# DEVICE42

# Modular Offerings

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** Storage Discovery

**03** Software Discovery & License Management

**04** Application Dependency Mapping

**05** Resource Utilization & Cloud Recommendation Engine

**06** Power Monitoring

# 01 Device42 Core

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

## INFRASTRUCTURE AND INFRASTRUCTURE-AS-A-SERVICE (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.

### KEY FUNCTIONALITY:

- 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

## AUTO-POPULATING CONFIGURATION MANAGEMENT DATABASE (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.

### KEY FUNCTIONALITY:

- Pre-configured CMDB
- Audit history for all events
- Time series impact
- Asset visualizations
- Integrations with most IT service management (ITSM) platforms including ServiceNow, Jira Service Management, and Freshservice

## DCIM

Device42's powerful data center infrastructure management (DCIM) capabilities have revolutionized the way your IT department can manage data centers. With strategic data center management and visualization tools, you have access to intelligent data center diagrams that accurately reflect your IT environment.

### KEY FUNCTIONALITY:

- 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 (ITAM) documentation capabilities across all your infrastructure deployments.

### KEY FUNCTIONALITY:

- Physical and virtual hardware inventory
- Inventory assets on-premises 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

## IPAM

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

### KEY FUNCTIONALITY:

- 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 centrally and securely manages shared passwords used between IT teams.

### KEY FUNCTIONALITY:

- 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 LAPS to drive discovery with remote credential stores.

# 02 Storage Discovery

It can be a challenge to reliably and accurately report on enterprise storage consumption, performance, and configuration across multiple vendors. Storage Discovery by Device42 provides agentless, vendor-agnostic visibility across popular storage vendors such as EMC, NetApp, Pure Storage, Hitachi, IBM, and more. It collects and normalizes enterprise storage metrics on performance, configuration, and capacity data from storage arrays, servers, and switches from physical spindles to file systems in virtual machines.

### KEY FUNCTIONALITY:

- Get insight across complex, multiple storage environments to optimize capacity, improve efficiency, troubleshoot storage issues, and identify storage trends.
- Drill down into storage arrays in your enterprise for status, capacity, uptime and provisioning level information.
- Get a visual overview of your storage array framework that features resource maps.
- Deliver the reports you need for deep analysis of your storage requirements.

# 03 Software Discovery & 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 estate—from the server to the desktop level.

## KEY FUNCTIONALITY:

- Catalog installed packaged software.
- Catalog installed patches and versions.
- Compare current usage to license counts.
- Detect prohibited software.
- Track license agreements and expiration dates.
- Identify purchased vs. installed software.
- Provide customizable notification alerts.

# 04

# Application Dependency Mapping

Application Dependency Mapping (ADM) capabilities enable 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. ADM also gathers additional details as well, including config file data.

ADM is useful in a broad range of scenarios. You can inform migration and transformation projects with detailed dependency information. Downstream impacts from incidents inform lifecycle operations ITSM and DevOps.

## KEY FUNCTIONALITY:

- Agentless services and application discovery using native protocols with optional agents are 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.

- ADM offers 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 & 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. It compares costs between different cloud service providers (CSPs) to right-size your next cloud deployment.

### KEY FUNCTIONALITY:

- See up-to-date utilization data (disk, network I/O, CPU and memory) across your IT infrastructure.

- Get clear recommendations for sizing or right sizing existing workloads for AWS, Azure, Google (GCP), Oracle, and VMWare Cloud on Amazon Web Services (AWS).

- This 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.

# Power Monitoring

Device42 has an optional module for power monitoring. It discovers power and thermal monitoring from supported SNMP-enabled power distribution units (PDUs), universal power supplies (UPSs), and computer and room air conditioning (CRAC) units. Power monitoring includes detailed device information that can be accessed directly through Room Layout View.

## KEY FUNCTIONALITY:

- Get full data center visualization with drag-and-drop object management, drill downs, and heat maps.

- See temperature and humidity information in Room Layout View.

- Understand power and space availability by room.

- Track historical power at the PDU level, and thermal data at the rack level for power estimation and capacity planning.

- Generate rack diagrams to accurately represent device placement.

# Additional Information

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

- Device42's online product documentation: https://docs.device42.com/
- For frequently asked questions please see: https://docs.device42.com/getstarted/

## To learn more, call (844) 424-2422 or visit

**www.device42.com**