VERAX NMS & APM
Unified hardware and software management

Verax NMS & APM provides unified, **service-oriented management & monitoring of networks, applications and infrastructure** ensuring complete visibility and control of all ongoing operations and business services.

More than element-level monitoring

Verax NMS & APM will provide monitoring of entire services, rather than monitoring of individual elements (applications, systems, hardware) providing deeper insight into performance across multiple components supporting your services.
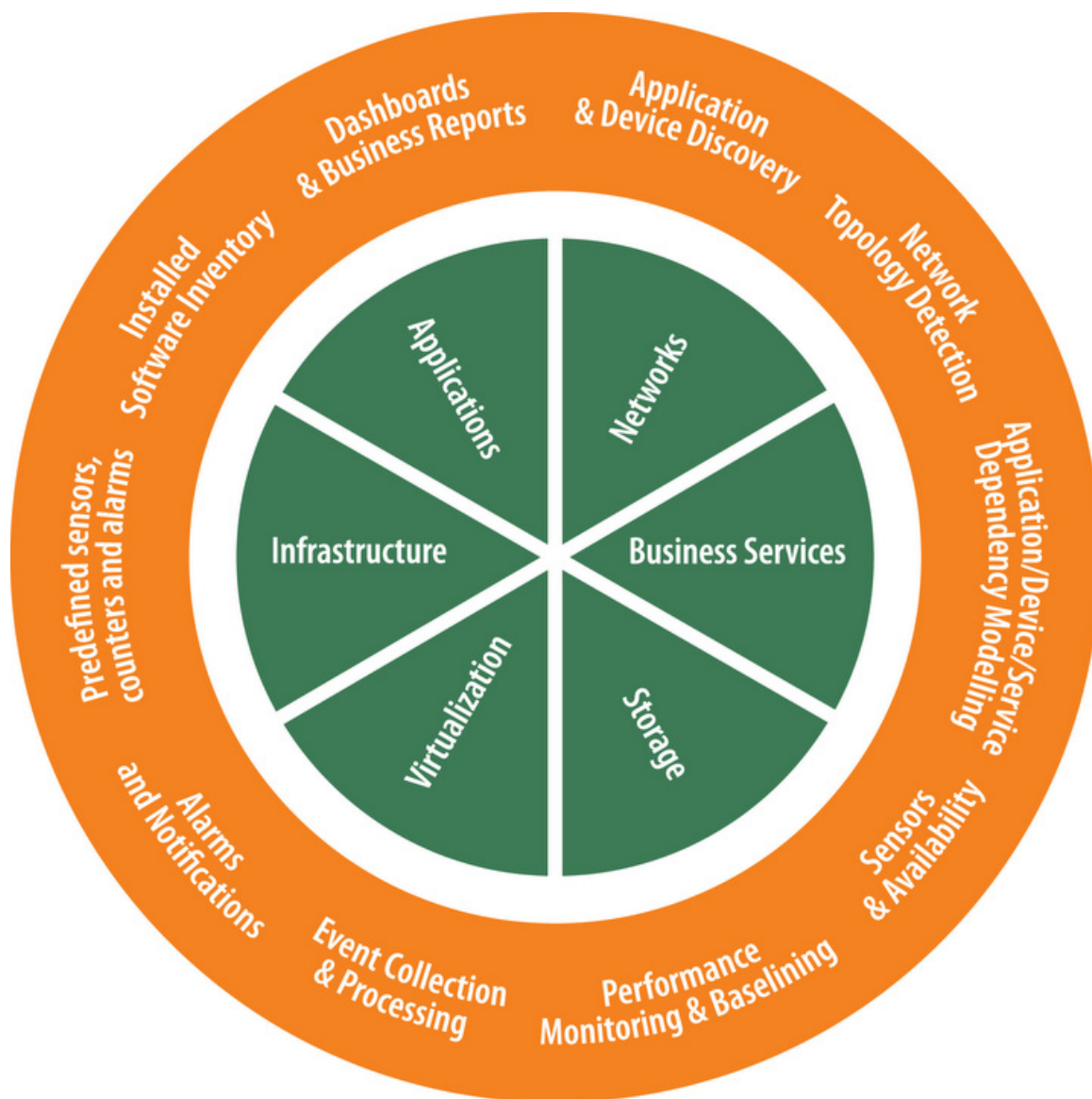
Understand the business impact

Verax NMS & APM will provide the understanding on how individual components are performing and what is their impact on particular business services.

Model business services

Verax NMS & APM gives you the power to freely create, model and group your existing infrastructure components into single, logical entities.

On-line demo

Verax NMS & APM demo is available at:
http://demo.veraxsystems.com

Free version

A free version with a limited number of monitored elements can be downloaded from:
www.veraxsystems.com/en/downloads

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verax systems

About Verax Systems

Verax Systems Corp. is a provider of software enabling end-to-end IT & Telco service delivery, assurance and compliance.
We offer a comprehensive set of integrated applications covering the entire lifecycle from service definition through provisioning and monitoring to billing, helping our customers to build and manage their IT & Telco services quickly and effectively.

Automate repeatable operations tasks

Save time and money **by reducing the number of manually performed tasks** and make a shift from reactive to a more proactive mode by resolving problems before they affect your service operations.

Verax NMS & APM **defines and executes actions against a particular infrastructure element**. These actions can range from simple tasks like restart a process trough increase rollback segment size on an Oracle database, up to more elaborate scenarios such as network routing reconfiguration in case of outage. These tasks and scenarios are implemented using the Verax NMS & APM **business rules engine**.

Rich set of built-in rules

Verax NMS & APM comes with numerous **pre-defined ready-to-use automation rules and procedures**. These rules can be triggered based on any defined event such as: webserver response time is too high, high CPU usage on a server, specified transaction rate on a database instance and router interface failure.

Sample built-in rules include:
- Alarms flood prevention (correlation)
- Submit incident to an external Service Desk system
- Schedule device maintenance
- Execute a specified command or a script

Advanced scenarios

Thanks to its automated business logic Verax NMS & APM gives you the building blocks for creating advanced **automation procedures**, such as: **disaster recovery, fault correction, network recovery actions**.

Verax NMS & APM integrates out-of-the-box with other Verax products enabling additional features, such as: **automatic SLA monitoring**.

Service Impact Prediction

The ability to proactively predict and prevent problems before affect critical business processes is required to deliver reliable business services.

Event correlation, service status calculation and automated actions enable Verax NMS & APM to **proactively alert about a potential problem and understanding its business impact**. IT teams can use this information to implement dynamic capacity planning and disaster prevention procedures.

Baselining and anomaly detection

The IT environments are constantly evolving. Therefore, it is often crucial to constantly fine-tune monitoring parameters, e.g. 1000 concurrent database connections can be perfectly fine for one instance and indicate a serious problem for another. This task can require lots of IT resources.

Verax NMS & APM solves this problem by means of **baselining**. The baselines are typical values for monitoring parameters that are automatically built using historical information. This way the system learns how a given business service should behave over time and is able to report anomalies. With manual or **automated baseline calculation** and **baseline-triggered alerting**, Verax NMS & APM allows you to prevent issues before they become serious problems.

Resource utilization forecasting

Verax NMS & APM forecasts IT resource utilization by means of advanced analytical models. Implemented statistical mechanisms allow to perform a **full spectrum capacity analysis and prediction for storage, database, and application servers**.

Verax NMS & APM resource forecasting features help make **better infrastructure investment decisions** by identifying the time frame when new resources will be required and minimizing the risk of underestimating or overestimating infrastructure's future needs.

Multi-site infrastructure monitoring

Monitoring remote systems in geographically distributed facilities presents a great challenge. Verax NMS & APM addresses this challenge by offering a **hierarchical arrangement** in which the network management and application monitoring function is split between the remote and the central locations.

Verax Systems has defined this as a federated approach to monitoring. The federated approach allows for the creation of a globally **distributed monitoring system** that allows the remote locations to operate autonomously and keep the central location aware of business operations.

More information

More information on Verax NMS & APM is available at:
www.veraxsystems.com/en/products/nms