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The SDN, NFV & Network Virtualization Ecosystem: 2016 – 2030 – Opportunities, Challenges, Strategies & Forecasts

PUNE, INDIA, November 18, 2016 /EINPresswire.com/ -- WiseGuyReports.Com Publish a New Market Research Report On – “The SDN, NFV & Network Virtualization Ecosystem: 2016 – 2030 – Opportunities, Challenges, Strategies & Forecasts”.

While the advantages of SDN (Software Defined Networking) and network virtualization are well known in the enterprise IT and data center world, both technologies also bring a host of benefits to the telecommunications service provider community. Not only can these technologies help address the explosive capacity demand of mobile traffic, but they can also reduce the CapEx and OpEx burden faced by service providers to handle this demand by diminishing reliance on expensive proprietary hardware platforms. The recognition of these benefits has led to the emergence of the NFV (Network Functions Virtualization) concept that seeks to virtualize and effectively consolidate many service provider network elements onto multi-tenant industry-standard servers, switches and storage.

Mobile operators and internet service providers have already begun making SDN and NFV investments in a number of functional areas including but not limited to EPC/mobile core, IMS, policy control, CPE (Customer Premises Equipment), CDN (Content Delivery Network) and transport networks. SNS Research estimates that service provider SDN and NFV investments will grow at a CAGR of 46% between 2016 and 2020. As service providers seek to reduce costs and virtualize their networks, these investments will eventually account for over $18 Billion in revenue by the end of 2020.

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The “SDN, NFV & Network Virtualization Ecosystem: 2016 – 2030 – Opportunities, Challenges, Strategies & Forecasts” report presents an in-depth assessment of the SDN, NFV and network virtualization ecosystem including enabling technologies, key trends, market drivers, challenges, use cases, deployment case studies, regulatory landscape, standardization, opportunities, future roadmap, value chain, ecosystem player profiles and strategies. The report also presents market size forecasts from 2016 till 2030. The forecasts are segmented for 10 submarkets, 2 user base categories, 9 use cases, 6 regions and 34 countries.

The report comes with an associated Excel datasheet suite covering quantitative data from all numeric forecasts presented in the report.

Key Findings:

The report has the following key findings:
SNS Research estimates that service provider SDN and NFV investments will grow at a CAGR of 46% between 2016 and 2020, eventually accounting for over $18 Billion in revenue by the end of 2020.
• At present, virtualized CPE, EPC/mobile core, IMS and policy control platforms represent nearly 70% of all VNF (Virtual Network Function) software investments
• SNS Research estimates that by 2020, nearly 80% of all new EPC investments will be virtualized
• Although the use of SDN is widespread in the enterprise and data center domain, service providers are only beginning to adopt the technology to programmatically manage their networks.
• Investments on orchestration platforms will account for over $1.6 Billion in revenue by the end of 2020, representing nearly 10% of all service provider SDN and NFV spending.
• The growing adoption of SDN and NFV has created a natural opportunity for silicon and server OEMs to combine their server platforms with a networking business stream.

Topics Covered:

The report covers the following topics:
• SDN, NFV and network virtualization ecosystem
• Market drivers and barriers
• Enabling technologies, protocols, architecture and key trends
• Use cases, applications, PoC (Proof of Concept) and deployment case studies
• CapEx saving potential of SDN and NFV
• Orchestration and management platforms
• Regulatory landscape and standardization
• Industry roadmap and value chain
• Profiles and strategies of over 240 leading ecosystem players
• Strategic recommendations for ecosystem players
• Market analysis and forecasts from 2016 till 2030

Forecast Segmentation:

Market forecasts are provided for each of the following submarkets, user base and use case categories:
Submarkets

• SDN Hardware & Software
• NFV Hardware & Software
• Other Network Virtualization Software

User Base Categories
• Service Providers
• Enterprises & Data Centers
NFV Submarkets

Hardware Appliances
• Orchestration & Management Software
• VNF Software

Service Provider SDN Submarkets

SDN-Enabled Hardware Appliances
• Orchestration & Management Software
• SDN Controller Software
• Network Applications Software

Enterprise & Data Center SDN Submarkets
• SDN-Enabled Hardware Appliances
• SDN-Enabled Virtual Switches
• SDN Controller Software

Service Provider Use Case Categories
• CDN
• CPE
• Data Center
• EPC/Mobile Core
• Fixed Access Networks
• IMS & VoLTE
• Policy, OSS & BSS
• RAN (Radio Access Network)
• Transport & Backhaul

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Regional Markets

Asia Pacific
• Eastern Europe
• Latin & Central America
• Middle East & Africa
• North America
• Western Europe

Country Markets: Argentina, Australia, Brazil, Canada, China, Czech Republic, Denmark, Finland, France, Germany, India, Indonesia, Israel, Italy, Japan, Malaysia, Mexico, Norway, Pakistan, Philippines, Poland, Qatar, Russia, Saudi Arabia, Singapore, South Africa, South Korea, Spain, Sweden, Taiwan, Thailand, UAE, UK and USA

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