



# Modular Offering

Device42 can be implemented in a modular approach which provides infrastructure teams with several levels of functionality. Data center teams can implement the Core requirements to quickly and effectively manage their IT infrastructure. New functionality can easily be added at any time, building on the Core capabilities to adapt to new or changing requirements.

## DEVICE42 MODULES

- 01** Device42 Core – Required as the foundation of any additional modules
- 02** Power Monitoring
- 03** Software Discovery and License Management
- 04** Application Dependency Mapping
- 05** Resource Utilization and Cloud Recommendation Engine

# 01

## DEVICE42 CORE

Device42 Core provides a comprehensive set of capabilities for managing your IT ecosystem, including:

### INFRASTRUCTURE AND IAAS DISCOVERY

Device42 provides agentless and automatic discovery of all your IT assets, including physical, virtual and cloud components. Storage and Network switching, bare metal servers, chassis and blades, hypervisors, IP subnets and cloud services are all discovered.

- SNMP, IPMI, RedFish, and Cisco UCS discovery
- Physical and virtual infrastructure
- Load balancer discovery
- AWS, Azure, GCP, and Oracle
- Container discovery for Docker and Kubernetes
- Cisco UCS Manager Auto-discovery

### CMDB

Device42's CMDB provides a single source of IT asset truth within your organization, allowing you to identify, manage, and verify all configuration items (CI) in your environment.

- Pre-configured CMDB
- Audit history for all events
- Time series impact
- Asset visualizations
- Integrations with most ITSM platforms including ServiceNow, Jira Service Desk, and Freshservice

### DCIM

Device42's powerful data center infrastructure management (DCIM) capabilities have revolutionized the way IT departments manage their data centers. With powerful data center management and visualization tools, IT staff also have access to intelligent data center diagrams that accurately reflect their IT environment.

- Data center room layouts
- Auto-generated rack diagrams
- IT patch panel management
- Telco Circuit and contract documentation
- Detailed Device Information
- Spare Parts Management

### ITAM

Device42 provides comprehensive IT asset management capabilities to completely document all IT assets across your infrastructure deployment.

- Physical and Virtual hardware inventory
- Inventory assets on-premise and in the cloud
- Predefined asset types or create custom types to suit your needs
- Track and visualize relationships between assets
- Auto-generate QR and/or barcodes, plus built-in smartphone support
- Automatic warranty checking, reporting, and tracking

## KEY FUNCTIONALITY

### IPAM

Managing IPs in the data center is a vitally important component to effectively managing the data center. Device42's IPAM functionality provides centralized management of your data center's IP address space.

- Centralized management IPv4 and IPv6 addresses
- Full VRF groups and nested subnet support
- Sync with DNS servers
- Automatically keep IP information up-to-date
- Provide subnet tree for comprehensive operations
- Integrate with VMWare vRealize and Foreman for IP Address Assignment

### PASSWORD MANAGEMENT

Device42's enterprise IT password management software centrally and securely manages shared passwords used between IT teams.

- Auto-generate secure passwords
- Automatic logout on inactivity
- Easy search features
- Securely Copy passwords to clipboard without displaying them
- AES 256 bit encryption for both storage and backup
- Complete Role Based Access Controls
- Integrate with CyberArk and Microsoft LAP's to drive discovery with remote credential stores.

## 02

### POWER MONITORING

Using Device42 software, data center managers can anticipate and avoid thermal- and power-related problems with proactive real-time and historical power monitoring capabilities

- Instant power monitoring from supported PDUs using SNMP
- Track historical power and thermal data
- Alerts for PDU, UPS, ATS outages and trends

## 03

### SOFTWARE DISCOVERY AND LICENSE MANAGEMENT

While understanding what assets are deployed across the data center infrastructure is a critical component, it's also important for organizations to create and maintain a comprehensive, accurate profile of the software deployed on machines across the entire IT infrastructure. Using Device42's powerful agentless software discovery process, organizations can create and maintain a comprehensive, accurate profile of the software deployed on Windows and Linux machines across the entire IT infrastructure — from the server, to the desktop level.

- Catalog installed packaged software
- Catalog installed patches and versions
- Compare current usage to license counts
- Detect prohibited software
- View and Notify of Vulnerabilities matching Software Versions from VulnDB
- Track license agreements and expiration dates
- Identify purchased vs. installed software
- Provide customizable notification alerts

## 04

### APPLICATION DEPENDENCY MAPPING

Application Dependency Mapping (ADM) allows Device42 to auto-discover application dependencies and service dependencies on a deeper level across your entire network.

ADM will identify groups of services that contribute to a known application. These services are then grouped and the communication between these applications, other services and the underlying infrastructure is automatically mapped. Additional details such as config file data is also gathered into the system.

ADM is valuable in a range of scenarios. Migration and transformation projects are informed by the detailed dependency information that ADM surfaces. Lifecycle operations ITSM and DevOps are likewise enhanced as information about downstream impacts from incidents is made available.

- Agentless services and application discovery using native protocols, with optional agents available.
- Application dependency diagrams visualize application to device relationships. Map applications to servers, servers to switch ports, and users to devices and applications
- Use Application Impact Lists to reduce Risk and potential downtime during cutovers, upgrades, and migrations by understanding application interdependencies and connections.
- Automatically discover application components for applications such as Oracle, Postgres, MySQL, MongoDB, IIS etc. including their respective software version information, processes, and executables.
- Detailed configuration discovery: View discovered configuration details for major applications like Oracle, Microsoft SQL, MongoDB, PostgreSQL, MySQL, ColdFusion, IIS, Apache, and more

## 05

### RESOURCE UTILIZATION AND CLOUD RECOMMENDATION ENGINE

Resource Utilization gathers statistics on a machine's Disk, Network I/O, CPU and memory utilization over time. That data can then be used by Device42's Cloud Recommendation Engine to provide the exact details you need to plan your next cloud migration - comparing costs between AWS and Microsoft Azure clouds, and right-size your next cloud deployment.

- See up-to-date utilization data (Disk, Network I/O, CPU and memory) across your IT infrastructure
- Clear recommendations for sizing or right sizing existing workloads for AWS, Azure, Google, and Oracle.
- Includes a user-configurable "Safety Factor" slider that allows padding of requirement calculations by your chosen margin
- Use Device42 Business Applications to plan migration move groups

### ADDITIONAL INFORMATION

Additional information supporting all Device42 capabilities can be found using of the following resources:

[Online product documentation](#)

[Frequently asked questions](#)