Intent Based Networking Market and Adaptive Network Analysis released by Mind Commerce

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Global Market will reach $4.1B by 2024, Led by AI, IoT, and SD-WAN

SEATTLE, WASHINGTON, UNITED STATES, May 15, 2019 /EINPresswire.com/ -- Intent Based Networking (IBN) is the concept of business outcome driven network management and operations. More specifically, IBN is defined largely by the extent to which network orchestration is automated, including software that may implement changes autonomously. Networks are increasingly becoming more self-aware and capable of dynamic optimization, often in real-time. In some cases changes are made to enhance a current state.

Driven by market-leading vendors such as Cisco, IBN represents a means of autonomously and intelligently supporting critical network functions, but it is a cyclical process in which data gathered from automatic processes provides the context necessary for analytics to indicate the extent to which business intentions are being met across the entire network.

Intent Based Network Market Sizing and Analysis from Mind Commerce

The Intent Based Networking market is a significant opportunity for infrastructure vendors as over 65% of enterprise companies will deploy intent based network in some form by 2024. Network automation and orchestration alone will reach nearly $490M by 2024. IBN will also fundamentally transform datacenter operations. SD-WAN will be a key technology as it will be the foundation of all network programmability.

> " Combination of AI and IoT (AIoT) will add Significant Value to Intent Based Networking"
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> *Mind Commerce*

IBN benefits to operators include self-healing, self-driving, self-managed, and self-aware networks. These are also terms associated with another technology that wireless carriers have already been deploying to optimize radio capacity and coverage, Self-organizing Networks (SON). The role of SON is to enable efficient, and in some cases programmatic means of fine-tuning cellular Radio Access Networks (RAN). Efforts to improve RAN operation have been ongoing for many years and this is expected to continue, especially as new radio technologies are introduced such as 5G.

Intent Based Networking Market: IBN by Technology, Infrastructure (Hardware, Software, Components, and Services), Solutions, Deployment Type, Network (WAN, MAN, LAN, PAN) and Connection (3G, LTE, 5G), Organization Type, and Industry Verticals 2019 – 2024 evaluates intent based networking including comparison of IBN with traditional networking in terms of architecture, capabilities, and benefits for carrier and enterprise networks. The report analyzes technologies, infrastructure, and the impact of implementing intent based networking in

conjunction with other emerging technologies such as Multi-access Edge Computing (MEC), 5G, AI, and IoT. The report also evaluates leading vendors, strategies, and solutions.

The report also provides Intent Based Networking market sizing for 2019 to 2025 globally and regionally as well as by technology and solution. This includes Infrastructure (Hardware, Software, Components, and Services - further broken down by programs, API, and SDK), Solutions/Applications, Deployment Type, Degree of Virtualization (Physical Network, Virtual Network, and Hybrid Network), Network Type (WAN, MAN, LAN, PAN), Connection Type (Wired and Wireless - further broken down by 3G, LTE, and 5G), Artificial Intelligence Type (Deep Machine Learning, Deep Neural Network, Machine Vision System, Predictive Analytics, NLP and Voice Recognition), Organization Type (SMB, Enterprise, Government), and Industry Verticals (Automotive, Financial, Government, Healthcare, Manufacturing/Automation, Telecom and IT, and more).

Additionally, the report provides quantitative analysis and forecasts for the impact of edge computing and IoT upon the intent driven networking market. This includes both Cellular/3GPP NB-IoT and non-cellular LPWAN (i.e. Sigfox, LoRa, Weightless, Ingenu). The report also provides quantitative analysis and forecasts for the market for securing IBN (e.g. the intent driven networking security market). The report also provides quantitative analysis and forecasts for special integration areas such as IBN support for networking involved with autonomous vehicles, smart cities, and more.

About Mind Commerce

Mind Commerce is an information services company that provides research and strategic analysis focused on the Information and Communications Technology (ICT) industry. Our ICT reports provide key trends, projections, and in-depth analysis for infrastructure, platforms, devices, applications, services, emerging business models and

Intent Based Network Market Sizing

Get Network Autonomy with Intent Based Networking Solutions

opportunities.
We focus on key emerging and disintermediating technology areas for service providers, technology providers, developers (communications, applications, content, and commerce), systems integrators and consultants, government organizations and NGOs, and the financial community. Visit us at https://mindcommerce.com/

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