

STEP 1 Download and Install

Download and install Device42 to your hypervisor of choice. For a step by step guide, please visit <https://docs.device42.com/getstarted/installation> or for a quick video walk through <https://www.device42.com/getting-started>

The image shows two overlapping screenshots. The top screenshot is the Device42 website homepage. It features the Device42 logo in the top left, a navigation menu with 'Cloud Journey', 'Product', 'Features', 'Customers', 'Resources', and 'Company', and a 'FREE TRIAL' button in the top right. The main content area is titled 'Hybrid IT Discovery & Application Dependency Mapping' and includes a sub-headline: 'Accurate, comprehensive and current insight into your computing environment. Providing the data you need to manage, transform and optimize with confidence. Seamlessly integrating with your existing service management and DevOps toolsets.' Below this text are two buttons: 'FREE TRIAL NOW' with a download icon and 'REQUEST ONLINE DEMO' with a speech bubble icon. A blue arrow points to the 'FREE TRIAL NOW' button. To the right of the text is an illustration of a person in a suit standing next to a stack of server racks with various icons on them, including a cloud, a shield, and a gear. The bottom screenshot is a VMware installation window. It shows a list of files to be installed: 'x Device42-16.00.00.ovf' and 'x Device42-16.00.00-disk1.vmdk'. At the bottom of the window are four buttons: 'Back', 'Next', 'Finish', and 'Cancel'. A mouse cursor is hovering over the 'Next' button.

STEP 2

Some quick config

Once you're deployed, head over to the console to set your network settings, <https://docs.device42.com/getstarted/installation/installation-vcenter-server/#section-5> and add a passphrase for security.

```

time zone: UTC (UTC, +0000)
To access the application, point your browser at https://10.10.250.63

=====
Device42 Setup/Troubleshooting Menu
=====
1.  Configure IP/Networking
2.  Restart Application
3.  Apply Update
4.  Restart Server / Appliance
5.  Shutdown Server / Appliance
6.  NTP Client Setup
7.  Time Zone Setup
9.  Install VMWare/XenServer Tools
10. Change Password (user device42)
11. Change keyboard layout
12. Disable Appliance Manager SSL
14. Clear Logs
15. Advanced Routing
16. Compact Database
17. Compact only Audit Log in Database
0.  Logout

Select Your Option: █
    
```

The screenshot shows the Device42 web interface. The user is logged in as 'admin'. The navigation menu includes DataCenter, Devices, Network, Apps, Secrets, Discovery, Reports, and Tools. The main content area is titled 'Create or change passphrase used to encrypt Passwords'. A message states 'A passphrase has been set previously'. There is a text input field for the 'Passphrase' with the value 'hunter2'. Below the input field is a note: 'Enter 12-32 character passphrase. Just an Idea from xkcd'. At the bottom, there is a checkbox labeled 'I will save the passphrase in a secure location. I understand that I won't be able to recover the passwords from the backup if I don't have the passphrase.' and a 'Save' button.

STEP 3 Let's go discover

Setup your discoveries to find your Windows & Linux servers, network infrastructure, cloud footprint and application topologies. You can follow along in a video here: <https://www.device42.com/getting-started> or read detailed documentation at <https://docs.device42.com/autodiscovery>

Add Hypervisors/*nix/win for Autodiscovery

Job Name: Production Windows Discovery

Remote Collector: Prod-Demo-RC with WDS

WDS: ANY

Platform: Windows

Discovery Target(s): 10.42.0.0/24

Username / Password(s): 2

Use Service Account Credentials (only Applies to WDS)

Query domain controller to obtain list of discovery devices

ADM Sampling Interval: 5 minutes

Enable Resource Utilization Tracking for Device(s) **Resource Utilization Sampling Interval:** 10 minutes

Auto Discovery Schedule

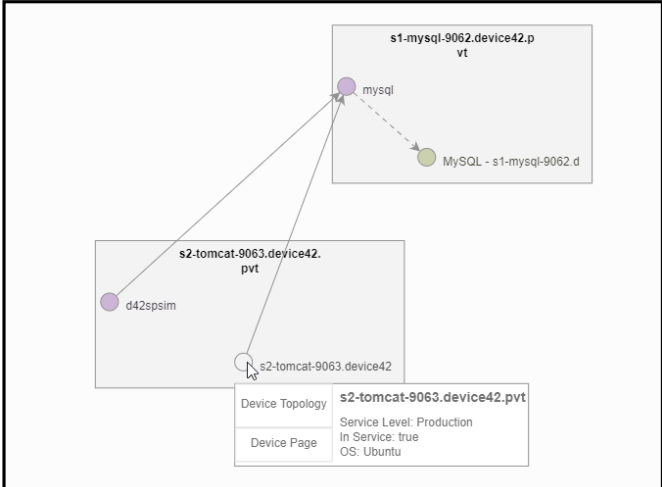
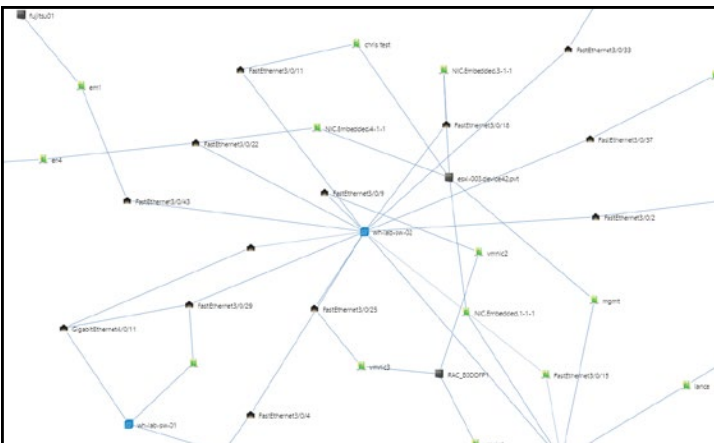
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Time
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	00:00:00 Now <input type="text"/>

Discovery Reports Tools

- Remote Collectors
- Simple Discovery Wizard
- TCP Port Scan
- SNMP
- Ping Sweep
- HyperVisors / *nix / Windows**
- UCS/ACI/Load Balancers
- IPMI / Redfish
- Cloud
- DNS Zone Sync (One way)
- Certificates
- Nmap
- Warranty Sync
- AD/LDAP Users
- Agent Based Scans
- Unprocessed Device Records
- External discovery tools

STEP 3 Take a look around

The Devices section will have all of your hypervisors, VMs, network equipment and other auto-discovered infrastructure. The Network section will host have an overview of your subnets, IP consumption, DNS records and more. Finally the Apps menu will show all discovered software components, service details, and discovered applications.



View Virtual Device - s1-mysql-9062.device42.pvt

Name: s1-mysql-9062.device42.pvt

Virtual Subtype: VMware

Network Device: ● Virtual Host: ● In Service: ● Service Level: Production Is Device42 monitoring enabled:

Device Virtual Host: esxi-003-device42.pvt Device Cluster:

Serial #: VMWARE-56 4D 89 7D 73 47 E2 01-2B 99 5F 4D 6F 18 AF 7E UUID: 7D894D56-4773-01E2-2B99-5F4D6F18

Customer: (None)

Category: Development Machines

First added: Aug 7, 2019, 4:07 p.m. Last updated: Sept 23, 2019, 7:42 a.m.

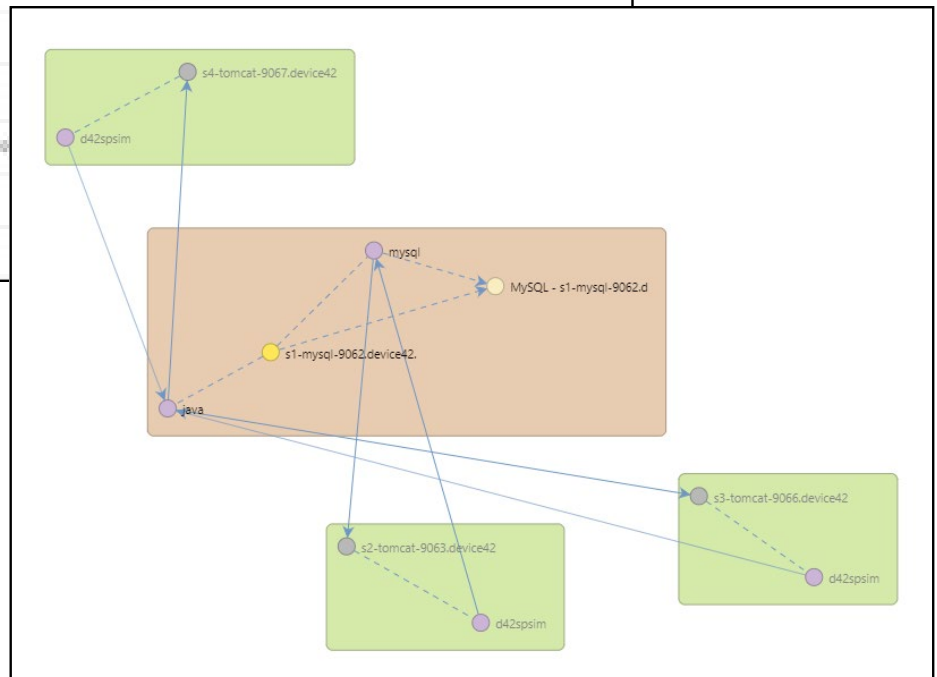
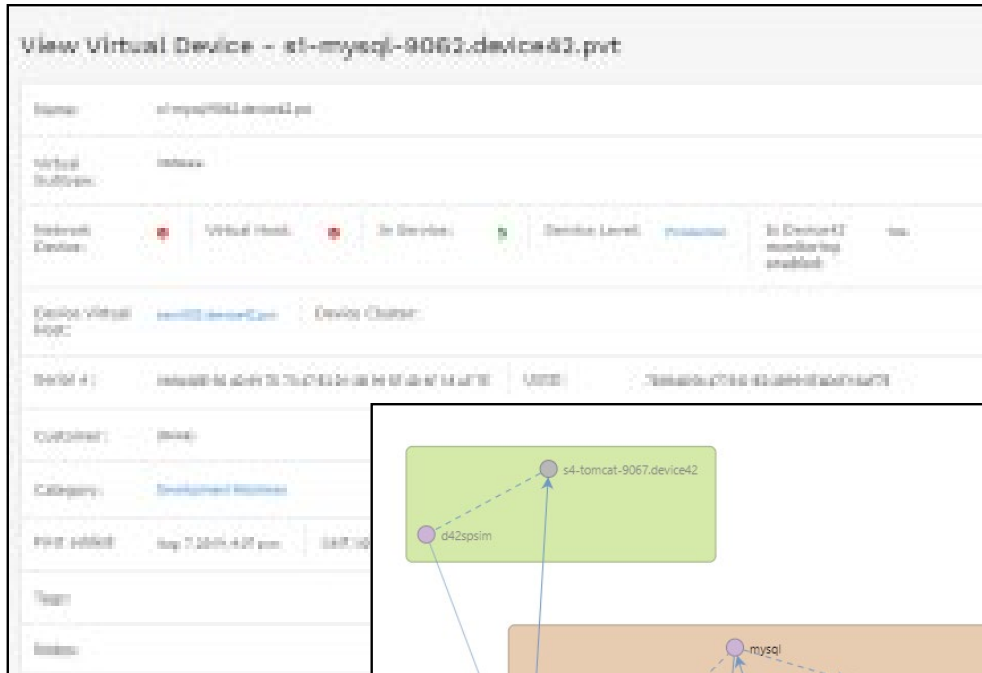
Tags:

Notes:

Time/Date	Device/ID	CPU Speed	RAM	MB/D	Network Count	IO ops	IO/B	Network Band	Net. Type	Health
2	6	1.90	6M	95.008	68	2	285.00	08	Hardware	(None)
Device Operating Systems										
OS	OS Version	OS Version #	Architecture	OS License Key	OS Support Vector	Full Date	OS In Licensing	Soft. Assign to gr	Soft. of No.	
VMware ESXi-6.0 U3 Build 1972460	6.0 U3	1972460	(None)							
Stack Info										
Host	Host ID	IP	OS/Kernel	Host	Host	Host	Host	Host	Host	Host
192.168.1.1 (192.168.1.1 @ 192.168.1.1)	275		Red Hat Linux							
Containers										
Container	Port	Primary IP/AS	URL	Container	Container	Container	Container	Container	Container	Container
00503647-8F-8F				192.168.1.1						
1080100109-8E47-12				192.168.1.1						
1080100109-8E47-12				192.168.1.1						
1418772A-7F56				192.168.1.1						
1418772A-7F56				192.168.1.1						
1418772A-7F56				192.168.1.1						
1418772A-7F56				192.168.1.1						
1418772A-7F56				192.168.1.1						
IP Addresses										
IP Address	Label	Type	Secret	Port	Port	Port	Port	Port	Port	Port
192.168.1.1	esxi	Private	192.168.1.1/24 (192.168.1.1)	275	275	275	275	275	275	275

STEP 4 Success

You should see your devices start coming in to Device42 as discoveries run. Start to see the relationships Device42 autodiscovers, and enrich them with tags, custom fields and other information valuable to your organization.

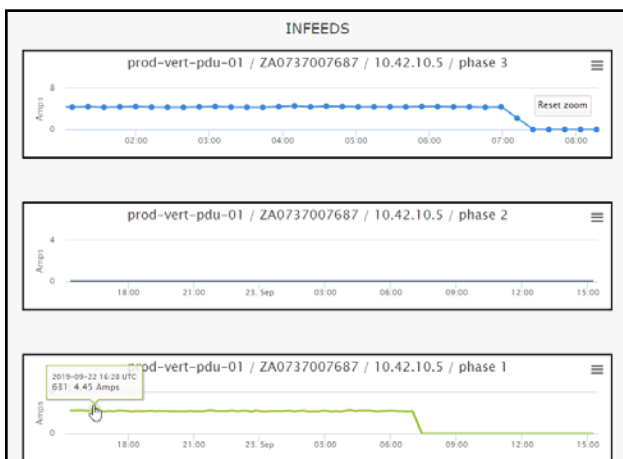
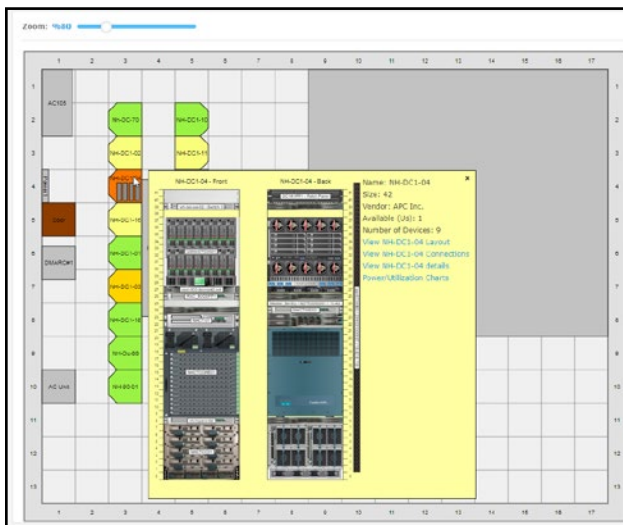


WHERE DO WE GO FROM HERE?



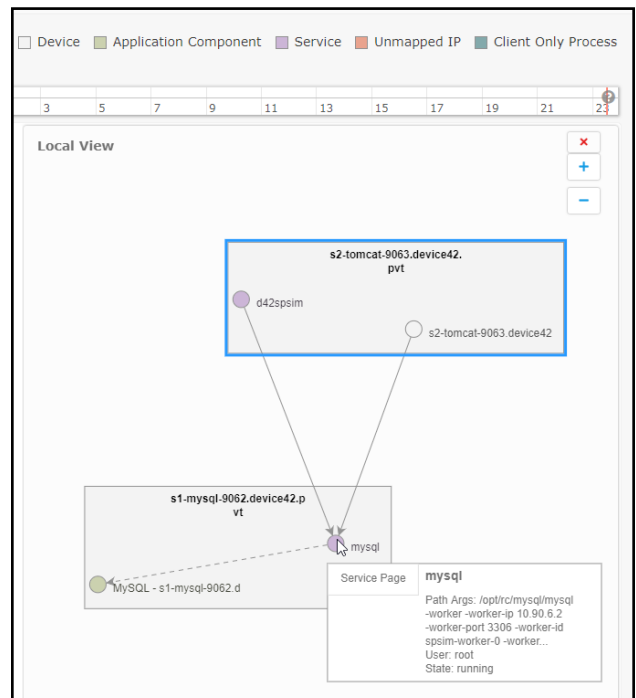
Datcenter Management

If you are looking for Hybrid asset management, head over to the Datacenter page to start setting up your rooms and building out racks, if you're using Device42 for Power Monitoring, start checking out the trending charts on your PDUs.



Application Dependency

If you are looking for application dependency mapping and cloud recommendations, head over to setup your Affinity Groups and view your device Resource Utilization trends for Cloud Recommendations.



STEP 5 Reporting and Extracting Data

Take advantage of Device42's built in BI reporting and included reports to start reporting on Device42 discovery. <https://docs.device42.com/reports> Need to pull data out for other tools programatically? Leverage our Device42 Object Query Language and API.



```
new "Platform",
  (user) from view_discoveryscores_v1 ds where ds.jobscore_fk = js.jobscore_pk and ds.discovery_server <> '')) "Devices
  (user) from view_discoveryscores_v1 ds where ds.jobscore_fk = js.jobscore_pk and ds.discovery_server <> '' and ds.part
  (user) from view_discoveryscores_v1 ds where ds.jobscore_fk = js.jobscore_pk and ds.discovery_server <> '' and ds.soft
  (user) from view_discoveryscores_v1 ds where ds.jobscore_fk = js.jobscore_pk and ds.discovery_server <> '' and ds.supp
  (user) from view_discoveryscores_v1 ds inner join view_device_v1 as d on ds.device_fk = d.device_pk where ds.jobscore_fk = js.
  (user) from view_discoveryscores_v1 ds where ds.jobscore_fk = js.jobscore_pk and ds.discovery_server <> '' and ds.stat
  (pk) from view_discoveryscores_v1 ds inner join view_softwareinuse_v1 as si on ds.device_fk = si.device_fk
  ds.discovery_server <> '' and ds.status in('partial', 'ok')) "Software In Use Count",
  (pk) from view_discoveryscores_v1 ds inner join view_serviceinstance_v1 as si on ds.device_fk = si.device_fk
  ds.discovery_server <> '' and ds.status in('partial', 'ok')) "Service Instance Count",
  (k) from view_discoveryscores_v1 ds inner join view_mountpoint_v1 as mp on ds.device_fk = mp.device_fk
  ds.discovery_server <> '' and ds.status in('partial', 'ok')) "Mount Point Count",

very on vsrvendiscovery, vsrvendiscovery_pk = js.vsrvendiscovery_fk where vsrvendiscovery.platform in ('windows',
from view_jobscore_v1 jk group by jk.vsrvendiscovery_fk)
```

```
devices.configured",
"Port Check Failures",
"Auth Failures",
"Unsupported OS",
"Devices Current",
"Discovered Devices",
"Software In Use Count",
"Service Instance Count",
"Mount Point Count",
trunc(case "Devices Configured" when 0 then 0 else ("Discovered Devices"/"Devices Configured") * 100 end,4) as "Percent Complete",
trunc(case "Devices Configured" when 0 then 0 else ("Devices Current"/"Devices Configured") * 100 end,4) as "Percent Current"
from dataset
union all
select 'Total',
sum("Devices Configured"),
```

Database Type	Database Versions	Service Name	Application Name	Database Paths
MySQL	14.14	mysqld	MySQL - autodisc-db	/var/lib/mysql
MySQL	14.14	mysqld_safe	MySQL - autodisc-db	/var/lib/mysql
MongoDB	MongoDB 4.0 2008R2Plus SSL (64 bit)	MongoDB Server	MongoDB - EC2AMAZ-QLVQDTG	
MySQL	8.0.13	MySQL80	MySQL - EC2AMAZ-QLVQDTG	
DB2	11.1.4.4	db2sysc	DB2 - ip-10-10-18-118.ec2.internal	
DB2	11.1.4.4	db2syscr	DB2 - ip-10-10-18-118.ec2.internal	
DB2	11.1.4.4	db2syscc	DB2 - ip-10-10-18-118.ec2.internal	
MongoDB	x86_64	mongod	MongoDB - ip-10-10-19-177.ec2.internal	
MySQL	14.14	mysqld	MySQL - ip-10-10-19-177.ec2.internal	/var/lib/mysql
MySQL	14.14	mysqld_safe	MySQL - ip-10-10-19-177.ec2.internal	/var/lib/mysql
MongoDB	x86_64	mongod	MongoDB - ip-10-10-39-145.ec2.internal	
MariaDB	15.1	mysqld	MariaDB - ip-10-10-39-145.ec2.internal	/var/lib/mysql
MariaDB	15.1	mysqld_safe	MariaDB - ip-10-10-39-145.ec2.internal	/var/lib/mysql
DB2	11.1.3.3	db2sysc	DB2 - ip-10-10-99-142.ec2.internal	
DB2	11.1.3.3	db2syscc	DB2 - ip-10-10-99-142.ec2.internal	