Universal routing platform

...is not any more exclusively domain of large telco carriers...

Lubos Vocasek
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Our mission and ambition is to offer best in their class products in scope of security, networking and management along with best technical and sales support. Acting since 1991 year as a largest specialized distributor with an added value (VAD) on Polish and Eastern European markets we have been successfully introducing and promoting unique solutions, which leading position in their segments is being consequently confirmed by reports of independent analysts (Gartner, IDC).
Clico – portfolio
PROFIcomms s.r.o. introduction

- Communication and security technologies distributor for CZ and SK
  - Company, metro and telco networks
  - Industry communication, CCTV systems, security and surveillance applications

- Value added distributor:
  - Wide pre-sales and application support
  - **Above standard technical support** for all project phases
  - Wide service support

- Sister company of Network Group s.r.o.- distributor of passive network elements (structured cabling, optical and metallic cables, accessories)

- Based in Brno, on the market since 1993
- 28 employees: incl. 8 technicians and 10 sales rep.
  - ISO 9001
PROFIcomms s.r.o. portfolio
Juniper portfolio overview
Juniper MX Series
5G Universal Routing Platform

A robust portfolio of SDN-enabled routing platforms that provide industry-leading system capacity, density, security, and performance with unparalleled longevity. MX Series routers are the key to digital transformation for service providers, cloud operators, and enterprises in the cloud era.
Juniper MX enterprise usecases:
Multiple virtual network functions on a single physical device

Consistency and reusability of equipment anywhere in the network

Maximum operational efficiency with any architecture, scale up or scale out

Juniper MX: EFFICIENT & OPTIMAL
HYPERVERSOR
FOR NETWORK SERVICES

- **Multiple Services** over the same infrastructure
- Functionally, operationally & administratively isolated
- Independent life-cycle management
- Shorter Service/SW qualification cycles
- Simpler and Faster Service deployment
- Reduced failure domain
- Isolated scale characteristics
Juniper MX204 Compact Router

KEY FEATURES

Compact Design
- Fixed form factor 1RU platform
- 19 inch, 515mm depth, ETSI 600 compliant
- 400G bandwidth
- Multi-rate (4)100GE, (4)40GE and (24)10/1GE ports
- Full HQoS, 1588, SyncE

Routing Engine
- Multi-core X86 based single RE

Power
- Power efficient ~ 0.9W/G
- AC/DC PSMs; 1+1 redundancy

Cooling & NEBS
- Redundant, Front to back air-cooling, NEBS Compliant
Fifth Generation Trio ASIC

MX240, MX480, MX960 MPC
- 1.5T target per slot
- 100GE optimized
- Backward compatible with all Trio MPCs

MX2008, MX2010, MX2020 MPC
- Targeting 4T per slot
- Less than 0.25W/G
- Fully backward compatible

Packet Forwarding Engine
- Very high capacity security with inline encryption/decryption
- Full HQoS and inline services

Upgrade
- No change to existing fans and power supply
- New Fabric and Line Card only

LESS THEN 0.25W/G
INLINE L2 / L3 CRYPTO (Industry First)
100GE and 400GE OPTIMIZED
FLEXE LINK BONDING
JUNOS
Fusion Provider Edge (JFPE)

- **Scalable** solution for low speed (1GE/10GE) interface aggregation
- **Simple management**, configuration, upgrades via MX
Junos – Extensible OS

- Language agnostic
- App Development on any OS
- Extensive Documentation
- App Development on any IDE of choice
- Internal APIs and external APIs are the same
- Binary compatibility across Junos releases
- APIs are decoupled from Junos releases
- Consistent APIs across platforms
- eDB for faster commits (1000s of transactions/sec)

- Route APIs
- Interface APIs
- Firewall APIs
- Mgmt APIs
- COS APIs
- Notifications

- Binary compatibility across Junos releases

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Pervasive & Instantaneous DDoS Mitigation

Goal

Protect network infrastructure from collateral damage.
Standard Northbound Traffic Data Export
Standard Southbound Mitigation enforcement

Traffic Data Export

Netflow (Alternate: IPFIX)
Sampled port-mirror

DDoS mitigation

Netconf
Flowspec

Key Differentiation

Flex filter match (any # of bytes in the packet/payload)
Filter scale (number of terms & number of filters)
Data Retention projects newly at PROFIcomms

• SOLUTION OF FLOWMON COLLECTOR AND JUNIPER ROUTER MX204

• WE’LL PREPARE YOUR TAILORED SOLUTION FOR FREE

• WE WILL HELP YOU WITH THE SUBSIDY

• FOR MORE INFORMATION STOP AT OUR STAND
And there’s much more…
Thank you for your attention!

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