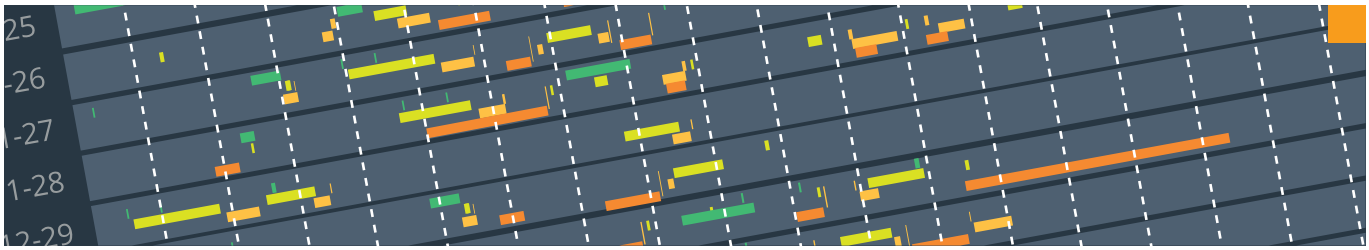
GeNiJack

Integrated Hardware Endpoint for GeNiEnd2End Network



GeNiJack 202, GeNiJack 304 and GeNiJack 402 are new integrated GeNiEnd2End Hardware Endpoints for NETCOR's GeNiEnd2End 24/7 end-to-end service monitoring software. It is very easy to deploy the GeNiJacks into the network to deliver End-to-End active performance monitoring and analysis of Triple Play network traffic. Under the control of the web based GeNiEnd2End network management and reporting solution the GeNiJacks monitor permanently the QoS and QoE performance metrics of Triple Play applications. In case predefined thresholds are exceeded, an alarm is generated for early problem detection.

Centralized web-based management of packet capturing

The powerful GeNiJack 304 with its four and GeNiJack 402 with its six network interfaces extend the field of application with the capability to capture data packets for in depth network and application trouble-shooting. Coordinated via GeNiEnd2End multi-tier packet captures can be configured centrally and for intermittent applications problems external Wireless/LTE Network Adapters can be connected via USB 3.0. In case of multi-tier-packet capturing, the multiple trace files are brought together by GeNiEnd2End MultiTrace and in combination with a multi-segment analysis tool network-tier visibility is provided to isolate performance incidents in complex IT environments.

GeNiJack 202 with two RJ45 ports and Wi-Fi

GeNiJack 304 with four RJ45 ports and Wi-Fi

GeNiJack 402 with two 10G Fiber SFP cages

End-to-End Quality-of-Service verification test point

A key topic in Next Generation Networks is to ensure end-to-end Quality-of-Service (QoS) for Triple Play applications in multi-domain environments. GeNiJack 202, GeNiJack 304 and GeNiJack 402 are inexpensive test points to diagnose performance problems, which are caused by QoS related network configuration or network architecture design issues. Controlled by GeNiEnd2End Network, deployed GeNiJacks at QoS demarcation points validate the end-to-end QoS automatically. In case the QoS mechanism is malfunctioning, the network manager will be informed. With this approach QoS related performance problems are detected and assigned immediately without elaborate troubleshooting. This proactive end-to-end monitoring minimizes service degradations and saves costs.

Benefits of GeNiJack

- Test point for automatic End-to-End QoS verification
- Compact endpoint with low power usage
- Cost-effective hardware endpoint for GeNiEnd2End
- Enterprise-wide web-based packet capturing

	GeNiJack 202	GeNiJack 304	GeNiJack 402
Operating System	Linux		
Internal Storage	240 GB SSD	240 GB SSD	250 GB SSD
CPU	4x 3.4 GHz Intel Alder Lake	4x 3.4 GHz Intel Alder Lake	6x 3.8 GHz AMD Ryzen 5
RAM	8GB	8GB	32 GB ECC
Network Interfaces	2x 10/100/1000 Base-T Wi-Fi 802.11ax	3x 2,5G Base-T 1x 2,5G Base-T with PoE Wi-Fi 802.11ax	2x 10G Fiber cage, inkl. 2x 1G/10G SR SFP+ 2x 10/100/1000 Base-T
Endpoint TCP throughput duplex	ca. 4 Gbit/s	ca. 10 Gbit/s	ca. 40 Gbit/s
Endpoint UDP throughput duplex	ca. 440 Mbit/s	ca. 2 Gbit/s	ca. 3 Gbit/s
USB ports	4x USB 3.0	1x USB 3.0 & 4x USB 2.0	4x USB 3.2 Gen1
Power adapter	100-240V 50-60 Hz		
Dimensions	141,0mm (L) 129,0 mm (W) 38,0 mm (H)	150,0 mm (L) 127,0 mm (W) 62,0 mm (H)	393,2 mm (L) 430,0 mm (W) 43,5 mm (H)
Cooling	fanless	fanless	cooling fan

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