

CommuniGate Pro Dynamic Cluster

E-mail with 99.999% Uptime

Stalker Software's flagship product, CommuniGate Pro, has proven to be the most technically advanced Internet messaging server available. It earned its excellent reputation meeting the rigorous uptime, security and growth demands of Service Provider and Telco customers.

CommuniGate Pro Solution Overview

CommuniGate Pro supports messaging standards such as SMTP, POP, and IMAP while offering the functionality of shared folders, integrated Webmail, calendaring/scheduling (via Outlook, Web, iCal, vCal), LDAP Directory, personal Web pages, mailing lists, and spam/virus protection.

The CommuniGate Pro server runs on more than 30 OS/hardware combinations including UNIX, Linux, Windows, Mac OS X and AS/400, offering customers maximum flexibility for their back-end infrastructure, along with protection for hardware investments.

Dynamic Cluster Architecture

CommuniGate Pro is designed with the demands of dynamic, large-scale messaging systems in mind. Its unique Dynamic Clustering architecture sets it apart from other solutions by allowing organizations to provide fast, reliable messaging services with cost effective growth.

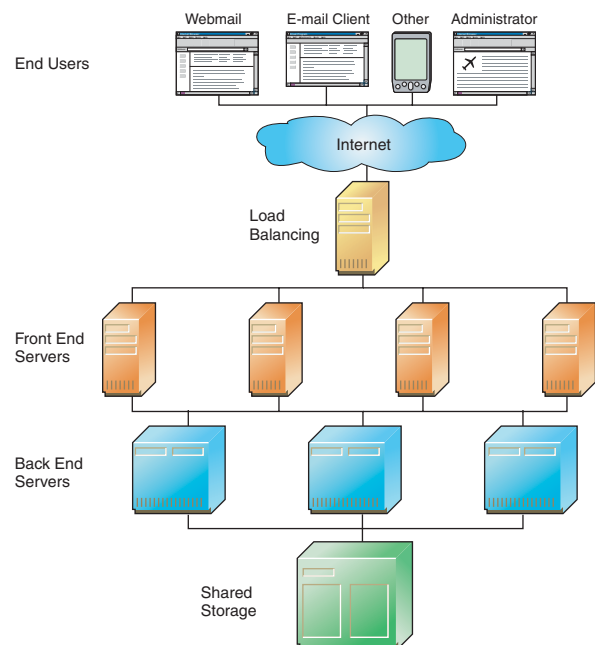
The Dynamic Cluster solution operates as a group of front-end and back-end servers, accessing domain and account data on a shared file system. The front-end servers perform mail relaying operations, SSL encryption/decryption, and protect the back-end servers from TCP/IP attacks (including DoS attacks). The back-end servers provide access to the domain and account data, which is stored on a shared file system; either NAS (Network Attached Storage), or CFS (Cluster File System).

Dynamic Cluster for Scalability

Virtually unlimited scalability comes from the unique CommuniGate Pro Dynamic Cluster. Customers easily increase capacity and services without interrupting end users. They simply add front and/or back-end servers to the cluster at any time, with no switch-off/recovery operations required.

Benefits of Dynamic Cluster

- Fast performance
- Support for millions of accounts with 99.999% uptime
- Scalable for growth with no disruption to existing service
- Carrier grade reliability
- Easy to Administer-Integrated Single System Image
- Reduced Mailbox corruption-no file locking to corrupt files
- Efficient use of disk-Flexible mailbox format reduces storage overhead



Dynamic Cluster Architecture

“CommuniGate Pro’s Dynamic Cluster enables our clients to increase uptime by eliminating single points of failure, and allows them to do rolling upgrades without shutting down the entire cluster. The operations team especially appreciates this capability.”

Mario Cole, director IP services,
Echo Broadband, Inc.

About Stalker Software

Stalker Software is the technology leader in messaging and collaboration solutions. We build the most reliable, scalable and cost-effective e-mail systems for telcos, enterprises, service providers and universities who rely on e-mail to keep their business running smoothly.

With proven technology, unmatched experience and successful worldwide implementations, we are committed to meeting our customers’ messaging needs.

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Dynamic Cluster for Uptime

With CommuniGate Pro Dynamic Cluster technology, even if multiple servers fail, all users can access their e-mail as long as one server is operational on the front and back ends. The architecture enables load balancing and server redundancy to provide fast performance and availability with no single point of failure.

Dynamic Cluster for Speed

The performance and reliability of a messaging system depend heavily on the storage solution, where account and mailbox data is kept. In systems like e-mail with high I/O demands, file access protocols (like NFS) sometimes cause instability and slow performance because of OS and file system-level locking.

Stalker Software has removed the inefficiencies associated with file access systems through its unique Account Level Synchronization protocol. Using this fast inter-server protocol, CommuniGate Pro controls multiple client access to any mailbox served by the cluster, without requiring file locks. Every mailbox can be opened with several IMAP, POP, and Webmail sessions simultaneously, via different users. This allows the cluster to support modern multi-session IMAP clients, and provides shared mailboxes for group collaboration.

Released from file-locking duties, the storage devices can now handle a much larger number of accounts, increasing stability and performance. Unlike unreliable file locks, Account Level Synchronization does not leave a trace in the file system, so no cleanup is needed if any server fails.

Try a fully functional, fully supported evaluation version of CommuniGate Pro. Simply download and install from <http://www.stalker.com/download/>.