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## Installing/Updating the Falcon sensor for Windows with Linked or Inst...

Solution: Falcon Management Console

Product: Hosts

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### Objective

- Install the sensor on non-persistent VDI machines created using Linked or Instant Clones
- Update the VDI image used with Linked or Instant clones

### Applies To

- All [supported versions of the Falcon sensor for Windows \(/s/article/Sensor-Release-Matrix-Windows\)](/s/article/Sensor-Release-Matrix-Windows).
- All support Windows operating systems
- Linked or Instant clones (or similar technology)
- Non-persistent virtual machines

### Procedure

#### Installing the Falcon sensor for Windows on Linked or Instant Clones:

1. Create the VDI image configured with all needed software and patches
2. Once all other software has been installed and the image has been configured to a desired state proceed with installing the Falcon sensor using both NO\_START=1 and VDI=1. The command line will look similar to the following example, using your customer ID for the CID:
  - WindowsSensor.exe /install /norestart CID=1234567890 VDI=1 NO\_START=1
3. The VDI image is then shut down and a snapshot taken
4. The snapshot is then used to create the VDI Pools

#### **important to note:**

- The Falcon sensor should be installed last without any reboots occurring, before shutting down the image and taking the snapshot. If any reboots are needed during the image creation ensure these are completed before installing the sensor. This is to ensure that the sensor service is not starting on the VDI image (with the use of NO\_START=1)
- The sensor is not supported to be installed as part of bundled apps

#### Updating the VDI image used with Linked or Instant clones:

- Completely uninstall the sensor from the VDI image, reboot, and then reinstall the sensor using the latest version
1. When the image is brought up for making changes and/or updates uninstall the Falcon sensor
  2. Reboot the image to ensure a clean removal of the sensor
  3. Once the image is back up apply any other changes and updates needed
    - If a reboot is required during updating complete the reboot prior to reinstalling the sensor
  4. Reinstall the latest release of the Falcon sensor using both VDI=1 and NO\_START=1
  5. Shut the image down and take a snapshot used for recomposing the pooled machines
    - If the sensor is not uninstalled/rebooted/reinstalled when the image is brought back up to make changes, you could possibly start to see duplicated hostnames of both the VDI image and pooled machines on the Host Management page.

For details on where to find the sensor installer please refer to: [Where do I download the Falcon sensor installers? \(/s/article/ka16T000000wvTzQAI\)](/s/article/ka16T000000wvTzQAI)

## Additional Information

- When VDI=1 is used only the VDI pooled machines must meet all of the following criteria:
  - It is non-persistent
  - It is domain joined,
  - It uses an FQDN
- If the pooled machine is not domain joined prior to the Falcon sensor triggering an agent online event, the cloud will assign a new host ID and duplicated hostnames could be seen on the Host Management page.
- The sensor is not supported to be installed as part of bundled apps
- It is never advised to delete the registry keys stored locally that contain the sensors host ID value on non-persistent machines
- When VDI=1 is used to install, the cloud uses the Fully Qualified Domain Name (FQDN) of a machine as a unique identifier
- NO\_START=1 is used to prevent the sensor service from starting until the first next boot of a machine, and is only valid one time
- Please refer to the following link if you are not using linked or instant clones:
  - [\[Index\] Falcon sensor on gold image, VM, and VDI templates \(/s/article/ka16T000000wvjcQAA\)](/s/article/ka16T000000wvjcQAA).

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