LOGICALIS
Architects of Change

Datasheet

Intent-Based Networking

Intent-based networking provides the speed and agility to deliver the connectivity required by today's organizations.

Overview

As organizations continue their digital transformation journey by leveraging cloud computing and incorporating mobile and IoT devices, their networks will need to become larger and more complex. Yet their business needs will also demand an agile and adaptable network. Logicalis can help accelerate digital transformation via an agile, adaptable, and intelligent network that enables business growth. Logicalis network solutions enable organizations to efficiently architect and deploy systems that provide secure, reliable, and seamless access to resources (from multiple locations and devices) to applications located anywhere.

Business today requires that users be able to get what they need when they need it, from anywhere, and on any device. However, it seems that networks are always one step behind this requirement. This requires network administrators to resolve problems and implement changes more quickly. Adding cloud-hosted SaaS applications and never-ending endpoints into the picture, it's clear that traditional network administration is never going to keep up. More visibility in the network is needed, and automation is a must.

The answer to this complex need is intent-based networking (IBN). IBN takes software defined networks to the next level by adding additional components that allow the network to respond to direction from a network administrator.

Using automation and management policies, it translates the intent of the administrator into policy and device configurations that are automatically deployed, validated, and monitored.

Benefits

Logicalis can help accelerate your digital transformation via an agile and adaptable network that enables business and global growth. Our Intent-based Network solutions enable your organization to efficiently architect and deploy systems that provide secure, reliable, and seamless access to resources (from multiple locations and devices) to applications located anywhere. By taking a proactive approach, Intent-based Networks also reduce the administration and technical burden of managing your network. Other benefits include:

- Speed and agility to provide flexibility to quickly change and align with rapidly changing business objectives
- Easy network automation to configure, operate, and maintain in the face of growing scale and complexity
- Full visibility to network operation
- Assurance that it is supporting desired business initiatives and achieving compliance
- Identifies discrepancies and recommends fixes
- Recognizes and neutralizes security threats before they cause harm
- Provides centralized management
- Easily integrates with third-party applications.

Solutions

Campus and Branch Networks (Wired & Wireless)
- Centralized network management platform
- Access to end-to-end, real-time, and historical health information
- Automation for network device deployment (zero touch provisioning)
- Lifecycle and inventory management
- Software image management (SWIM)
- Device configuration governance

Data Center Networks
- Centralized data center network management for physical and virtual devices
- Policy-based network management
- Touchless provisioning
- API-based automation and orchestration
- Real-time monitoring and troubleshooting

Wide Area Networks
- Optimize application performance and reduce bandwidth usage
- Simplify link redundancy with real-time, SLA-based traffic steering
- SaaS-ready WAN (i.e., O365, Salesforce)
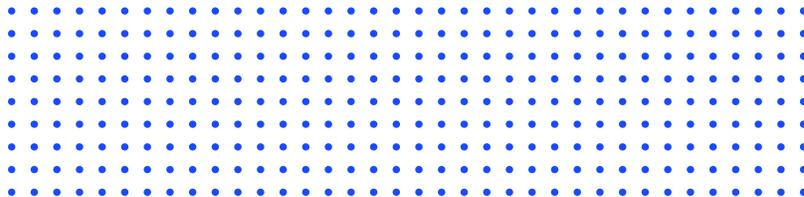- Cloud IaaS-ready WAN (i.e., Azure, AWS)
- Centralized WAN management
- WAN security

Network Access and Segmentation
- Identity-based network access
- Identity-based security profiles
- Identity-based network segmentation
- Secure on-boarding of users and devices

Services
- Consulting services
- Design and implementation
- Service desk
- Managed services

Components of a Smart Network

Translation: It translates the intent (business or technical) of a network administrator into actions or policies and checks the integrity.

Activation: It instantly implements configuration changes across the network (on both physical and virtual devices) with minimal errors, using automation and/or network orchestration.

Assurance: It continuously monitors the network to ensure the original intent is being met, proactively identify any degradation of performance or accessibility, and recommend corrective action.

What we can do for your organization?

Contact Logicalis to learn how we can help.

Visit
www.us.logicalis.com

Call
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