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# **VAS Experts DPI technical requirements**

Minimum system requirements depending on the bandwidth:

## **VAS Experts DPI-6**

- CPU intel Xeon with at least 4 cores with a frequency of 2.5 GHz and more
- RAM - 16 GB
- SSD (NVMe) - 500GB x2

## **VAS Experts DPI-10/20**

- CPU intel Xeon with at least 6 cores with a frequency of 2.5 GHz and more
- RAM - 32 GB
- SSD (NVMe) - 500GB x2

## **VAS Experts DPI-40**

- CPU intel Xeon with at least 12 cores with a frequency of 2.5 GHz and more
- RAM - 64 GB
- SSD (NVMe) - 1TB x2

## **VAS Experts DPI-60**

- CPU intel Xeon with at least 16 cores with a frequency of 2.3 GHz and more
- RAM - 128 GB
- SSD (NVMe) - 1TB x2

## **VAS Experts DPI-80**

- CPU intel Xeon with at least 22 cores with a frequency of 2.3 GHz and more
- RAM - 196 GB
- SSD (NVMe) - 1TB x2

## **VAS Experts DPI-100**

- CPU intel Xeon with at least 28 cores with a frequency of 2.5 GHz and more
- RAM - 256 GB
- SSD (NVMe) - 1TB x2

## VAS Experts DPI-200

- 2xCPU intel Xeon with at least 28 cores with a frequency of 2.5 GHz and more
- RAM - 256 GB
- SSD (NVMe) - 1TB x2

**The following are configuration examples:**

## VAS Experts DPI-6

| Feature                                             | Value                   |
|-----------------------------------------------------|-------------------------|
| Total throughput                                    | up to 6 Gb              |
| Hardware platform                                   | 1U rackmount server 19" |
| Number of subscribers                               | 400K                    |
| Maximum number of sessions                          | 4M                      |
| Maximum number of newly created sessions per second | 100K                    |
| Network interfaces                                  | 6 x 1GbE                |
| Latency                                             | up to 30 $\mu$ s        |

### Technical equipment specification (typical, recommended)

| Item       | Specification                   | Number |
|------------|---------------------------------|--------|
| Platform   | Dell/Futjitsu/Supermicro        | 1 pcs. |
| CPU        | E5-1650v4                       | 1 pcs. |
| RAM        | 8 GB 1866 MHz ECC Reg           | 2 pcs. |
| HDD        | 500 GB                          | 2 pcs. |
| RAID       | 0,1                             | 1 pcs. |
| PSU        | 750W                            | 2 pcs. |
| NIC Bypass | Silicom PEG6BPi35 (or analogue) | 1 pcs. |

### Technical equipment specification (minimal)

| Item       | Specification                    | Number |
|------------|----------------------------------|--------|
| Platform   | Dell/Futjitsu/Supermicro         | 1 pcs. |
| CPU        | E3-1240v2 (3.4Ghz) 4C            | 1 pcs. |
| RAM        | 8 GB                             | 2 pcs. |
| HDD        | 500 GB                           | 2 pcs. |
| RAID       | 0,1                              | 1 pcs. |
| PSU        | 400W                             | 2 pcs. |
| PCI-E      | 3.0 x8 (in x16) Full-height slot | 1 pcs. |
| NIC Bypass | Silicom PEG6BPi6                 | 1 pcs. |

## VAS Experts DPI-20

| Feature                                             | Value                   |
|-----------------------------------------------------|-------------------------|
| Total throughput                                    | up to 20 Gb             |
| Hardware platform                                   | 1U rackmount server 19" |
| Number of subscribers                               | 2M                      |
| Maximum number of sessions                          | 16M                     |
| Maximum number of newly created sessions per second | 250K                    |
| Network interfaces                                  | 2 x 10GbE               |
| Latency                                             | up to 30 $\mu$ s        |

### Technical E5-16xx specification (typical, recommended option)

| Item       | Specification               | Number |
|------------|-----------------------------|--------|
| Platform   | Dell/Futjitsu/Sypermicro    | 1 pcs. |
| CPU        | E5-1650v4                   | 1 pcs. |
| RAM        | 8 GB 1866 MHz ECC Reg       | 4 pcs. |
| HDD        | 500 GB                      | 2 pcs. |
| RAID       | 0,1                         | 1 pcs. |
| PSU        | 500W                        | 2 pcs. |
| NIC Bypass | Silicom PE210G2BPI9-SR (LR) | 1 pcs. |

### Technical E5-26xx specification (recommended option)

| Item       | Specification                                                          | Number |
|------------|------------------------------------------------------------------------|--------|
| Platform   | Dell/Futjitsu/Sypermicro with 2 slots                                  | 1 pcs. |
| CPU        | E5-2640v4 (10 cores, 2.4GHz) recommended frequency of 2,5 GHz and more | 1 pcs. |
| RAM        | 8 GB 1866 MHz ECC Reg                                                  | 4 pcs. |
| HDD        | 500 GB                                                                 | 2 pcs. |
| RAID       | 0,1                                                                    | 1 pcs. |
| PSU        | 500W                                                                   | 2 pcs. |
| NIC Bypass | Silicom PE210G2BPI9-SR (LR)                                            | 1 pcs. |

## VAS Experts DPI-40

### Technical E5-26xx specification (typical, recommended option)

| Item       | Specification               | Number |
|------------|-----------------------------|--------|
| Platform   | Dell/Futjitsu/Sypermicro    | 1 pcs. |
| CPU        | E5-2697v2, E5-2690v4        | 1 pcs. |
| RAM        | 8 GB 1866 MHz ECC Reg       | 8 pcs. |
| HDD        | 1 TB                        | 2 pcs. |
| RAID       | 0,1                         | 1 pcs. |
| PSU        | 500W                        | 2 pcs. |
| NIC Bypass | Silicom PE210G2BPI9-SR (LR) | 2 pcs. |

**Attention:** Since version 3.0, the requirement for a processor to have at least 12 cores in case of E5-2697V2, must be taken into account when updating the software from version 2.X

## VAS Experts DPI-80

### Technical E5-26xx specification (recommended option)

| Item       | Specification               | Number  |
|------------|-----------------------------|---------|
| Platform   | Dell/Futjitsu/Sypermicro    | 1 pcs.  |
| CPU        | E5-2699 v4                  | 1 pcs.  |
| RAM        | 16 GB 2133 MHz ECC Reg      | 16 pcs. |
| HDD        | 1 TB                        | 2 pcs.  |
| RAID       | 0,1                         | 1 pcs.  |
| PSU        | 500W                        | 2 pcs.  |
| NIC Bypass | Silicom PE310G4BPi9-SR (LR) | 2 pcs.  |

**Equipment referred to as typical will be pre-ordered by us by default to reduce the delivery time. All configurations are checked on the test bed before delivery.**

*Note: You can order the equipment meeting certain specification on your own, so the prices from the suppliers will be lower than specified ones.*

**Equipment with other characteristics is supplied only by individual order, delivery time is at least 8 weeks.**