

Virtualization Discovery and Inventory Details Custom Views

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# Document history

| **Date** | **Revision** | **Description** | **Author(s)** |
| --- | --- | --- | --- |
| **April 11, 2018** | 1 | Initial revision | Nicolas Rousseau |
| **August 23, 2018** | 4 | Fix on VM status in the *Virtualization Overview incl. vCenter* view. | Nicolas Rousseau |
| **Sept 2, 2019** | 5 | Added the vCenter name based on IP Address match in the *Virtualization Overview incl. vCenter* view | Nicolas Rousseau |
| **Apr 21 2020** | 6 | Added vCenter Name based on virtualization management table | Nicolas Rousseau |
| **June 25 2020** | 7 | Renamed columns, converted bytes into GB, changed VM Status | Nicolas Rousseau |
| **September 25 2020** | 8 | Added the hosts and inventoried vms entity information in the View code for Virtualization Overview incl. vCenters (NR) report. | Nicolas Rousseau |

# Related documents

| **Document name** | **Reference** |
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# Goal of the view and approach

## Goal

The two views described in this document aim providing more visibility into virtualized infrastructures, particularly clusters.

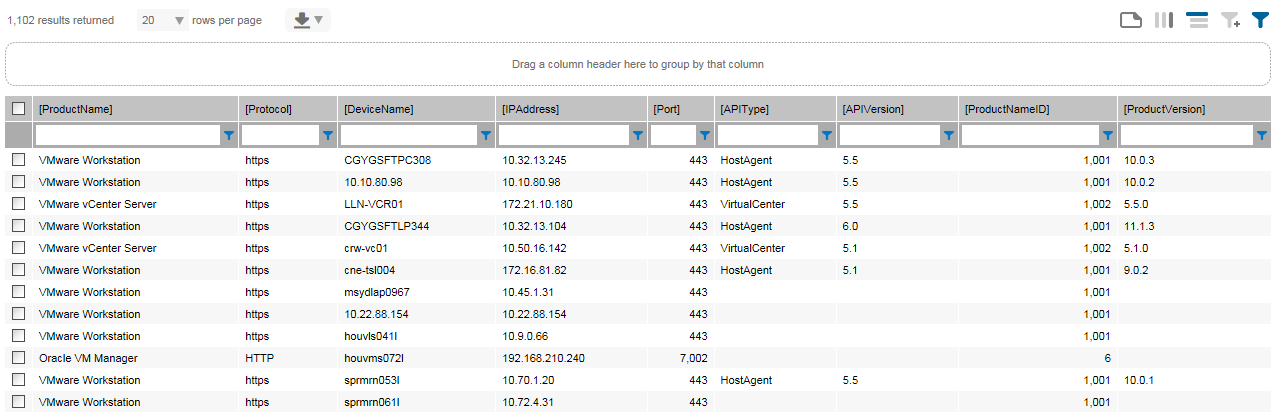
* A first Virtualization Discovery details provides information on Hypervisors (vCenters, HyperV, Oracle VMs hosts, ESX servers) that have been discovered online by the beacons
* A second view deep dives into vCenter inventory: list of vCenters (not visible in FNMS), Clusters, Hosts and Voirtual Machines, including the virtual machines not inventoried by FNMS (that are not visible in FNMS UI).

These views bring the following value:

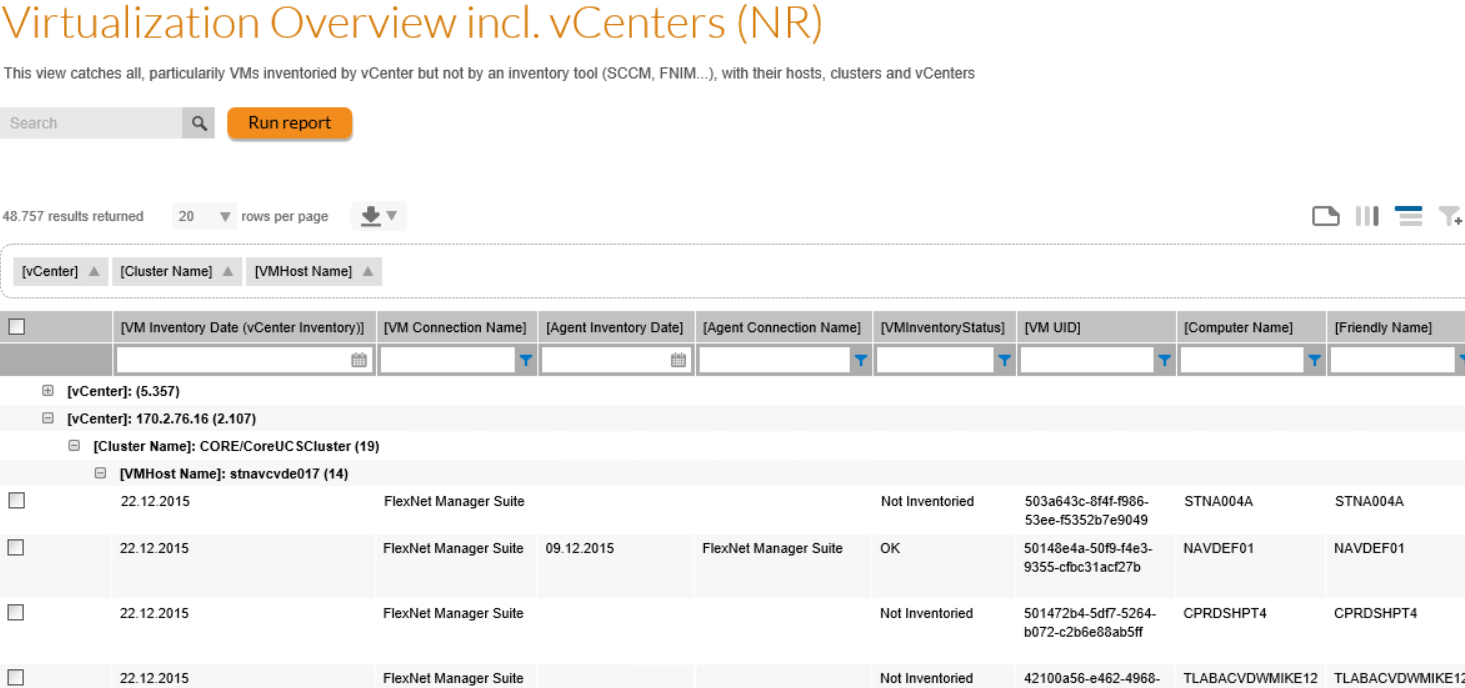
* The first view points to vCenters that may not yet be set for inventory in Inventory and Discovery rules, or that fail being inventoried (no valid password set on beacons). If you compare the list of active vCenters of view one with the list of inventoried vCenters in view two, you know where you should focus your vCenter inventory efforts
* Second view
  + Gives the list of vCenters and their links to Clusters, hosts and VMs. This can be useful in the context of discussions with Oracle (where Oracle Database are supposed to be licensed at vCenter level for versions of vCenter greater than 5.0)
  + Identifies VMs that are managed by inventoried vCenters but not inventoried by FlexNet Inventory Manager or other inventory tools (and that have no record in the “All Inventory” screen). These VMs are flagged as “Inventoried = Not Inventoried”)

## Preview

### Virtualization Discovery Details (NR)



### Virtualization Overview incl. vCenters (NR)



# Views creation code (FNMS 2016 and later)

To create the views, please copy and paste the code in the embedded Word Documents below making sure you are on the SAM database of FNMP (often named FNMSCompliance, FNMS or FNMP)

## View code for Virtualization Discovery Details (NR)



## View code for Virtualization Overview incl. vCenters (NR)

View creation script



Data extraction script



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