

## 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 (Cloud Journey, Product, Features, Customers, Resources, 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 a cloud icon above them. The bottom screenshot is a VMware VMX file selection dialog. It has a blue VMware logo on the left. The main area shows two files: 'Device42-16.00.00.ovf' and 'Device42-16.00.00-disk1.vmdk'. At the bottom, there 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. At the top, there's a navigation bar with 'DataCenter', 'Devices', 'Network', 'Apps', 'Secrets', 'Discovery', 'Reports', and 'Tools'. The user is logged in as 'admin'. The main content area is titled 'Create or change passphrase used to encrypt Passwords'. A message states 'A passphrase has been set previously'. Below this, there is a 'Passphrase:' field containing the text 'hunter2'. A note below the field says '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:**  Enter a unique name for the autodiscovery job

**Remote Collector:**  **WDS:**

**Platform:**  **Discovery Target(s):**  
  
FQDN or IP of the server(s) or cidr or ranges. For oVirt full api url

**Username / Password(s):**   Use Service Account Credentials (only Applies to WDS)

Query domain controller to obtain list of discovery devices

**ADM Sampling Interval:**

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

**Auto Discovery Schedule**

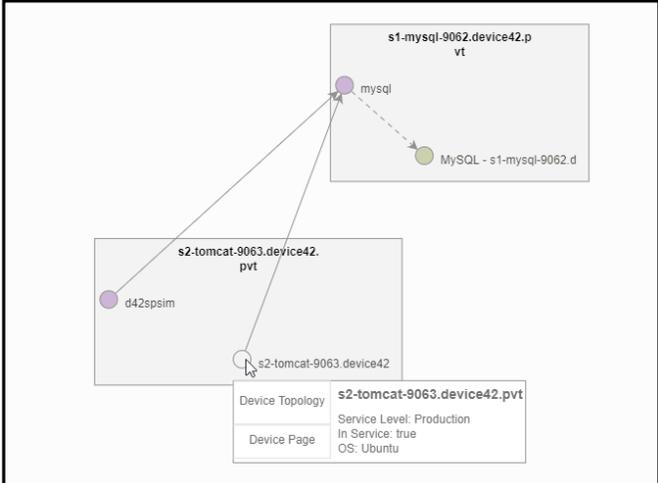
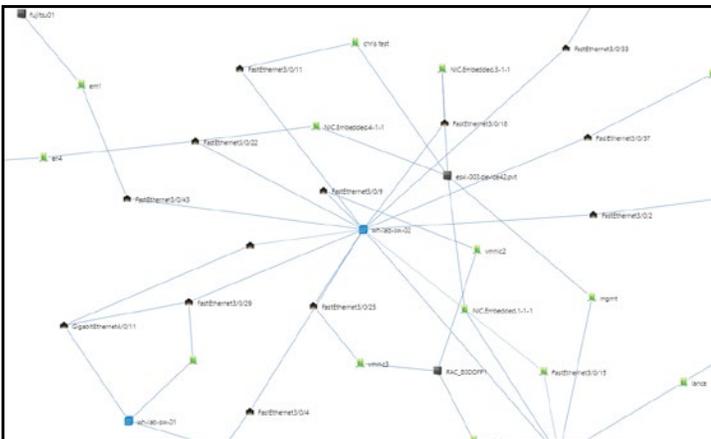
| Monday                              | Tuesday                             | Wednesday                           | Thursday                            | Friday                              | Saturday                            | Sunday                              | Time         |
|-------------------------------------|-------------------------------------|----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

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 4 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: essi-002.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-D1E2-2B99-5F4D6F18

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/s            | Network I/O        | Net. Type    | Health |
|----------------------------------|------------|--------------|----------------------------------|----------------------------------|-------------------|----------------|-----------------|--------------------|--------------|--------|
| 2                                | 6          | 1.90         | 8M                               | 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 1972456 | 6.0 U3     | 1972456      | (None)                           |                                  |                   |                |                 |                    |              |        |
| Stack Info                       |            |              |                                  |                                  |                   |                |                 |                    |              |        |
| Host                             | Host ID    | IP           | OS                               | OS Version                       | OS Support        | OS License Key | OS In Licensing | Soft. Assign to gr | Soft. of No. |        |
| VMware ESXi-6.0 U3 Build 1972456 | 275        |              | VMware                           | 6.0 U3                           |                   |                |                 |                    |              |        |
| Containers                       |            |              |                                  |                                  |                   |                |                 |                    |              |        |
| Container                        | Port       | Primary IP   | VM                               | Container                        |                   |                |                 |                    |              |        |
| 0C503647-8F-88                   |            |              | VMware ESXi-6.0 U3 Build 1972456 | VMware ESXi-6.0 U3 Build 1972456 |                   |                |                 |                    |              |        |
| 1080100109-8E47-03               |            |              | VMware ESXi-6.0 U3 Build 1972456 | VMware ESXi-6.0 U3 Build 1972456 |                   |                |                 |                    |              |        |
| 1080100109-8E47-03               |            |              | VMware ESXi-6.0 U3 Build 1972456 | VMware ESXi-6.0 U3 Build 1972456 |                   |                |                 |                    |              |        |
| 1418772A-7958                    |            |              | VMware ESXi-6.0 U3 Build 1972456 | VMware ESXi-6.0 U3 Build 1972456 |                   |                |                 |                    |              |        |
| 1418772A-7958                    |            |              | VMware ESXi-6.0 U3 Build 1972456 | VMware ESXi-6.0 U3 Build 1972456 |                   |                |                 |                    |              |        |
| 1418772A-7958                    |            |              | VMware ESXi-6.0 U3 Build 1972456 | VMware ESXi-6.0 U3 Build 1972456 |                   |                |                 |                    |              |        |
| 1418772A-7958                    |            |              | VMware ESXi-6.0 U3 Build 1972456 | VMware ESXi-6.0 U3 Build 1972456 |                   |                |                 |                    |              |        |
| 1418772A-7958                    |            |              | VMware ESXi-6.0 U3 Build 1972456 | VMware ESXi-6.0 U3 Build 1972456 |                   |                |                 |                    |              |        |
| 1418772A-7958                    |            |              | VMware ESXi-6.0 U3 Build 1972456 | VMware ESXi-6.0 U3 Build 1972456 |                   |                |                 |                    |              |        |
| IP Addresses                     |            |              |                                  |                                  |                   |                |                 |                    |              |        |
| IP Address                       | Label      | Type         | Secret                           | Net                              |                   |                |                 |                    |              |        |
| 192.168.1.1                      | vmx0       | VMware       | VMware ESXi-6.0 U3 Build 1972456 | VMware ESXi-6.0 U3 Build 1972456 |                   |                |                 |                    |              |        |

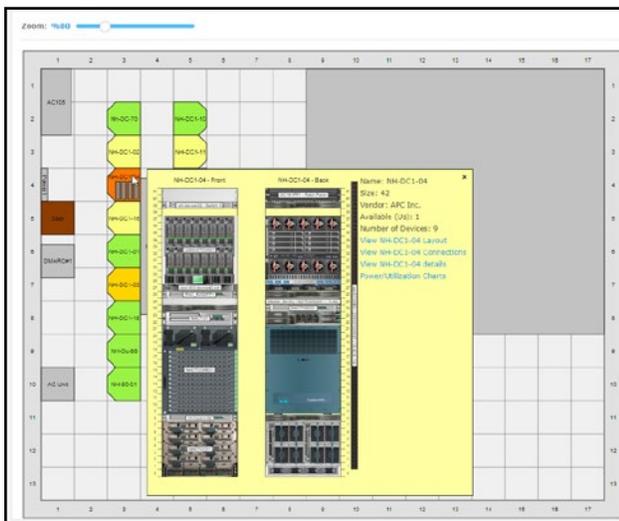


## WHERE DO WE GO FROM HERE?



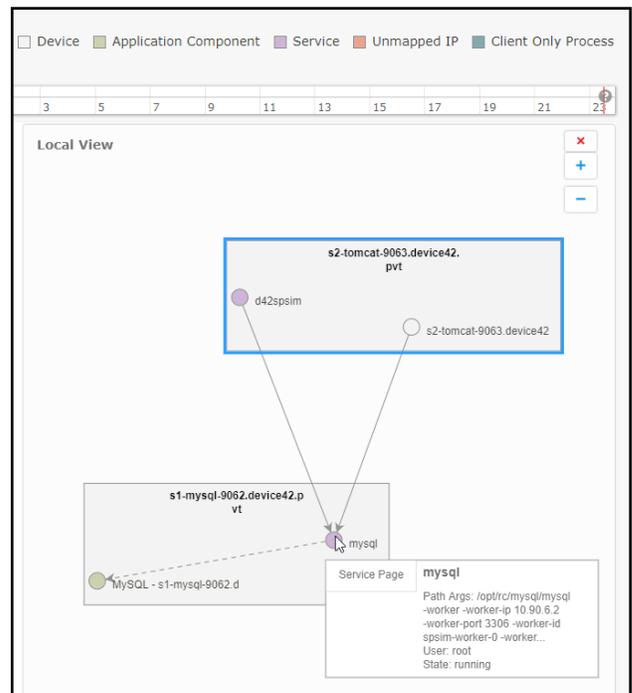
### Datcenter Management

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 6 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.



```

-- "Platform"
rver) from view_discoveryscores_v1 ds where ds.jobscore_fk = js.jobscore_pk and ds.discovery_server <> '')) "Devices
rver) from view_discoveryscores_v1 ds where ds.jobscore_fk = js.jobscore_pk and ds.discovery_server <> '' and ds.part
rver) from view_discoveryscores_v1 ds where ds.jobscore_fk = js.jobscore_pk and ds.discovery_server <> '' and ds.soft
rver) from view_discoveryscores_v1 ds where ds.jobscore_fk = js.jobscore_pk and ds.discovery_server <> '' and ds.supp
on view_discoveryscores_v1 ds inner join view_device_v1 as d on ds.device_fk = d.device_pk where ds.jobscore_fk = js
rver) from view_discoveryscores_v1 ds where ds.jobscore_fk = js.jobscore_pk and ds.discovery_server <> '' and ds.stat
s_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",
nce_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 vsrvrverndiscovery, vsrvrverndiscovery_pk = js.vsrverndiscovery_fk where vsrvrverndiscovery.platform in ('windows',
from view_jobscore_v1 jk group by jk.vsrverndiscovery_fk)
    
```

```

-- Database Configuration
"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 @ then @ else ("Discovered Devices"/"Devices Configured") * 100 end,4) as "Percent Complete",
trunc(case "Devices Configured" when @ then @ 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                            | db2sysrc       | 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                            | db2syscr       | DB2 - ip-10-10-99-142.ec2.internal     |                |
| DB2           | 11.1.3.3                            | db2sysrc       | DB2 - ip-10-10-99-142.ec2.internal     |                |