Содержание

1 Version Information

Version v.1.12.9 (10/20/2021)

- Clickhouse version update to 21.10+
- Console command for displaying statistics - statdpi
- Domain database

Version v.1.11.3 (08/23/2021)

- Cluster support
- Sharding support
- Support for custom protocols

Version v.1.10.7 (08/05/2021)

- Clickhouse version update to 21.7+

Version v.1.9.0 (12/28/2020)

- Receiving Netstream NAT from third-party systems in QoE Stor. Automatic binding of IP-LOGIN in NAT logs

Version v.1.8.1 (11/12/2020)

- Flexible configuration of fullflow and clickstream aggregation in QoE Stor

Version v.1.7.3 (10/15/2020)

- The ability to store data on HOT and COLD disks
- Reception and storage of NAT logs. The option to generate a NAT log from fullflow. Flexible configuration of the aggregation period and the list of fields to be aggregated
- Reception and storage of GTP logs

Version v.1.6.0 (09/14/2020)

- Option: substitution of the Login field with the value from the vchannel field
- Bug fix

Version v.1.4.2 (06/02/2020)

- Bug fix

Version v.1.4.0 (05/04/2020)

- Clickhouse 20.3 compatibility support
- Ability to install on CentOS 8

Version v.1.3.8 (04/09/2020)

- Updated protocol dictionaries
- Added auto-update of the AS dictionary

Version v.1.3.6 (11/25/2019)

- Updated protocol dictionaries

Version v.1.3.5 (11/06/2019)

- Fixed the behavior of the dictionary of local subnets (got extra addresses)
- Adapted clickstream loading for the correct operation of the user interface in dpiui2-2.8.2

Version v.1.3.4 (10.25.2019)

- Locked in clickstream

Version v.1.3.3 (10/15/2019)

- Update Clickhouse to the latest version (> = 19.15)
- Improved method of loading and processing logs
- Prepared base for the analysis of raw logs
- Connection logs Clear and Netflow

Version v.1.1.1 (09/06/2019)

- Update Clickhouse to the latest version
- Directories asnum_exclude_dic, subnets_exclude_dic and the corresponding filtering mode for these directories

Version v.1.0.9 (21.02.2019)

- Bug concerning incorrect recognition of trunk switches is fixed
- `protocols_dic` dictionary is updated

Version v.1.0.7 hot fixes (24.12.2018)

- ipfix re-export feature is added and is available through the ipfixreceiver configuration file: IPFIX_FULLFLOW_EXPORT and IPFIX_CLICKSTREAM_EXPORT

Version v.1.0.6 hot fixes (04.12.2018)

- Bugs concerning the work of the subnets_local_dic dictionary (such as "A call to function range would produce 12884901882 array elements")
- ipfixreceiver2 receiver configuration has been fixed (FileWriter queue is full. Records dropped.)

Version v.1.0.5 (03.12.2018)

- Host Category Dictionaries
- Transition to the ipfixreceiver2

1. Do not forget to update the installation script (in the Installation section) before upgrading. To upgrade, use the installation script.
2. After the upgrade has been finished, check whether the receivers are running:

```
netstat -nlp | grep 1500
```

and

```
netstat -nlp | grep 1501
```

ipfixreceiver2 should listen corresponding sockets.

3. If receivers are not running, execute the /var/qoestor/backend/qoestor-config.sh script

Version v.1.0.4 (02.11.2018)

- Preaggregation is implemented resulting in reducing the netflow by 6-7 times and clickstream by 3 times
- The following dictionaries are implemented: subscribers, switches, autonomous systems (AS), crc
- The following features are added: identification the traffic direction and subscribers filtering (separation of IP hosts and IP subscribers) by AS and CIDR. This option is meaningful only if the VAS Experts DPI is implemented using the mirror connection scheme.

This QoE Stor version works with the version of DPIUI2-2.1.5 and higher

If you have already installed version 1.0.0, then you should to delete the database due to complete version incompatibility before installing the new version. To do so issue the command:

Version v.1.0.0 (20.09.2018)

- A new QoE Stor module is implemented