenta descargar el instalador de Secure Endpoint Connector.

| AMP for Endpoints | ۲ | ? Roman Valenta ~ | | | | | |
|--|--------|-------------------|--|--|--|--|--|
| Dashboard Analysis - Outbreak Control - Management - Accounts - | Search | Q | | | | | |
| A failure has occurred downloading an installer. Please contact support. | | × | | | | | |
| Download Connector | | | | | | | |
| Group Protect ~ | | | | | | | |

Después de solucionar algunos problemas, la única solución correcta era configurar el servidor DNS.

Address: 8.8.8.x#53 ** server can't find vPC-Console.cyberworld.local: NXDOMAIN

Una vez que registre todos los FQDN en su servidor DNS y cambie el registro en la nube privada virtual de DNS público a su servidor DNS, todo comenzará a funcionar como se supone que debe hacerlo.

| a a | Configuration • One | Prations + Status + | Integrations - | Support - | | | | |
|-------|--|---------------------|----------------|-----------|------------------------|-----------------|------------------------------|--------------------------------------|
| Con | Device Summary Change Password | network setting | S. | Support | | | | T |
| Adm | Cisco Cloud | | | | | eth0 / (| 00:0C:29: | A6:4A:1 |
| | Network Date and Time Certificate Authorities Proxy | | | | | IP Assignn | nent 192. Mo | 168.75.92 pre details |
| Inter | Notifications License Email Backup | | | | | eth1 / d | 00:0C:29: nent 192. Mo | A6:4A:18 168.75.93 pre details |
| | SSH Syslog Updates | | | IP A | IP Assignment | t Static | | ~ |
| | Services | | | Subne | Chec t Mask 255.255 | k for IP Addres | s conflicts | |
| | | | | Gá | ateway 192.168 | .75.1 | | |

Warning: Address and Hostname Changes

If you change the IP address of the interface you must also update the DNS records for each of your configured hostnames to point to the new address. AMP for Endpoints Connectors will expect services to be available at the original DNS names assigned to them.

View the Configuration help page for a list of affected services.

| DNS Server | 192.168.75.4 | - | | | |
|---|------------------------------------|---------|---------------|--------|-----------|
| AMP for Endpoints | rivate Cloud Administration Portal | Support | Announcements | ? Help | C+ Logout |
| Configuration • Operations • | Status • Integrations • Support • | | | - | • |
| Configuration Changed | Configuration saved. | | | | |
| Configuration changes do not take effect until reconfiguration is performed. | | | | | |
| the second se | | | | | |
| Reconfigure Now | | | | | |

| Configuration - C | operations - Status - Integrations - | Support - | 2 1 |
|---|--|--|------------------------------|
| Home / Operations - Apply Co | nfiguration / Details | | |
| State | 🛗 Started | 🛗 Finished | O Duration |
| ► Running | Sun Apr 11 2021 20:19:00 GMT-0400 (Eastern Daylight Time) 0 day, 0 hour, 1 minute, 45 seconds ago | ⑦ Please wait | ⊘ Please wait |
| Output [2021-04-12T00:20:43+00:0 [2021-04-12T00:20:40+00:0 [2021-04-12T00:20:40+00:0 [2021-04-10:00:0 [2021-04-1 | 00] DEBUG: Found current_uid == nil, so we 10] INFO: file[/tmp/cqlsh_check_superuser 10] DEBUG: Found current sid == pil so we | e are creating a new file, _password.cql] owner chang | updating owner ed to 4015 |

En este momento podrá iniciar sesión y descargar el conector



Se obtiene el asistente de política de Secure Endpoint inicial para su entorno. Le guía por la selección del producto antivirus que utiliza, si lo hubiera, así como del proxy y los tipos de políticas que desea implementar. Seleccione el botón Configurar... adecuado en función del sistema operativo del conector.

Aparece la página Productos de seguridad existentes, como se muestra en la imagen. Elija los productos de seguridad que utiliza. Genera automáticamente las exclusiones aplicables para evitar problemas de rendimiento en los terminales. Seleccione en **Siguiente**.

| MP for Endpoints Private Cloud A 🗙 🛦 Dashboard 🛛 🗙 🕂 | | - 0 | × |
|---|---|--|---|
| → C @ Ø Mttps://vpc2-consoli ′das | nboard/fresh 🗐 🚥 🕻 | ⊴☆ ⊪≀⊡® | ≡ |
| AMP for Endpoints | | Roman Valenta ~ | , |
| Dashboard | Search | | |
| Dashboard Inbox Overview Events Getting Started | Demo Computers | | |
| View Online Help Download Cisco AMP for Endpoints User Guide Download Cisco AMP for Endpoints Deployment Strategy Deploy AMP for Endpoints Connectors | WannaCry Click here to view PDF The WannaCry attack involves a remote compri (Server Message Block) service using the ETEF compromise, the attacker drops the WannaCry identified by AMP for Endpoints using ransomy later by AMP Cloud eignatures | omise through the Windows SMB RNALBLUE exploit. Upon system ransomware variant that is initially vare indicators of compromise, and | |
| Set Up Windows Connector | SFEicar Click here to view PDF Learn how Indications of Compromise can alert problems and how to determine their effects in | t you to potential malware Device Trajectory. | |
| Set Up Linux Connector | ZAccess Click here to view PDF Use Device Trajectory to watch a rootkit exploit computer, and use File Trajectory to discover w compromised. | t privilege escalation on a which other endpoints have been | |
| Demo Data allows you to see how Cisco AMP for Endpoints works by populating your Console with replayed data from actual malware infections. Enabling Demo Data will add computers and events to your Cisco AMP for Endpoints Console so | ZBot Click here to view PDF See how a vulnerable version of Internet Explor Use Device Trajectory to learn what happened | rer can expose you to malware. and use application blocking lists | |

you can see how the Dashboard, File Trajectory, Device Trajectory, Threat Root Cause, and Detections and Events displays behave when malware is detected. Demo Data can coexist with live data from your Cisco AMP for Endpoints deployment, however, because of the severity of some of the Demo Data

to stop the future execution of vulnerable programs.

CozyDuke Click here to view PDF

Trace a detection back to an abused DLL search path, block any communications to its upstream CnC, and deploy an Endpoint IOC to contain further attacks.

Descargar conector.

| board Analysis - Outbre | eak Control V Management V | Accounts ~ | Search | Q |
|---|--|--|---|---|
| Step 1: Existing Secu | rity Products | | | Opening amp_Protect.exe |
| Step 2: Set Up Proxy | | | | You have chosen to open: |
| Step 3: Download Co | nnector | | | imp_Protect.exe which is: exe File from: https://vpc-console.cyberworld.local |
| Audit Only Used when you're still learning about the product and want to install it without any impact to your existing systems. | Protect Used during normal operations and you want Cisco AMP for Endpoints to quarantine a file. Policy Details Files II Quarantined Network D Blocked Offline Engine TETRA Download | Triage Used when you have a known or suspected infected machine. Policy Details Files II Quarantined Network II Blocked Offline Engine TETRA Download | Server Used when you're installing a connector of standard Windows servers. | Save File Cancel on installing a connector on Windows Domain Controllers. |

Problema #2 - Problema con la CA raíz

El siguiente problema al que puede enfrentarse es que si utiliza sus propios certificados internos es que después de la instalación inicial, el conector puede mostrarse como desconectado.



Una vez instalado el conector, el terminal seguro puede considerarse como desconectado. Ejecute el paquete de diagnóstico y revise los registros, podrá determinar el problema.

| | Cisco AMP for Endpoints |
|-----------------|---|
| | Scan Now |
| | History Settings |
| | Status: Disconnected Scanned: Never Policy: Protect Isolation: Not Isolated Iterations About |
| Ack me anuthing | ן אריין אין אין אין אין אין אין אין אין אין |

En función de este resultado recopilado del paquete de diagnóstico, puede ver el error de CA raíz

(804765, +0 ms) Mar 06 00:47:07 [8876]: [http_client.c@1011]: GET request https://vPC-Console.cyberworld.local/health failed (60): SSL peer certificate or SSH remote key was not OK (SSL certificate problem: unable to get local issuer certificate) (804765, +0 ms) Mar 06 00:47:07 [8876]: [http_client.c@1051]: async request failed (SSL peer certificate or SSH remote key was not OK) to https://vPC-Console.cyberworld.local/health (804765, +0 ms) Mar 06 00:47:07 [8876]: [http_client.c@1074]: response failed with code 60

Una vez que haya cargado la CA raíz en el almacén de CA raíz de confianza y reinicie el servicio de punto final seguro. Todo empieza a funcionar como se esperaba.

| AMP-vPC | Cisco AMP for Endpoints Scan Now History Settings | Certificate General Details Certification Path Certificate Information This CA Root certificate is not trusted. To enable trust, install this certificate in the Trusted Root Certification Authorities store. | |
|---------|--|--|-----------|
| | Status: Disconnected Scanned: Never Policy: protect Isolation: Not Isolated | Issued to: AMP-vPC Issued by: AMP-vPC Valid from 4/9/2021 to 4/9/2031 Install Certificate] Issuer Statem | ent ox |
| | | | |

| AMP-vPC | | ← 🔑 Certificate Import Wizard |
|---------|---|--|
| | Cisco AMP for Endpoints | Welcome to the Certificate Import Wizard |
| | Scan Now | This wizard helps you copy certificates, certificate trust lists, and certificate revocation |
| | History | ists from your disk to a certificate store. |
| | Setungs | and contains information used to protect data or to establish secure network connections. A certificate store is the system area where certificates are kept. |
| | Status: Disconnected Scanned: Never Policy: Protect | Store Location |
| | Isolation: Not Isolated | Cocal Machine To continue, dick Next. |
| | All and a second | |
| | | |
| | | Sext Cancel |

| AMP-vPC | | |
|---------|--|---|
| | Cisco AMP for Endpoints | Certificate Store Certificate stores are system areas where certificates are kept. |
| | Scan Now | |
| | History | Windows can automatically select a certificate store, or you can specify a location for the certificate. |
| | Settings | Automatically select the certificate store based on the type of certificate Image: Store Stor |
| | Status: Disconnected Scanned: Never Policy: Protect Isolation: Not Isolated | Select Certificate Store X Browse Browse |
| | cisco About | Personal Trusted Root Certification Authorities Enterprise Trust |
| | AT I | Intermediate Certification Authorities Trusted Publishers Intrusted Certificates |
| | | Show physical stores |
| | | OK Cancel Next Cancel |



| | | Gertificate | × | |
|-----------------------|--|--|--|--|
| AMP-vPC | | General Details Certification Pati | h | |
| | Cisco AMP for Endpoints | Certificate Informat | tion | |
| | Scan Now | This CA Root certificate is r install this certificate in the Authorities store. | i not trusted. To enable trust, he Trusted Root Certification | |
| | History | | Certificate Import Wizard X | |
| | Settings | | The import was successful. | |
| AND IN THE REAL POINT | Status: Disconnected | Issued to: AMP-vPC | | |
| | Policy: Protect Isolation: Not Isolated | Issued by: AMP-vPC | ОК | |
| | cisco About | Valid from 4/9/2021 to | o 4/9/2031 | |
| | | | stal Certificate | |
| | | | | |
| | | | ОК | |



Una vez rebotado, el conector de servicio de terminal seguro se conecta como se esperaba.

| Name PID Description Status Cisco AMP for Endpoints CDPUserSvc Connected Devices Platform User Se Stoppe Scan Now Scan Now CertifropSvc 2216 Certificate Propagation | Group UnistackSvcGr |
|--|------------------------|
| Scan Now Scan Now Connected Devices Platform User Se Stoppe Scan Now CertPropSvc 2216 Certificate Propagation Runnin | UnistackSvcGr |
| Scan Now 2216 Certificate Propagation Runnin | |
| Scall NOW Scalt PropSyc 2216 Certificate Propagation Runnin | g UnistackSvcGr |
| |) netsvcs |
| History Giscovery 7.3.1 228 Cisco AMP for Endpoints Connector Kunnin | |
| CISCOSCIME_T.S.1 2044 CiscoScience(Control Control Con | |
| Settings | y wsappx |
| CoreMessacingRegistrar 2384 CoreMessacing Registrar | LocalServiceN |
| Status: Connected CryptSyc 2576 Cryptographic Services Runnin | NetworkService |
| Scanned: Never CscService Offline Files Stoppe | LocalSystemN |
| Policy: Protect @DcomLaunch 880 DCOM Server Process Launcher Runnir | DcomLaunch |
| Isolation: Not Isolated 🌾 defragsvc Optimize drives Stoppe | i defragsvc |
| About | |

| \rightarrow C \triangle \square \triangle https://vpc2-console | lashboard 8 | ∞ … ▽ ☆ |
|--|--|---|
| Dashboard Analysis V Outbreak Control V Management V Accounts V | | (Search Q) |
| Dashboard Inbox Overview Events | | |
| Refresh All Auto-Refresh V O | Reset New Filter Inbox Status 0 Require Attention ③ 0 In Progress ③ 0 Resolved | 30 døys v 2021-03-13 01:43 2021-04-12 01:43 UTC |
| Compromises 0 | Quarantined Detections | view Vulnerabilities |
| Top Q / 1 | Top Q 0 | /1 Top Q /1 |
| Protect | Protect | Threat Grid Analysis 0 Automatic Analysis Submissions 0 Retroactive Threat Detections |
| | | Statistics 0 Files Scanned 0 Network Connections Logged |
| AR APR | 13 14 15 16 17 16 19 20 21 22 23 24 25 20 27 20 29 30 31 1 2 3 4 5 6 7 8 9 10 11 MAR | Connectors |
| ignificant Compromise Artifacts 💿 | Compromise Event Types 💿 | 1 Connectors |
| No artifacts | No event types | 0 Install Failures Quick Start Set Up Windows Connector Set Up Mac Connector Set Up Mac Connector |

Actividad maliciosa comprobada



Acerca de esta traducción

Cisco ha traducido este documento combinando la traducción automática y los recursos humanos a fin de ofrecer a nuestros usuarios en todo el mundo contenido en su propio idioma.

Tenga en cuenta que incluso la mejor traducción automática podría no ser tan precisa como la proporcionada por un traductor profesional.

Cisco Systems, Inc. no asume ninguna responsabilidad por la precisión de estas traducciones y recomienda remitirse siempre al documento original escrito en inglés (insertar vínculo URL).