



#### INDUSTRY

Tario Communications is one of the most influential IP telephony operators, as well as a developer and producer of cutting-edge telecommunications equipment across the Russian market. They are the largest carrier for VoIP in Russia with a customer base that has grown to over 300,000 since 1997. Tario offers various VoIP technology and services, beneficial for companies who have numerous long distance or international partners. Collaborating with partners like Intel, Telmos, and Cisco Systems, they have consistently expanded their network of influence and currently host over 60 million minutes of phone calls and messages a month. Tario remains the leader in the Russian VoIP industry by offering: low prices, contemporary service, and 24 hour user and technical support. The company is best known for the following projects: TARIO.net network and VoIP eXchange (A virtual platform where operators exchange traffic online).

#### **CommuniGate Pro at Tario (VoIP Trade Ltd.)— Offering a Solution that is Difficult to Beat**

#### CHALLENGE

As Tario expanded its influence over the VoIP sector, they wanted to update their technology to meet their growing needs. It was crucial for them to have a secure solution that would provide features such as: Web-mail, VoIP, IMAP, POP, and SIP, all of which needed to function at a large scale. They also needed a solution that had an excellent performance record, first-rate technical support, and that had room to grow and expand as their company did. They required a system that would provide near flawless uptime with minimal efforts needed for future upgrades. With their expansion plans, having a system in place to handle the complexity of their next generation VoIP network was essential. By changing out their own internal system to the CommuniGate Pro IP Communications Application Server, Tario can now concentrate on building value added new features and services for their customers such as Voice Conferencing and PBX.

**SOLUTION**

Working directly with the creators of CommuniGate Pro, Tario was able to find a solution that met their needs. Now, they use CommuniGate Pro for: web-mail services, IMAP for remote email retrieval, POP for local email retrieval, VoIP for telephone communications, and the power of presence via SIP. CommuniGate Pro worked so well for them that they were able to create a public IP project and compile over 300,000 users. German Myzovsky, the director of network development at Tario Communications stated, "CommuniGate Pro offers us the ability to create new generation services as well as support the growth we acquire."

**SYSTEM ARCHITECTURE**

The CommuniGate Pro Active Dynamic Cluster currently runs on Intel® Xeon® processor-based servers, at 3.0 Ghz with two gigabytes of RAM. The cluster utilizes data sharing with a storage array with Raid data integrity. Tario can expand the system with the "Just Add Nodes" feature, for no down time system expansion. The "Rolling Updates" feature allows upgrades to occur with no user downtime. Tario runs their version of CommuniGate Pro on FreeBSD v5.1 (a Unix-like free software operating system).

**BENEFITS**

As one of the largest providers of VoIP services in Eastern Europe, Tario needs a solution that not only focuses on email security and reliability, but provides outstanding IP Telephony capability as well. Tario takes advantage of the NAT traversal solution which allows them to establish, and solidify connections between hosts in private TCP/IP networks. They also use a PBX/IVR system of telephone communications, providing incoming callers with a well developed, interactive voice response system that connects to their PBX switchboard. This system allows them to have a fully functional automated phone system for their users, with little to no fuss or confusion, for a fraction of the price.

"The most important factors in our choice were highlighted in what CommuniGate Systems has to offer. Unique reliability, outstanding performance, the open standards, and finally the interconnectivity between different vendors for numerous operations makes the CommuniGate Pro Application Server difficult to beat" states German Myzovsky, director of network development.

