



# All-New iMaster NCE-FabricInsight: Ideal for Intelligent O&M of Data Center Networks

**iMaster NCE-FabricInsight V100R019C10**, the latest-version data center network analyzer, **will be launched at the end of March 2020**, which provides the following innovative features:

- Comprehensive network health evaluation
- Intelligent "1-3-5" troubleshooting for typical faults
- Standalone deployment
- Compatibility with both SDN and non-SDN networks

## Data Center Network O&M Challenges

Powered by 5G and AI, a growing number of enterprises embark on digital transformation to seek new business growth. An issue that comes along is the unprecedented complexity on networks. However, **the traditional SNMP-based manual O&M mode has problems such as passive response and long fault locating time**, and therefore is incapable of intelligent O&M.



### Difficult network inspection

- Manual inspection: 2 hours/day
- Manual report generation, time-consuming and error-prone



### Difficult fault detection

- Detection against fixed thresholds, no proactive warning
- Passive O&M, poor service experience



### Difficult fault locating

- SNMP-based polling at an interval of 5 minutes, issues detected after service faults occur
- Time-consuming manual fault locating (several hours on average)

**Service experience determines business revenue. Intelligent O&M transformation is the only way out for data center networks.**

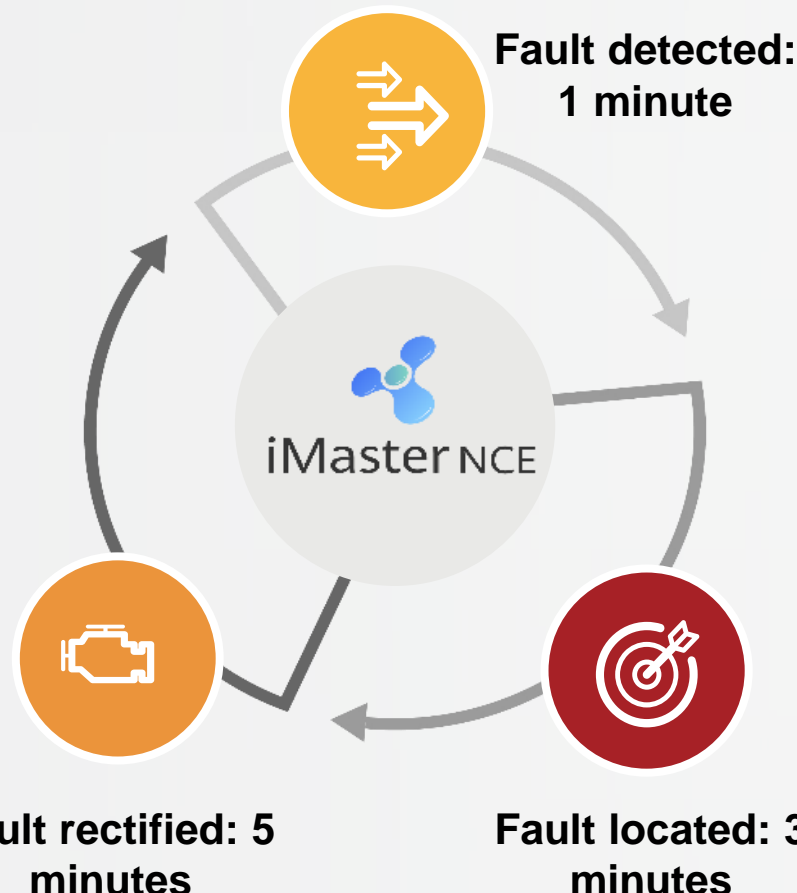
## iMaster NCE-FabricInsight Differentiators

### Differentiator 1: Industry-Unique Network Health Evaluation System, Achieving Proactive Risk Prevention

- **Telemetry-powered all-scenario** data monitoring and **real-time network visibility**
- **Multi-dimensional** (device, network, protocol, and overlay) network evaluation system for **comprehensive network health check**
- **Real-time or periodic push** of **60+** network reports of **10+** types, proactive warnings for anomalies

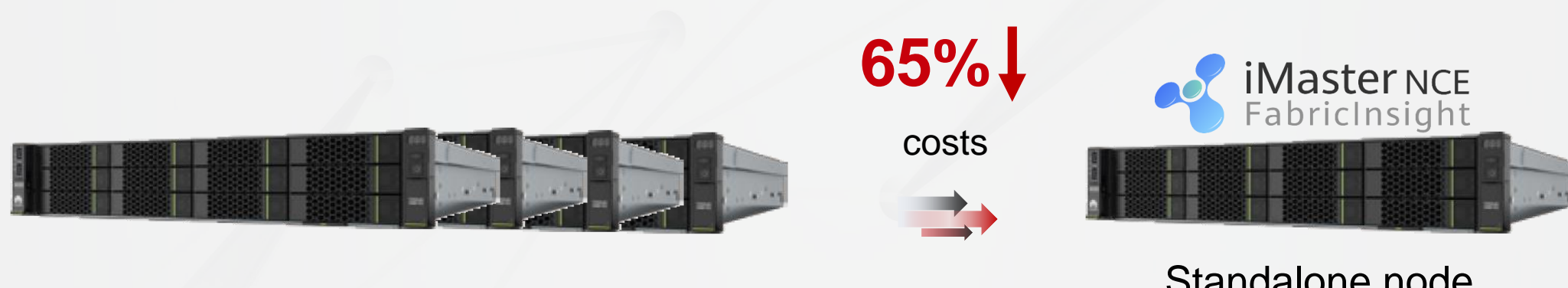


### Differentiator 2: "1-3-5" Troubleshooting, Ensuring Zero Service Interruptions



- 1 Telemetry:** Collects **full** information **in real time** to quickly detect **typical faults**.
- 3 AI algorithm:** Builds **network knowledge graphs** to quickly locate root causes of faults.
- 5 Industry's only fault self-closed-loop system:** Evaluates and recommends recovery solutions to automatically rectify faults.

### Differentiator 3: Standalone Deployment



**Standalone deployment:** all-in-one and economical solution, protecting customer investments and facilitating business success

### Differentiator 4: Compatibility with Both SDN and Non-SDN Networks

Dimension	Issue Types	Non-SDN Networking	SDN Networking
Device	25	●	●
Network	10	●	●
Protocol	6	●	●
Overlay	4	✗	●

## iMaster NCE-FabricInsight Business Model

Perpetual license + SnS

**Standalone node**  
(≤ 100 CE switches)

**Recommend**

- Value-added package of network health
- Basic package of intelligent network analysis
- Standalone node

**Cluster**  
(> 100 CE switches)

**Recommend**

- Value-added package of network health
- Basic package of intelligent network analysis
- Big data analytics platform
- Cluster server: ≥ 3 nodes

**Full-function advanced solution**

**Recommend**

- Value-added package of network health
- Basic package of intelligent network analysis
- Big data analytics platform
- Value-added package of network flow analysis
- Cluster server: ≥ 3+1 nodes

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For more information about iMaster NCE-FabricInsight, visit <http://e.huawei.com>