
DÉPLOIEMENT DU WITNESS

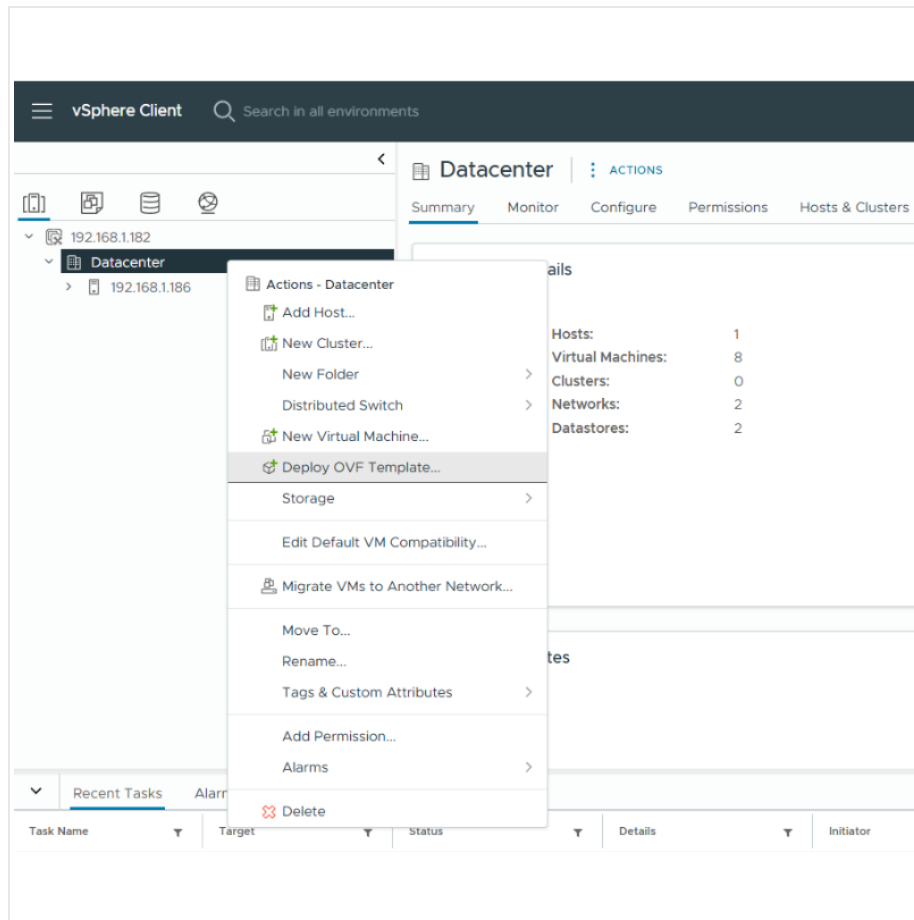
Déploiement de l'appliance vSAN Witness via vSphere

Procédure complète d'import et de configuration de la VM Witness nécessaire au fonctionnement du cluster vSAN en mode 2 nœuds.

Projet	Cluster VMware vSAN – BTS SIO SISR
Auteur	Sasiraj GUNARATNARAJAH
Date	Février 2026

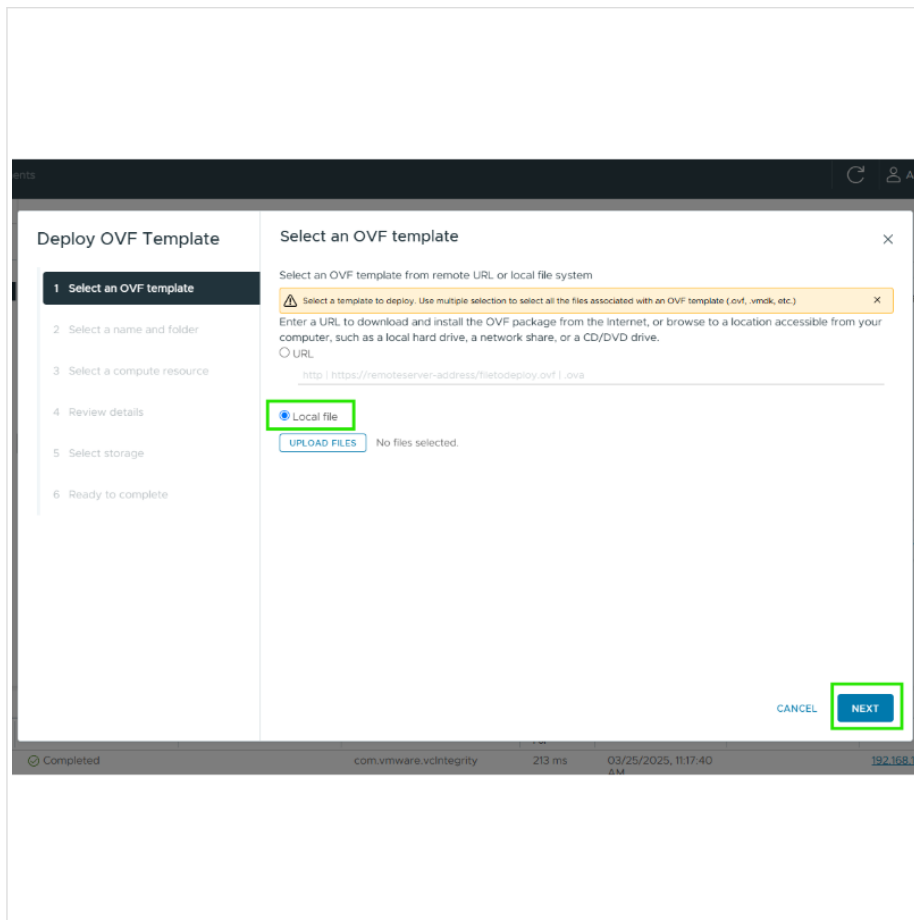
1. Sélection du Template OVF

Accéder à vSphere et cliquer sur Actions > Deploy OVF Template. Cette option permet d'importer une machine virtuelle préconfigurée à partir d'un fichier OVF/OVA.



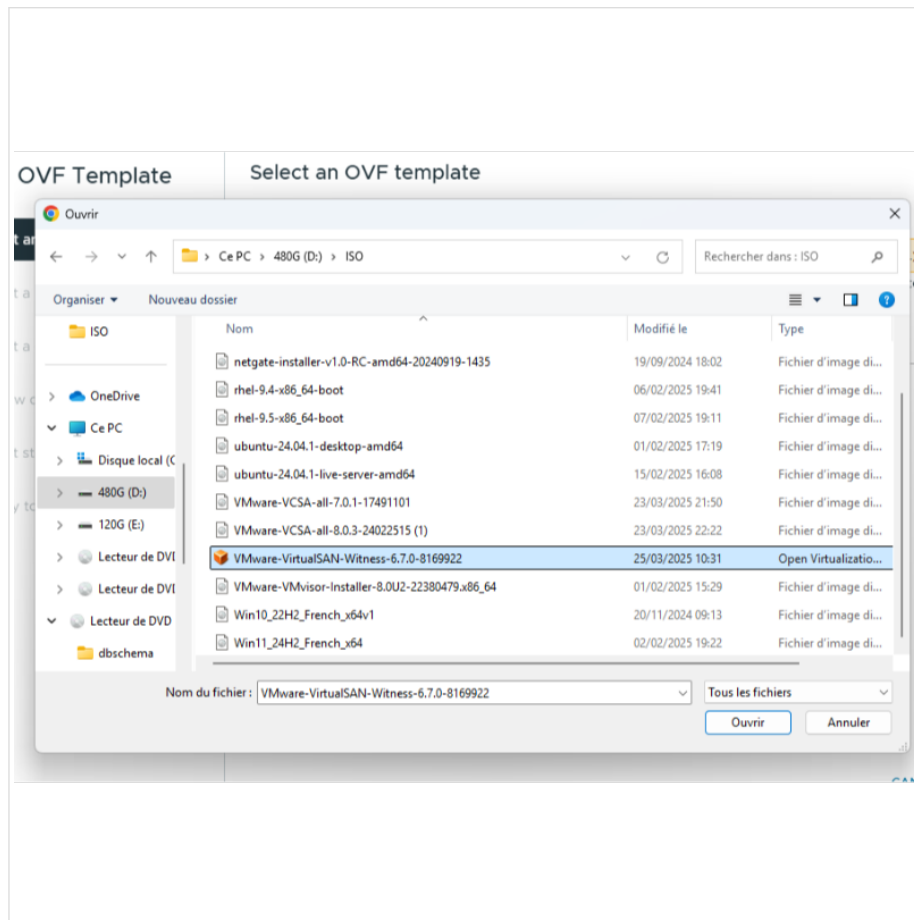
2. Importer le fichier OVA

Choisir l'option Local file pour importer un fichier depuis le poste local.



3. Sélection du fichier OVA

Sélectionner le fichier Witness dans le répertoire approprié.



4. Définition du nom et de l'emplacement

Indiquer un nom pour la machine virtuelle, puis sélectionner l'emplacement (dossier ou datacenter) dans lequel elle sera déployée.

The screenshot shows a web-based deployment wizard titled "Deploy OVF Template". On the left is a vertical sidebar with six steps: "1 Select an OVF template", "2 Select a name and folder" (which is highlighted with a dark background and a green vertical bar), "3 Select a compute resource", "4 Review details", "5 Select storage", and "6 Ready to complete". The main area is titled "Select a name and folder" and includes a close button (X) in the top right corner. Below the title, it says "Specify a unique name and target location". There is a text input field labeled "Virtual machine name:" containing the text "Witness 192". Below this, it says "Select a location for the virtual machine." and shows a tree view with a collapsed folder "192.168.1.182" and an expanded sub-item "Datacenter" which is highlighted. At the bottom right of the main area are three buttons: "CANCEL", "BACK", and "NEXT".

5. Vérification des informations du modèle

Une synthèse des informations relatives au modèle est affichée, cliquer sur Next.

Deploy OVF Template

- 1 Select an OVF template
- 2 Select a name and folder
- 3 Select a compute resource
- 4 Review details**
- 5 License agreements
- 6 Configuration
- 7 Select storage
- 8 Select networks
- 9 Customize template
- 10 Ready to complete

Review details

Verify the template details.

Publisher	VMware, Inc. (Trusted certificate)
Product	VMware vSAN Witness Appliance
Version	6.7
Vendor	VMware, Inc.
Description	VMware vSAN Witness Appliance
Download size	465.6 MB
Size on disk	Unknown (thin provisioned) 1.4 TB (thick provisioned)

CANCEL BACK NEXT

6. Acceptation des conditions d'utilisation

Lire et accepter les termes du contrat de licence utilisateur final (EULA) afin de poursuivre le déploiement.

Deploy OVF Template

1 Select an OVF template

2 Select a name and folder

3 Select a compute resource

4 Review details

5 License agreements

6 Configuration

7 Select storage

8 Select networks

9 Customize template

10 Ready to complete

License agreements

The end-user license agreement must be accepted.
Read and accept the terms for the license agreement.

VMWARE END USER LICENSE AGREEMENT

PLEASE NOTE THAT THE TERMS OF THIS END USER LICENSE AGREEMENT SHALL GOVERN YOUR USE OF THE SOFTWARE, REGARDLESS OF ANY TERMS THAT MAY APPEAR DURING THE INSTALLATION OF THE SOFTWARE.

IMPORTANT-READ CAREFULLY: BY DOWNLOADING, INSTALLING, OR USING THE SOFTWARE, YOU (THE INDIVIDUAL OR LEGAL ENTITY) AGREE TO BE BOUND BY THE TERMS OF THIS END USER LICENSE AGREEMENT ("EULA"). IF YOU DO NOT AGREE TO THE TERMS OF THIS EULA, YOU MUST NOT DOWNLOAD, INSTALL, OR USE THE SOFTWARE, AND YOU MUST DELETE OR RETURN THE UNUSED SOFTWARE TO THE VENDOR FROM WHICH YOU ACQUIRED IT WITHIN THIRTY (30) DAYS AND REQUEST A REFUND OF THE LICENSE FEE, IF ANY, THAT YOU PAID FOR THE SOFTWARE.

EVALUATION LICENSE: If You are licensing the Software for evaluation purposes, Your use of the Software is only permitted in a non-production environment and for the period limited by the License Key. Notwithstanding any other provision in this EULA, an Evaluation License of the Software is provided "AS-IS" without

☐ I accept all license agreements.

CANCEL

BACK

NEXT

7. Choix de la configuration

Sélectionner le niveau de configuration : Tiny pour les environnements de test ou avec un nombre limité de VMs (jusqu'à 10). Cette sélection affecte automatiquement les ressources CPU, RAM et disque de l'appliance.

Deploy OVF Template

- 1 Select an OVF template
- 2 Select a name and folder
- 3 Select a compute resource
- 4 Review details
- 5 License agreements
- 6 Configuration**
- 7 Select storage
- 8 Select networks
- 9 Customize template
- 10 Ready to complete

Configuration [X]

Select a deployment configuration

- ☒ Tiny (10 VMs or fewer)
- ☐ Medium (up to 500 VMs)
- ☐ Large (more than 500 VMs)

Description

Configuration for Tiny vSAN
Deployments with 10 VMs or fewer
* 2 vCPUs * 8GB vRAM * 1x 12GB
ESXi Boot Disk * 1x 15GB Magnetic
Disk * 1x 10GB Solid-State Disk *
Maximum of 750 Witness
Components

3 Items

CANCEL BACK NEXT

8. Sélection du stockage

Choisir un datastore disposant d'un espace suffisant pour accueillir l'appliance.

Deploy OVF Template

- 1 Select an OVF template
- 2 Select a name and folder
- 3 Select a compute resource
- 4 Review details
- 5 License agreements
- 6 Configuration
- 7 Select storage**
- 8 Select networks
- 9 Customize template
- 10 Ready to complete

Select storage

Select the storage for the configuration and disk files
☐ Encrypt this virtual machine (Requires Key Management Server)

Select virtual disk format Thick Provision Eager Zeroed ▾

VM Storage Policy Datastore Default ▾

☐ Disable Storage DRS for this virtual machine

	Name	Storage Compatibility	Capacity	Provisioned	Free	TY
☐	datastore-games	--	558.75 GB	1.23 TB	449.15 GB	V
☒	datastore1	--	709.5 GB	289.65 GB	473.33 GB	V

Manage Columns Items per page 10 ▾ 2 items

Compatibility
✓ Compatibility checks succeeded.

CANCEL BACK NEXT

9. Configuration du réseau

Associer les interfaces réseau du modèle aux réseaux virtuels existants.

Deploy OVF Template

- 1 Select an OVF template
- 2 Select a name and folder
- 3 Select a compute resource
- 4 Review details
- 5 License agreements
- 6 Configuration
- 7 Select storage
- 8 Select networks**
- 9 Customize template
- 10 Ready to complete

Select networks

Select a destination network for each source network.

Source Network	Destination Network
Management Network	VM Network ▾
Witness Network	VM Network ▾

[Manage Columns](#) 2 items

IP Allocation Settings

IP allocation: Static - Manual

IP protocol: IPv4

[CANCEL](#) [BACK](#) [NEXT](#)

10. Personnalisation et mot de passe

Définir un mot de passe fort pour le compte root de l'appliance. Celui-ci doit respecter les exigences de sécurité : au moins 7 caractères, avec majuscules, minuscules, chiffres et caractères spéciaux.

The screenshot shows the 'Customize template' step of the 'Deploy OVF Template' wizard. On the left, a sidebar lists 10 steps: 1. Select an OVF template, 2. Select a name and folder, 3. Select a compute resource, 4. Review details, 5. License agreements, 6. Configuration, 7. Select storage, 8. Select networks, 9. Customize template (highlighted), and 10. Ready to complete. The main panel is titled 'Customize template' and contains a message 'All properties have valid values'. Below this, a table lists settings. The 'Root password' setting is expanded, showing a description of password requirements (at least 7 characters, mix of upper and lower case letters, digits, and other characters) and two input fields: 'Password' and 'Confirm Password', both masked with asterisks. At the bottom right, there are 'CANCEL', 'BACK', and 'NEXT' buttons.

Uncategorized	1 settings
Root password	Set password for root account. A valid password must be at least 7 characters long and must contain a mix of upper and lower case letters, digits, and other characters. You can use a 7 character long password with characters from at least 3 of these 4 classes. An upper case letter that begins the password and a digit that ends it do not count towards the number of character classes used. Password Confirm Password

11. Récapitulatif final

Une synthèse complète est affichée avec tous les paramètres choisis. Cliquer sur Finish pour lancer le déploiement de la VM Witness.

Deploy OVF Template

- Select an OVF template
- Select a name and folder
- Select a compute resource
- Review details
- License agreements
- Configuration
- Select storage
- Select networks
- Customize template
- Ready to complete**

Ready to complete

✓ Select a name and folder

NameWitness 192
Template nameVMware-VirtualSAN-Witness-6.7.0-8169922
FolderDatacenter

✓ Select a compute resource

Resource192.168.1.186

✓ Review details

Download size465.6 MB

✓ Select storage

Size on disk1.4 TB
Storage mapping1
All disksDatastore: datastore1; Format: Thick provision eager zeroed

✓ Select networks

Network mapping2
ManagementVM Network
NetworkWitnessVM Network
Network
IP allocation settings
IP protocolIPv4
IP allocationStatic - Manual

✓ Customize template

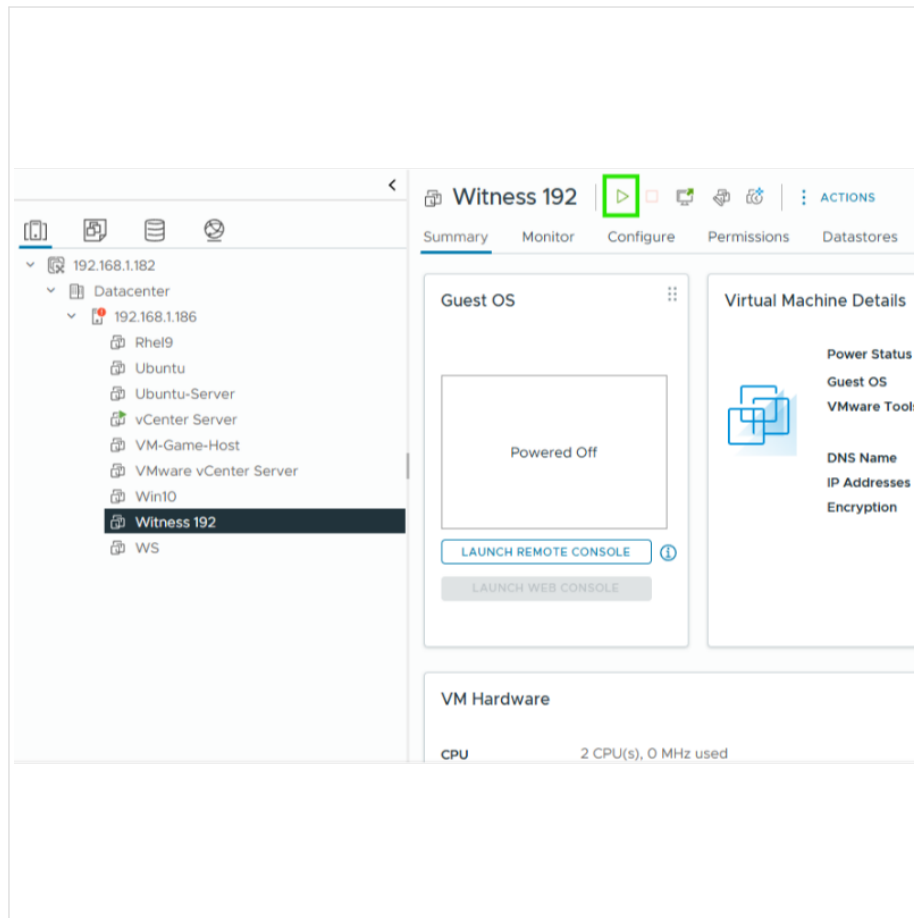
CANCEL

BACK

FINISH

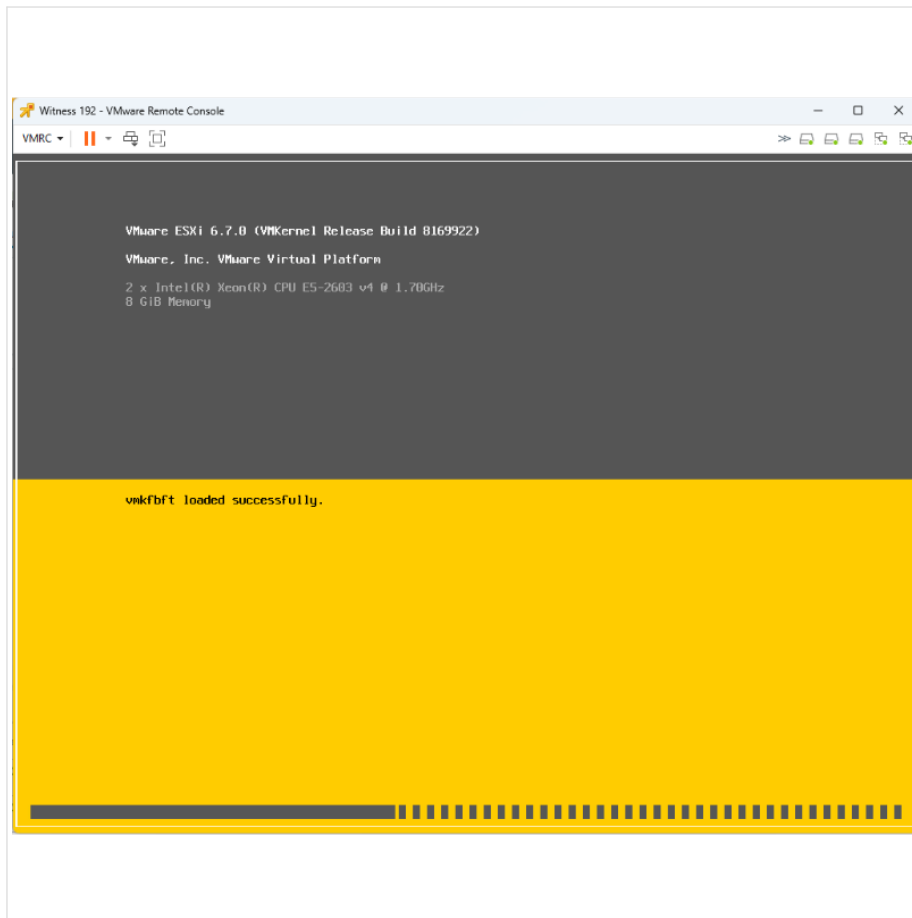
12. Démarrage de la VM Witness

Accéder à la liste des VMs, sélectionner Witness 192, puis cliquer sur le bouton de démarrage pour lancer l'environnement.



13. Chargement de la VM Witness

La VM Witness se charge automatiquement. L'écran d'accueil confirme la détection du matériel virtuel et initie la préparation du système.



14. Interface de configuration initiale

Une fois chargé, accéder à l'écran de personnalisation du système pour configurer le mot de passe, la gestion réseau et d'autres paramètres si nécessaire.

