**ST Servers:**

**ST-SRV1 (ex: Shturman-Root)**

*Configuration:*

- Xeon E3-1220 v3 @ 3.1GHz, 8Gb, 2x1000 HDD (Raid1)

- 32Gb, 2x250 HDD (Raid1), 2x1000 HDD (Raid1)

- Windows Server 2012 R2

*Roles:*

- DFS

- VM:

- ST-DC1 (DC 1 for st.local domain)

- ST-DC2 (DC 2 for st.local domain)

- ST-EDR-DC1 (DC for edr.st.local domain)

- ST-ISA (Proxy)

- ST-PRN1 (Print server)

- ST-RRAS-SPb (VPN server)

- ST-BUILD1 (Build Server)

- ST-BACKUP1 (BackUp Server)

- ST-SQL2012 (Public SQL Server)

- FI-TFS2012 (Test TFS server)

- FI-VMM R2 (System Centre 2012)

**ST-RRAS (ex: Shturman-Base)**

*Configuration:*

- i5-3570 @ 3.4GHz, 16Gb, 1x2000 HDD

- 2x250 HDD (Raid1)

*Roles:*

- RRAS (Gate for Systech-ST-Internet-SomeNetworks)

**ST-HRV1, ST-HRV(n) (ex: Shturman)**

*Configurations:*

**Total:** Logical CPU: 8, Memory: 32Gb

*HRV1:* i7-3770 @ 3.4GHz, 16Gb, 2000 HDD (Raid?)

* Require: 32GB, 2x250HDD(Mirror); 5x1Tb WD Raptor (Raid 10 + Spare)

*HRV(n):* i7 930 @ 2.8GHz, 32Gb, 2x250HDD(Mirror)

*Roles:*

- Hosts for Virtial machines

*Always Run:*

- Shturman Server (Production Emulation)

- Blocks (2pcs) (Block Emulation)

- Testers VM

- Developers VM

*Runnig only for current testing:*

- Public servers (BackUp, SQL, DC1, Build, VPN, Print)

*Stored PC* (Not Run)

- ~?? VM

**Total resources utilization:**

* ran VMs: ~ ??
* CPU: ~??
* RAM: ~??Gb
* HDD:  ~??TB

**ST-NAS (ex: Shturman08)**

*Configuration:*

- i5-3570 @ 3.4GHz, 8Gb, 1x2000 HDD

 Require: 2x250HDD(Mirror); 5x3Tb WD Red (Raid 10 + Spare)

*Roles:*

File Server

NAS for Virtual Hosts and R&D Spb

**Other Hardware:**

* KVM
* Switches - 1 pcs: Cisco SG-500-52(P)

**Used Software (required licenses):**

Windows Server 2012 and 2012 R2 - 8 pcs

ST Infrastructure: Srv1, DC1, DC2, PRN, RRAS-Spb, SQL2012, BUILD, RRAS, HRV1/2/3, NAS

System Centre 2012 R2 - 1pc

SQL Server 2012 - 1 pc

MSDN Subscription – 1 pc

**Недостающее железо:**

RAM 8 Gb – 8 pcs

HDD

* 250Gb – 8 pcs
* 1Tb WD Raptor - 7pcs
* 3Tb WD Red – 5 pcs

Контроллер HDD на 8 портов – 2 pcs

**Желательно также:**

Корпуса стоечные/двойного назначения