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Version 9.0 Alpha Centauri

Changes in version 9.0 Alpha Centauri [1]

1. CentOS 8.1 as a Control Plane and DPDK in Data Plane support is added
2. 2.5G/5G/10G/25G/50G/40G/100G network adapters based on Intel chipsets XXV710, XL710, X710, E810, FM10000 or Mellanox ConnectX-4,5,6 support is added
3. AMD EPYC Rome server processors support is added
4. GTPv1/GTPv2 tunnels support
5. new service: routing of the traffic set by the service to a local TAP interface
6. events of radius traffic allocated from the general flow support in Radius Monitor

Changes in version 9.1:

1. NUMA[2] support improvements - modes that do not require traffic shaping are allowed (such as filtering, QoE)
2. listened ports list in Radius events monitor support is added
3. bugfix

Changes in version 9.2:

1. extracting IMSI/MSISDN tunnels from GTPv1/GTPv2 and associating them with a subscriber is added
2. VLAN for L3 subscribers termination support (new Radius-attribute VasExperts-L2-User)
3. detecting GTPv2-C, WireGuard support added, Chameleon, Bittorrent support improved
4. QinQ in VLAN termination fixed
5. when closing an accounting session by idle timeout, PCRF notifies VAS Experts DPI about closing the session if acct_auth_sync=1 in fastpcrf.conf. This leads to re-authorization
6. Radius monitor: IPv6 support
7. Radius monitor: tacacs, diameter support
8. Radius monitor: NAT profiles assigning to subscribers support (subnet based)
9. bugfix

You can check the current installed version using the following command

```
yum info fastdpi
```

Downgrade to 9.1:

```
yum downgrade fastdpi-9.1 fastpcrf-9.1 fastradius-9.1
```

After the version is changed, a service restart is required:

```
service fastdpi restart
```

❗ If PCRF and/or Radius are used, they also require restart

❗ Do not upgrade the Linux kernel. In newer versions of the kernel binary compatibility with

Kernel ABI may be broken and the network driver will not boot after the update. If you did update, then temporarily (during solving the problem) configure the grub boot loader to load the previous kernel version (in the /etc/grub.conf file please set the following option: default = 1).

If there is a warning that the update is not found or problems with dependencies are found, then run the command before updating:

```
yum clean all
```

To check what's new in [the previous version](#).

[1)]
Alpha Centauri - a three-star constellation in which α Centauri is one of the brightest stars in the night sky. Like this VAS Experts united bright, high-quality and fast products of BRAS/BNG, DPI and CG-NAT, which laid the foundation for the success of the solution in the Russian and foreign markets.
There are more bright stars await. Stay Tuned!
[2)]
systems with 2 and more processors