# Management of Networks with

with

Av3ar NetOps

Av3ar NetOps Overview

Av3ar is an intelligent platform that understands, learns, interacts and solve problems as a human would.

Automating the processes that support IT services can reduce management costs and increase Productivity, while improving overall performance and availability of all critical business services.

Dashboard
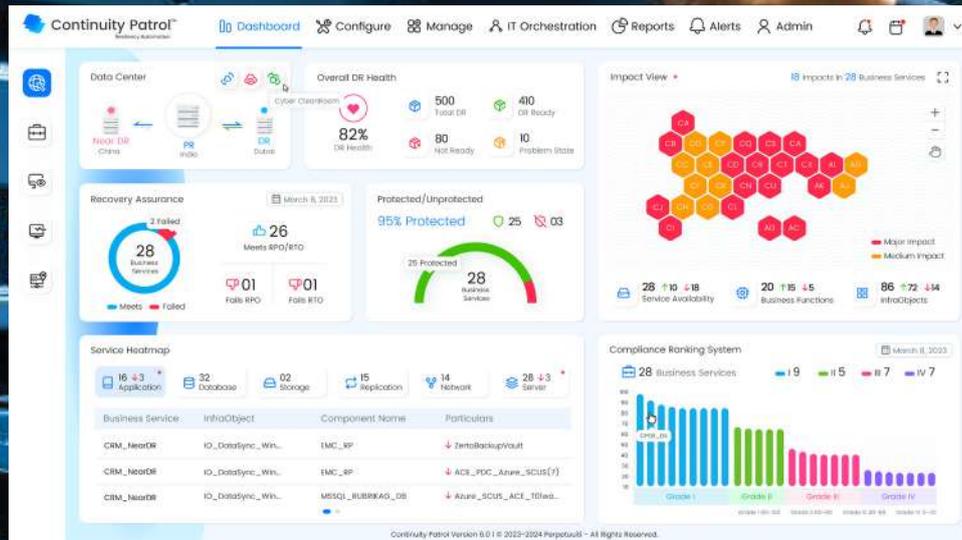
The next generation **Cognitive Computing and Machine Learning system** from Perpetuuiti, Av3ar is aimed to deliver end-to-end interactive solutions that dramatically improve the operational efficiencies of enterprises (of all sizes) in the global marketplace. It understands, learns and responds back to customers with emotions like humans.

The product gets plugged into the customer place and absorbs all the data to learn the pattern of the day-to-day tasks and processes. It automates the steps that are required to execute tasks to be carried out daily and solve complex problems that typically takes time to resolve. The built-in

Analytics engine is capable of predicting probable issues and breakdowns, decides the approaches to solve them automatically. The compatible platforms includes PC, Tablet or Mobile to view the interface and work on.

Av3ar uses **Artificial Intelligence (AI) and Machine Learning (ML)** algorithms to sense, predict, analyse and solve issues. It provides 360 degree view to customers through the Executive dashboard on the issues and their status updates like open/ resolved tickets, on-going tickets and so on.

Av3ar is aimed to deliver end-to-end Interactive solutions that dramatically improve the operational efficiencies of enterprises (of all sizes) in the global marketplace.

Av3ar NetOps Components
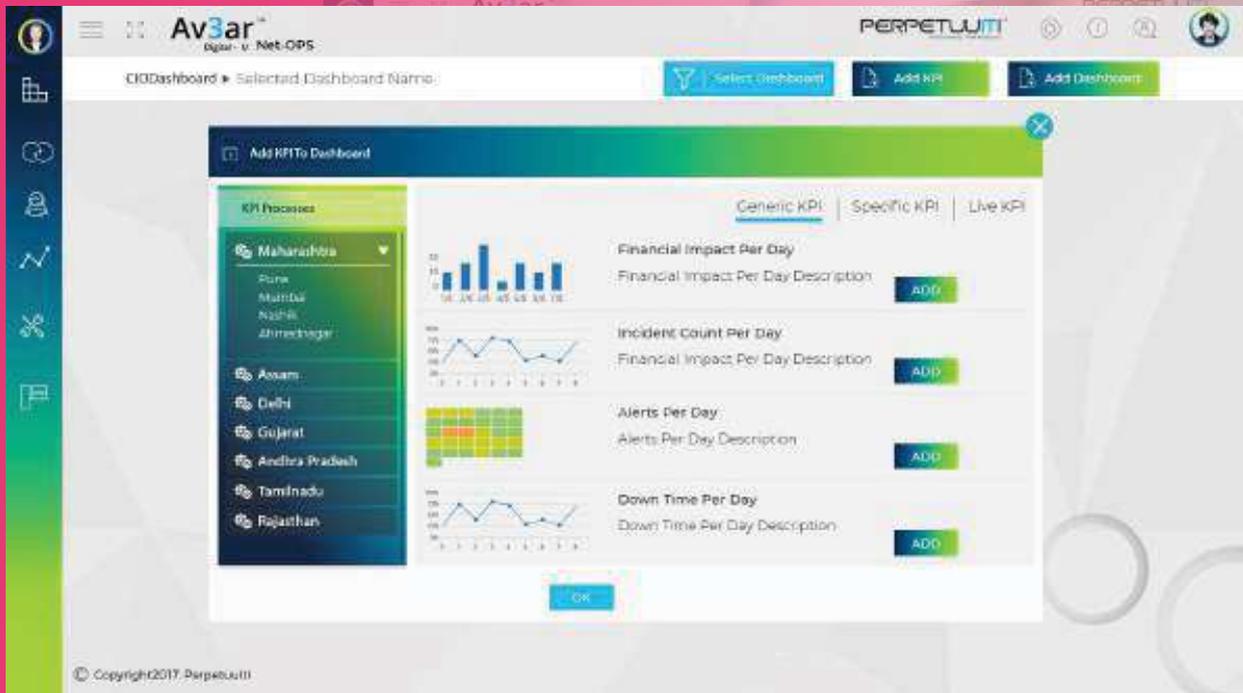
Intelligent Framework for Business Service Availability

Network components monitoring

Automated Orchestration for Networks

Analytic Augmentation

SDN Support & Management

3rd party Integration

Alerts and Reports

Business Impact with Qualitative and Quantitative Analysis.

Key features of Av3ar

→ Av3ar is Perpetuuiti' s next generation Cognitive Computing and Machine Learning system aimed at delivering end-to-end interactive solutions that dramatically improves the operational efficiencies of customers in the global marketplace.

→ Av3ar is a unique type of iNTELLIGENt Digital Workforce who can absorb, deconstruct and use information as a human would to solve problems

→ Av3ar is aimed to deliver end-to-end Interactive solutions enabling improvement in operational efficiencies of customers in the global marketplace. It is compatible with PC, Tablet or Mobile to view the interface and work on.

→ Av3ar has a Self Service portal that understands customer queries and resolve problems without human Intervention With built-in Analytics engine, and AI and ML algorithms it can sense, predict, analyze and decide approaches to solve issues

→ Provides 360 degree view to customers through the Executive Dashboard on the issues and their status updates like open / resolved tickets and on-going tickets

→ An Enterprise Management system that understands the Network Operations and manages the Infrastructure from the perspective of Service Availability Management being a central entity.

Av3ar NetOps Component brief

The scope is to deploy eMS enabled with network service availability management, analytics along with DC & DR Setup for each vendor technology (e.g. Cisco) proposed to be inducted into the Customer Core and Edge network and it needs to integrate with the existing NMS platform. Customer is also desirous of creating an autonomous platform for **Business Intelligence and Augmented Analytics,** Av3ar NetOps is an intelligent framework which is aimed to provide **Enterprise BusinessService Availability and Analytics** across the Network with a Vendor neutral approach. It helps customers get the insights of their network interdependencies and be able to visualize the business impact by means of Qualitative and Quantitative BIA for any critical and unplanned events. Av3ar NetOps also measures and analyzes the cascading impact of any Network disruption and translates the impact in terms of financials. the following.

The Core modules of Av3ar NetOps

- **Av3ar NetOps** Analytics Engine

- **Av3ar NetOps** Data Management module

- **Av3ar NetOps** Context Engine

- **Av3ar NetOps** Auto Discovery Engine

- **Av3ar NetOps** Correlation Engine

- **Av3ar NetOps** Orchestration Engine

- **Av3ar NetOps** What-If Engine

- **Av3ar NetOps** Performance Data Engine

Av3ar NetOps Integration

NMS Integration - To monitor and manage the Network components including Core and Edge devices from the perspective of Network Service Availability Management.

SDN Integration - To manage the configured Virtual Network components across Customer network environment from the perspective of Network Service Availability and Orchestration.

Augmented Analytics & Decision Support System

Augmented Analytics Overview

Augmented Analytics automates data insight by utilizing **Machine Learning and Natural Language Processing** to automate data preparation and enable data sharing. This advanced use, manipulation and presentation of data simplifies data to present clear results and provides access to sophisticated tools so business users can make day-to-day decisions with confidence. Users can go beyond opinion and bias to get real insight and act on data quickly and accurately.

Traditional and even manual modern data discovery can be expensive, difficult and time intensive to implement. You ask questions and then wait for an answer from a data analyst, BI professional or data scientist. Your business cannot wait. As a result, gut based decision-making still dominates day-to-day decisions in the field. Empowering everyone with rapid smart data discovery insight, when and where they need it, can ease those pains and make a positive impact on the bottom line.

Augmented analytics will be a key feature of NetOps analytics module. This would enable the business enterprises to generate queries, explore data, and receive and act on insights in natural language via mobile devices and personal assistants. Augmented analytics will be crucial for delivering unbiased decisions and impartial contextual awareness. It will transform how users interact with data, and how they consume and act on insights

Network Dependency Mapping

Av3ar NetOps DDE (Dependency Discovery Engine) is a module and integral part of Av3r NetOps. It has the capability to map every configured device with the in-bound and out-bound dependencies / Interdependencies automatically in Real-time and it does not require any agents or scripts to be available in the Production Application environment to capture the interdependencies.

Ability to assess the impact of any Critical, Unplanned outage on business financially

It updates the CMDB with auto discovered information dynamically and uses the same to calculate the Business Impact whenever any of the applications goes down to bring more visibility for the CXOs to understand the actual impact and takes an informed decision accordingly

NetOps helps in quantifying the impact as financial data through What-If Analysis

In order to properly capture, review and forecast network performance, you need to use analytics. Numerous variables should be monitored as part of the network management analytics data including response time, uptime, route analytics, intrusion attempts, and device availability. For the best form of network management, consider having another metric added – the amount of work that your network management system is tracking.

With the right analytic indicators, the Av3ar NetOps can alert you before there is any significant network degradation. In other words, if certain devices or applications have declined in traffic or use, the Av3ar NetOps could recommend certain areas where there is more availability to route the traffic that could allow routing to be adjusted and take advantage of the additional space.

Augmented Analytics can be overwhelming when there is so much data to disseminate. However with the right network analytics opportunities in place, network data can become your best source for overall systems management.

TO REQUEST A LIVE DEMO OR FOR ADDITIONAL INFORMATION ON Av3ar™ NETOps, PLEASE GET IN TOUCH WITH OUR AUTOMATION EXPERTS:

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About Perpetuuiti

Perpetuuiti empowers people and businesses alike. We deliver the world's most-comprehensive and urbane automation platforms making work more human. Our platforms deliver leading-edge automation solutions for modernizing resiliency management, and turbocharging the performance of your applications, IT and business operations at speed and scale to drive exponential efficiencies.

For more information, visit www.ptechnosoft.com

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