

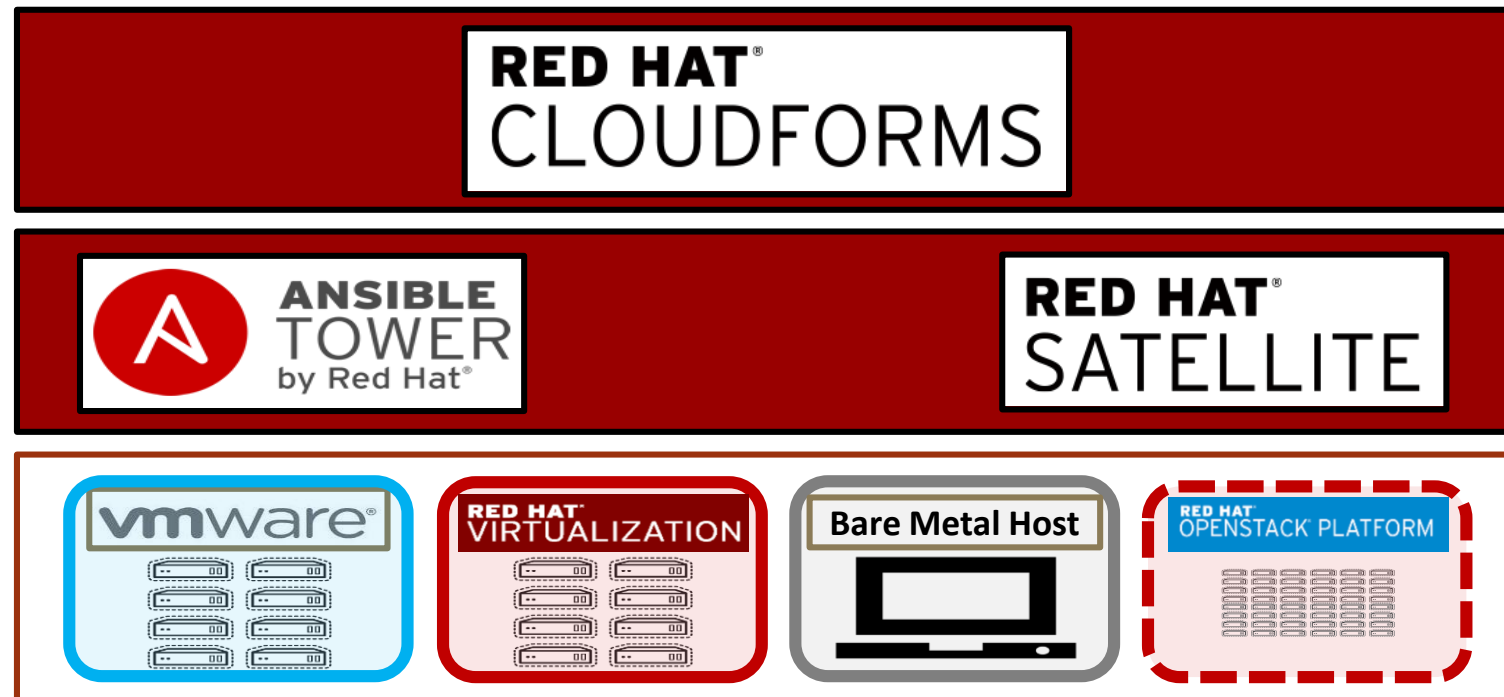


Ansible Tower ile Sunucu Kurulum Otomasyonu

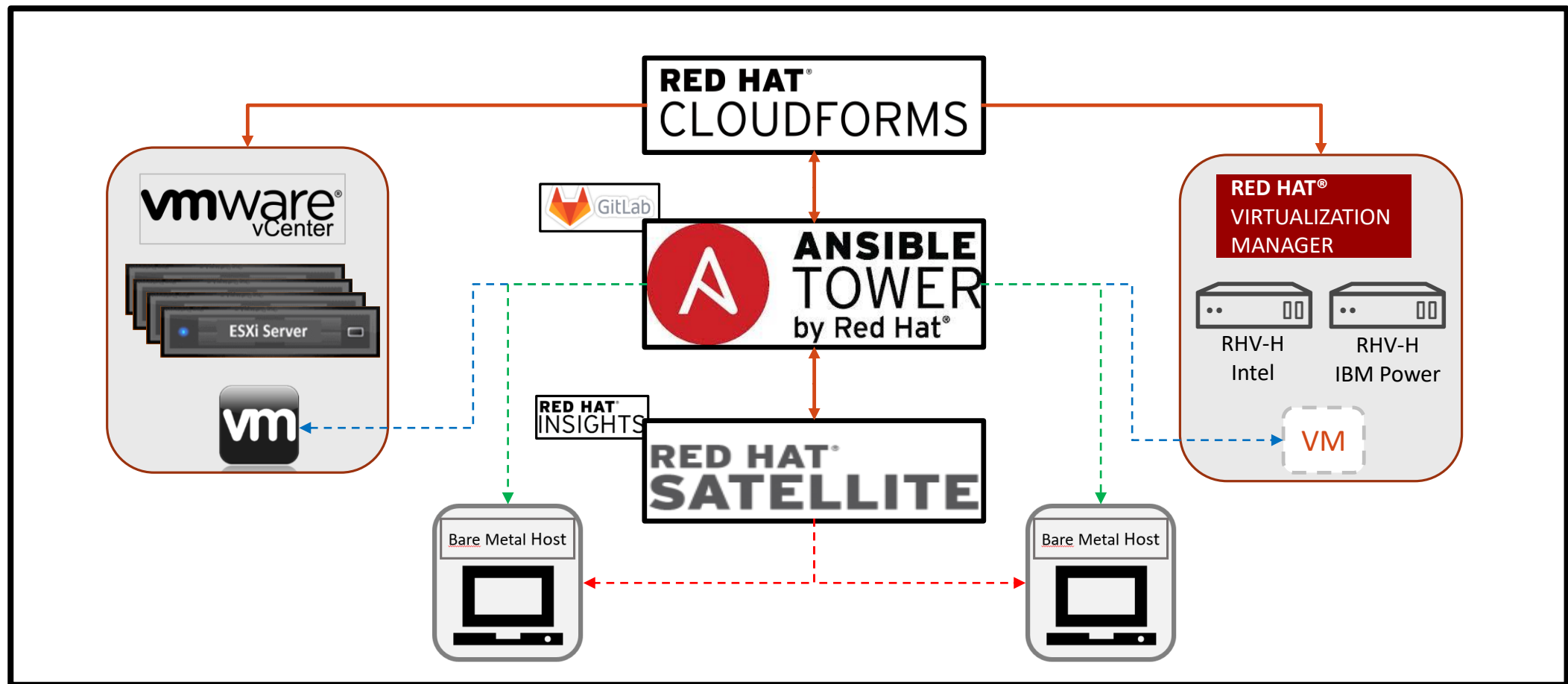
RED HAT FORUM TÜRKİYE - 2018




Konzept








Mimari







Ansible ve Ansible Tower

 Ansible, açık kaynak kodlu bir konfigürasyon yönetim ve IT otomasyon projesidir.

-  Ajansız kullanım
-  Kolay yazılır/okunur YAML sözdizimi
-  Zengin modül desteği (~2000)
-  Platform bağımsız

 Ansible Tower, Ansible playbook'ların merkezi yönetim ve kontrolünün yapılabildiği kurumsal ölçekte bir yönetim platformudur.

-  Erişim kontrolü ve yetkilendirme
-  Denetim log'ları
-  Rest API desteği
-  SCM (Source Code Management) entegrasyonu



Ansible Tower

- ? Kim, ne zaman, hangi işi, nerede çalıştırdı?
- ? İş nasıl sonuçlandı?
- ? Ansible Tower'da kim hangi değişikliği yaptı?
- ? İşin sunucu bazında gerçek zamanlı durumu nedir?
- ? Sırada çalışacak işler nelerdir?
- ? Çalışan işin output'u ne oldu?

The screenshot displays the Ansible Tower web interface. The top navigation bar shows the user 'admin' and various system icons. The main content area is titled 'ACTIVITY STREAM' and contains a table of activity entries. The table has columns for 'TIME', 'INITIATED BY', 'EVENT', and 'ACTIONS'. Below the table, there are two detailed views:

- Job Details View:** Shows a job titled 'Deploy software' with a status of 'Successful'. It includes fields for 'STARTED' (7/20/2018 6:17:31 PM), 'FINISHED' (7/20/2018 6:17:44 PM), 'JOB TEMPLATE' (Deploy software), 'JOB TYPE' (Run), 'LAUNCHED BY' (admin), 'INVENTORY' (Cloud dev environment), 'PROJECT' (Deployment), 'PLAYBOOK' (deploy.yml), 'CREDENTIAL' (AWS tower key), 'INSTANCE GROUP' (tower), and 'EXTRA VARIABLES' (containing 'jobs').
- Job Output View:** Shows the execution details for the 'Deploy software' job. It lists tasks and their results for hosts 18.191.217.178 and 18.218.6.107. The tasks include 'PLAY [all]', 'TASK [Check required permissions]', 'TASK [Fix permissions if needed]', 'TASK [Deploy updates]', and 'TASK [Restart service]'. The output shows that all tasks were successful (ok=3) and no errors occurred (changed=2, unreachable=0, failed=0).

Ansible Tower

? Birden fazla playbook'u sıralı ve başarılı/hatalı sonlanma koşuluna bağlı olarak çalıştırmak mümkün mü?

? Periyodik işler tanımlamak mümkün mü?

The image displays two overlapping screenshots from the Ansible Tower web interface. The top screenshot, titled "EDIT WORKFLOW", shows a workflow diagram with a "START" node connected to "Job Template 1". From "Job Template 1", the flow branches into "Job Template 2" (green line, On Success) and "Job T" (red line, On Fail). "Job Template 2" further branches into "Job Template 4" (green line, On Success) and another "Job T" (red line, On Fail). A legend at the top indicates: On Success (green), On Fail (red), Always (blue), Project Sync (P), and Inventory Sync (I). The bottom screenshot shows the "TOWER" interface for creating a schedule. The breadcrumb path is "TEMPLATES / Remediate configuration / SCHEDULES / CREATE SCHEDULE". The schedule is named "Daily remediation" and is set to start on "7/20/2018" in the "America/New_York" time zone. The repeat frequency is set to "Day". The frequency details show "EVERY 1 DAYS" and "END Never".

Ansible Playbook

```
8 - time_zone # Time Zone Config
9 - satellite subs # Satellite Subscription
10 - additional-packages # Additional Package Installation
11 - insights # Red Hat Insights Registration
12 - ntp # Configure ntp Service
13 - os_update # Operating System Update
14 - user_group # Configure User Group
15 - limits # Configure /etc/security/limits.conf
16 - local_mount # Create Local Mount Points
17 - autofs # Configure autofs
18 - issue # Configure issue
19 - rsyslog # Install rsyslog and make configuration
20 - logaudit # Install Logaudit Package
21 - acronis_agent # Acronis agent installation
22 - hp_sa # HP SA Installation
23 - openview # HP Openview Installation
24 - centrify_install # Centrify Installation
```

```
25 - centrify_install # Centrify Installation
26 - centrify_install # Centrify Installation
27 - centrify_install # Centrify Installation
28 - centrify_install # Centrify Installation
29 - centrify_install # Centrify Installation
30 - centrify_install # Centrify Installation
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35 - centrify_install # Centrify Installation
36 - centrify_install # Centrify Installation
37 - centrify_install # Centrify Installation
38 - centrify_install # Centrify Installation
39 - centrify_install # Centrify Installation
40 - centrify_install # Centrify Installation
41 - centrify_install # Centrify Installation
42 - centrify_install # Centrify Installation
```



CloudForms



Hibrid ortamlar için tek noktadan yönetim



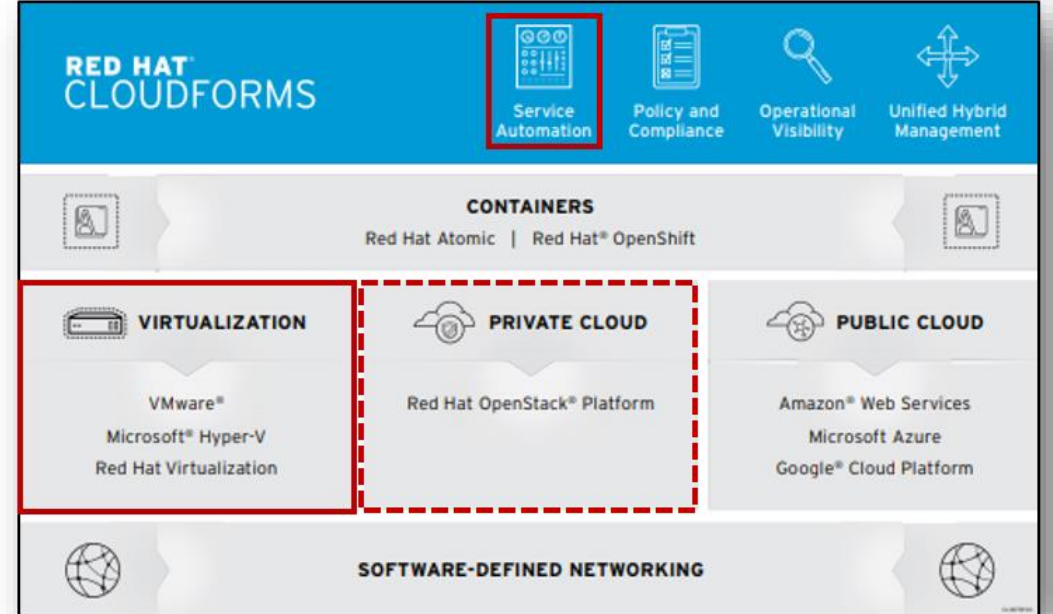
Sunucu ve servis otomasyonu



Self-servis portal

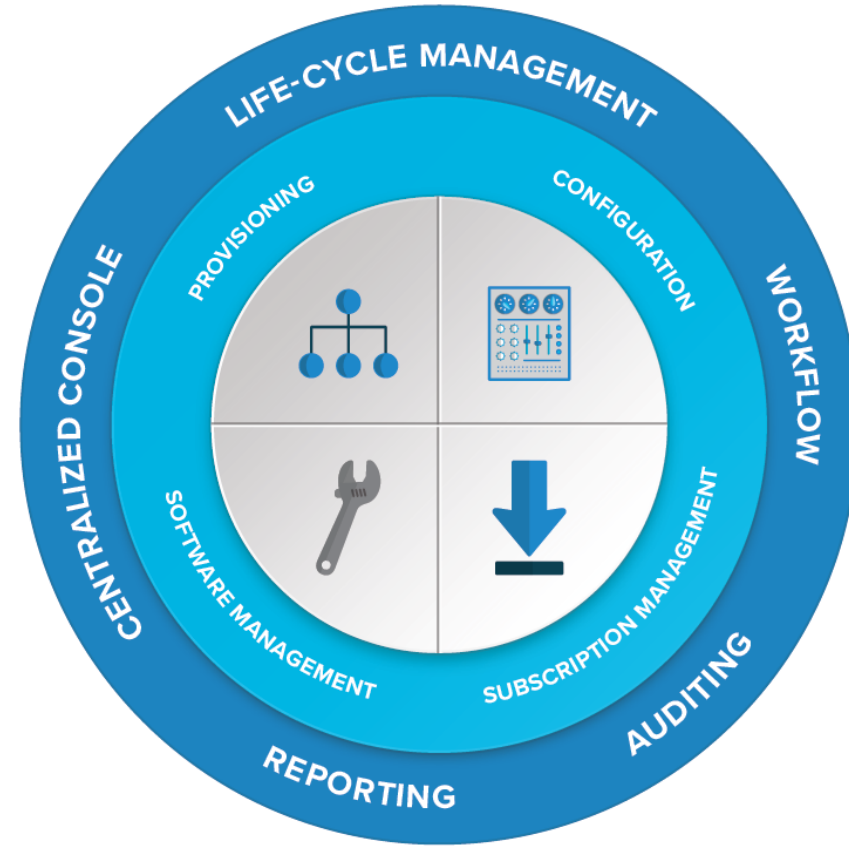


Uçtan uca sunucu ve servis yaşam döngüsü yönetimi

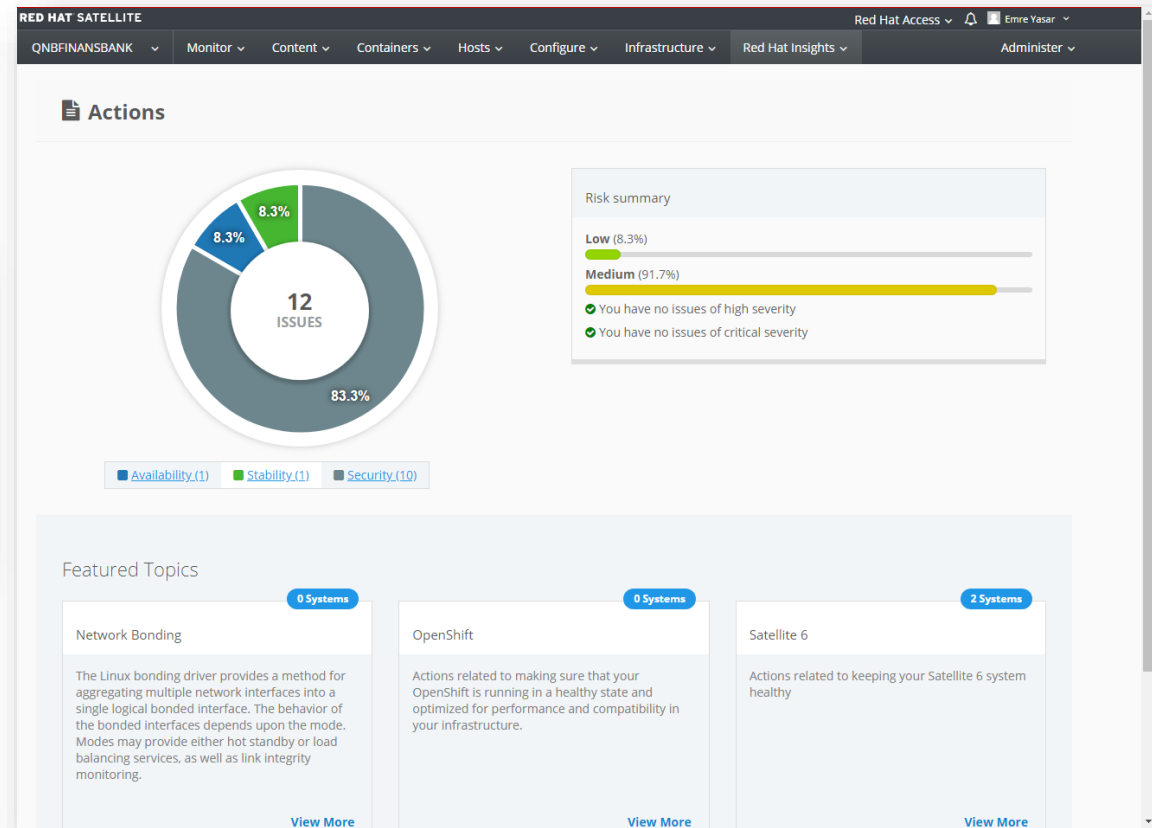
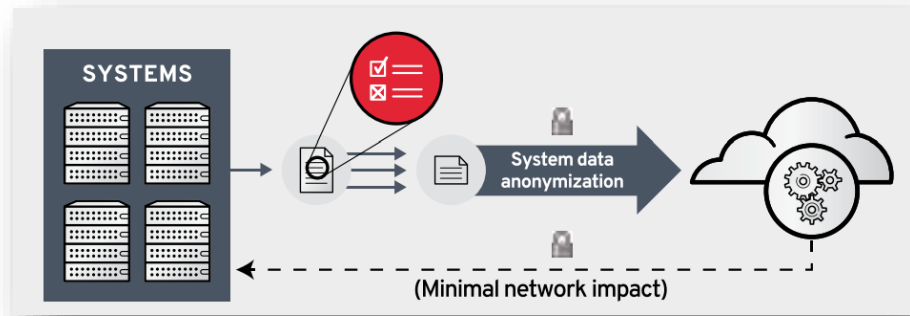


Satellite

- ✓ RPM depo yönetimi
- ✓ Bare Metal sunucu provizyonu
- ✓ Red Hat Subscription yönetimi
- ✓ Insights



Insights





Dashboard

My Services 88

My Orders 5

Service Catalog 3

Service Catalog

Name Filter by Name

Name Sort

3 Results

BareMetal Provision - RHEL7



Description

VM Provision - RHEL7 - RHV



Description

VM Provision - RHEL7 - Vmware



Description

20 items

1 - 3 of 3



Dashboard

My Services 88

My Orders 5

Service Catalog 3

Service Catalogs » VM Provision - RHEL7 - VMware



VM Provision - RHEL7 - VMware

Provision RHEL7 VM on VMware with Ansible Tower Jobs

Add to Shopping Cart

Basic Info Hardware Software

Server Info

Server Name	<input type="text" value="Server001"/>
Organization	<input type="text" value="QNBFINANSBANK"/>
Server Role	<input type="text" value="APP"/>
Centrify Zone	<input type="text" value="NonProd"/>
Environment	<input type="text" value="Test"/>
Server Folder	<input type="text" value="Finansbank_UOM/Linux Servers"/>

Network

VMware vLAN	<input type="text" value="192_168_private"/>
Server Domain	<input type="text" value="finansbank.com.tr"/>
IP Address	<input type="text" value="192.168.1.2"/>
Netmask	<input type="text" value="255.255.255.0"/>
Gateway	<input type="text" value="192.168.1.254"/>
Nameservers	<input type="text" value="192.168.2.2"/>
Search Domain	<input type="text" value="finansbank.com.tr"/>



Dashboard

My Services 88

My Orders 5

Service Catalog 3

Service Catalogs > VM Provision - RHEL7 - VMware



VM Provision - RHEL7 - VMware

Provision RHEL7 VM on VMware with Ansible Tower Jobs

Add to Shopping Cart

Basic Info **Hardware** Software

Hardware Properties

Number of CPUs 4

Memory 16 GB

Number of Cores 2

Disk Properties

Add Extra Disk

Disk Size 100GB



Dashboard

My Services 88

My Orders 5

Service Catalog 3

Service Catalogs > VM Provision - RHEL7 - Vmware



VM Provision - RHEL7 - Vmware

Provision RHEL7 VM on VMware with Ansible Tower Jobs

Add to Shopping Cart

Basic Info Hardware Software

Satellite 6

Hostgroup NonProd/APP

Upgrade OS

DB Users for Oracle

DB Grid Instance Owner

DB Oracle Instance Owner

DB Grid Instance Owner UID

DB Oracle Instance Owner UID

CloudForms & OpenStack Servis Otomasyonu

The screenshot displays the Red Hat CloudForms Management Engine interface. The top navigation bar includes the logo, the text "RED HAT® CLOUDFORMS MANAGEMENT ENGINE", and the user profile "EMRE YASAR | EVM". The left sidebar shows a "Services" menu with a sub-menu "Service Catalogs" containing "All Services", "IBTECH Cloud Catalog", "Catalog Items", "Orchestration Templates", and "Catalogs". The main content area, titled "All Services", lists several services with their descriptions, tenants, and "Order" buttons:

Service Name	Description	Tenant	Action
Cassandra Provision Cluster - User	Cassandra Provision Cluster - User	Finansbank	Order
ElasticSearch - Data Node provisioning for Administrators	ElasticSearch - Data Node provisioning for Administrators	Finansbank	Order
ElasticSearch - Main Cluster provisioning for Users	ElasticSearch - Main Cluster provisioning for Users	Finansbank	Order
Hortonworks Sandbox 2.6	Hortonworks Sandbox 2.6	Finansbank	Order
RedHat73	RedHat73	Finansbank	Order

Sırada neler var?

- Infoblox DNS/DHCP/IPAM entegrasyonu
- Cisco ACI entegrasyonu
- HPE OMi entegrasyonu
- CyberArk sanal kasa entegrasyonu
- HPE Service Manager entegrasyonu