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WHITLOCK IS

Data Sheet

IT Operations Management

Universal Discovery and CMDB

Micro Focus® Universal Discovery (UD) and Universal Configuration Management Database (UCMDB) automatically collect (by discovery or integration), reconcile, manage, and present data for hardware, software, applications, services and their interdependencies in Hybrid IT environments.

Product Highlights

Comprehensive Scalable Discovery: Discovery for large distributed global data centers that scales to hundreds of thousands of servers and work stations. Flexible deployment options including agent/agent-less, and capabilities to discover both inventory and dependencies leveraging the same product. Leverage Windows-based or Linux-based discovery deployment. Support for discovery of network and storage is provided as well.

Multi Cloud Discovery: Comprehensive multi cloud discovery that includes all the major public and private cloud platforms. Extensive discovery for AWS, Azure, Google cloud, VMware, Kubernetes, OpenStack and for other platforms such as Oracle Cloud and Alibaba Cloud.

Enhanced Modern User Interface: Easy access to data and reports leveraging a modern HTML 5 responsive user interface. See both topology and textual representation of the data, and view business services with all their dependent components. Policy management now allows CI level policy definitions and compliancy reporting.

Integrations & API: Out-of-the-box integrations with many products to leverage the data within other platforms such as: ITSM, Monitoring, Asset Management and more. Well documented REST API to enable integrations with other products.

Key Benefits

In a typical business, there are a collection of requirements to ensure the infrastructure that supports this enterprise can run well, and be minimally affected by the day to day activities that occur within this infrastructure in support of the business. There is a need for real-time information of the infrastructure's structure regardless of the platform in which the infrastructure sits (on-premise, cloud) that can represent all of its components in a single view, modeling how each component is related to each other. And to collect this information in an automated manner.

Universal Discovery is the core to this process by providing a collection of capabilities to meet these requirements:

- Constantly up-to-date, real-time dynamic views of configuration management data
- Cloud-ready discovery to manage the transition to hybrid IT
- Operates efficiently in the widest scope of security constraints and compute platforms available
- Effective service modeling to improve service management and quality for change, incident, monitoring and compliance
- Easily use and share configuration data across organizations
- Optimized IT asset and software license usage

Universal Discovery at a Glance:

- Hybrid-cloud discovery: Manage your IT transformation with advanced discovery for private and public cloud, containerize and virtual environments including AWS, Azure, Google Cloud, VMware, Kubernetes, OpenShift and more
- Machine learning discovery: Software Discovery powered by machine learning for advanced software asset management
- Real-time discovery: Ensure accurately mapping changes in cloud environments with real-time discovery based on events

Universal CMDB at a Glance:

- Policies and compliance: Define rules for configuration items and apply to any group of CIs in an organization for increased data quality and compliance
- Automated service modeling: Improve service management quality via impact analysis for change, incident, monitoring and compliance
- Improved Change Management: Understand impacts, identify service disruption sources, and authorize changes with knowledge of the entire environment, from services to infrastructure

Universal CMDB provides the single screen that shows all of this data to the business, with each component clearly identified and shown within its specific context of that infrastructure. As a result, the business can be successful in remaining stable throughout all the churn that a typical infrastructure can experience.

- Data quality can be managed and reported, to drive a more complete and accurate CMDB.
- The impact of a future change can be identified so lines of business can be prepared for planned downtime.
- The impact of a down system can be modelled so business support can resolve the problem faster.
- Failure analysis can be run to help identify the root cause of an issue so business support can be more efficient.
- Security vulnerabilities can be identified and reported upon to keep the enterprise more secure.

Key Features

Breadth and Depth of Discovery

Agent, agent-less or hybrid discovery in one tool with the broadest content library available. This allows for complete flexibility in terms of network and security policies and still discover and model your IT enterprise. UD discovers devices and CIs from layer 2 through layer 7 of the OSI model, as well as deep-device and application-specific information. Add in discovery of almost all servers, workstations, infrastructure technologies, and more than 144,000 software titles, and see just how broad a reach Universal Discovery has!

Multi-cloud discovery of private and public cloud:

- Public cloud compute resources and services from AWS, Azure, Oracle, and Google
- Private cloud compute resources from OpenStack, vCloud, Docker Swarm and Cloud Foundry
- Virtual servers from VMware, Hyper-V, Citrix, Oracle VM, HPE, IBM, Solaris, Red Hat, Xen
- Virtual environment managers from VMware (vCenter), Microsoft (SCVMM) and Red Hat (RHEVM)
- Container technologies such as Kubernetes, OpenShift, Docker Swarm, Docker, and AWS ECS
- Consistency of AWS discovery results between UD and Operations Bridge (OpsB)
- Discovery of Public cloud resources with either a Windows-based or Linux-based discovery probe

Modern, Intuitive UI and Open Platform

The user interface allows easy access to CMS data for administrators and standard users, enabling powerful search for configuration items and services, access to their properties and related configuration items and comprehensive view of any business service. A built-in reporting generator can report on any information that is stored or federated from the CMDB. Reports can be scheduled and exported in different formats like PDF, Excel, CSV and more and offers many out-of-the-box reports. At the core of the CMDB is a rich data model that describes IT environments and is used as a foundation for other Micro Focus ITOM suites.

Smart Software Analytics

Smart software analytics, or SSA, is deployed on data centers and user endpoints. Using machine learning rules and IDOL (an internally developed big data tool), it suggests new software signatures based on file recognition. Additionally, SSA automates the process of collecting files to be analyzed and distributes the signatures across different probes.

Learn more at
www.microfocus.com/cmdb

System Requirements

System requirements for all components of UCMDB can be found at: **https://docs.microfocus.com/itom/Universal_CMDB:2019.02/Home/Support_Matrix**

System requirements for all components of Universal Discovery can be found at: **https://docs.microfocus.com/itom/Universal_Discovery_Content_Pack:30/CP_sw/CP_sys_reqs**

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