InfraKnit

Product Datasheet

CMS

Campuses are running on various Infrastructure & IT Systems with manual Operations & Maintenance. Monitoring is the core to this management. Whether its standalone network, distributed, co-location, private or public, or cloud based, every-time there is a critical need to review and monitor the Campus Operations. The Campus teams need real-time data from multiple sources and do an intelligent co-relation of incidents and impact on the infrastructure. Collection, Aggregation, Filtering, Automation and Analysis must be integrated and seamless. The services must be uninterrupted for sustained business journey and digital data transformation.

InfraKnit Campus Management System brings in the Ease of Use, Modular Control, and Integrated approach to cater the demanding infrastructure & environments. We provide the Unified experience to Campus Operators and Administrators.

Put your trust in a world-class CMS as you manage growth with an integrated Information Center. Reduce friction with practical administrative tools for registration, aid, advising and more. Maintain health with institution-wide transparency and analytics while coordinating personalized interactions through a single communications engine.

Our CMS is bundled with CMDB driven Datastore where objects can be registered and recorded whether People, Group, Departments, Area, Locations, Building, IT, NON-IT and IoT. We streamline every data into human readable and context aware information so that Operations & Maintenance can be optimized to the best. We take security on the top level in all our products, CMS is secured internally on Data and Sessions using RSA 4096 bit, AES 256 bit and SSL 256 bit and multiple components protects the system from Data leak or Unauthorized Access.

Our Campus Management Solution comes with robust features to make your campus management tasks effortless and more effective.

Software Specifications-

Primary Elements of our CMS-

- **Unified Dashboards –** Centralized and Unified Access to Secure Dashboard, with backend Integration, with Artificial Intelligence. With Machine Learning and Context Aware Outputs.
- **Precise Decision Making –** Realtime data acquisition and Data processing engine keeps different technologies and system glued together for Valuable Insights.
- **Workload Management –** Better handling of request and response elements with Hyper-threading of processing in parallel achieving higher computing processing for IO elements.
- **CMDB –** Centralized Datastore for unified data management and lesser integration challenges with systems and setups.
- **Streamline Processes –** Realtime process handling makes for process streamlining overseen by AI_ML combinations. Human error in handling processes will be minimized and CMS system will take care of all the processes once defined.
- **Cost Management –** Keep a track of all your Infrastructure Asset Inventory with Cost Lifecycle and Maintenance Management.
- **Realtime Insights –** Realtime Data Acquisition and Data Processing engine for Health Insights and Monitoring the Key Performance Indicators. Trend analysis and Pattern analysis is generated for easy report projection.
- **Ready Protocol Stack –** CMS is ready on IP Protocols like, SNMP, TCP, UDP, JMX, API, RESTAPI, CLI and NON-IT Protocols like Modbus, BACnet, Profinet, DLMS, DNP3, Custom and IoT Protocols. CMS make sures that the deployment is Wholistically taken care of the entire infrastructure under the same backbone.
- **Paperless Operations –** Everything is Digitally Recorded, Registered and Generated.
- **Paperless Maintenance –** Everything is Digitally Recorded, Registered, Troubleshooted, Reported and Maintained.
- **AI Powered Report Engine –** Unique Framework of Artificial Intelligence and Machine Learning combination, puts the operators and supervisor or users in a positive decision-making place, while save Time, Resources, Money and Sustainability of Campus Infrastructure.
- **Analytics Dashboard –** CMS provides purely intuitive and interactive Dashboard for Realtime insights of the infrastructure. Evey component of Dashboard is customization, like Widgets, Frames, Images, Maps, Layouts, etc.
- **Unified IT & NON-IT & IoT Framework –** Only CMS to provide Realtime insights of IT, NON-IT and IoT systems or devices on the sample Dashboard or User Console. The Data is smartly collected from various sources, processed with filtering, with root-case rules, and processed with impact analysis predictions. Outcome is Dashboard with forecasting and Analytics meaning for the users.

Our Key Features includes everything you want-

- Unified Dashboard
- Web-based Secure Dashboards
- Fault Management
- Performance Management
- Campus Infra Discovery & Topology
- Root-cause Analysis with Visuals
- Library of Symbols, Icons & Shapes
- *Traffic Analysis
- *Asset & Inventory
- Events Console
- Threshold & Alarms
- Notification Manager (eMail, SMS, IVR)
- Incident Ticketing
- *SLA Management
- Built-in security measures like DDoS prevention, Malware & Spyware protection, Virus protection, Ransomware protection
- Interactive Charts & Graphs, *Reports Library
- Long-term Data Archival & Maintenance
- Modular Plug-ins for 3rd Party Monitoring
- *API SDK for Northbound Southbound Integration
- Wide variety of Protocol Support
- *Customization & Development Services for Plugins, Modules, Dashboards & Report
- *Professional Customization Services

Hardware or Virtual Host Specifications-
Intel Xeon 3.0Ghz Quad Processor, 32GB RAM, 1TB Storage, 1Gbps Network Interface

* Optional Modules for Base Product. To be Purchaed Separately.