Networking and Grid infrastructure in Azerbaijan

Parvin Aliyeva

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www.azgrid.org

First ATLAS-SouthCaucasus Software/Computing Workshop & Tutorial

- Azerbaijan National Grid site
- Services
- Grid infrastructure of AZ-01-IPANAS
- Site status
- Plans
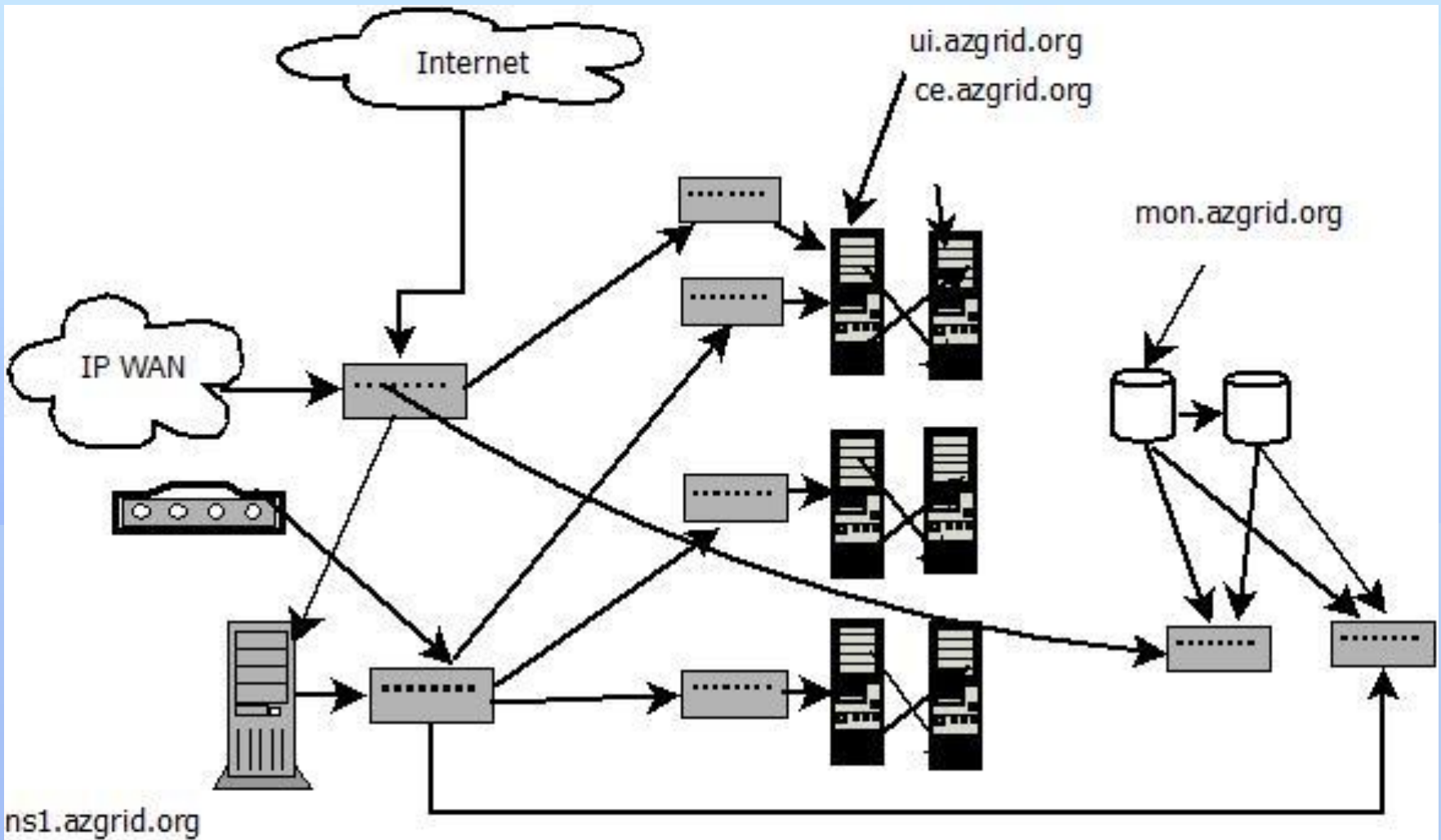
Azerbaijan National Grid site

- AZ-01-IPANAS is the first GRID site of Azerbaijan. In 2008, we started the creation of computing Grid–infrastructure in Azerbaijan and work on installing the necessary clusters and application programs on it. In the process of the project following results were accomplished:

- creation of the computing center in the Institute of Physics, which functions 24/7. The center includes 300 multiprocessing computers on the basis of processor Intel Xeon, data storage (of 50 TB) on the basis of client-server architecture, 4 UPS.

- setting of the high speed connection to the Internet by the means of optical fiber cables (with the speed of 25MB/s)

- installation of middleware, accomplishment of text trials, adjustment of an uninterrupted functioning of the Grid-segment.

- preparation of the necessary conditions for other scientific and educational centers of Azerbaijan in order to connect to the given Grid- segment

Services

- Internet connection

- Fiber-optic, LAN connection, Wireless connection

- E-mail, web-hosting, FTP

- Technical support

Grid infrastructure of AZ-01-IPANAS

What are we doing ?...

- Our Grid site status
- Network security
- Other institutions of ANAS
- Education for new users
- Our plans...

Thank you for attention…