GLOBANET BALANCE

Intelligent Load Balancing

Journaling in organizations, particularly large and enterprise organizations using Microsoft Exchange, suffer from two critical problems:

- Archiving performance and backlog

- Duplicate indexes, where a message hits multiple journal mailboxes

Organizations have to invest in significant journaling resources and infrastructure to keep on top of a continual stream of compliance messages, which is increasing day by day.

A typical organization's journaling infrastructure might look similar to this:

As illustrated above, a user sending a message from the U.K. to a German distribution list and a U.S. distribution list will end up with at least three to five copies of the email in different journal mailboxes, depending on how users are mapped to each journal mailbox or task. This immediately leads to index duplication. The organization now has five references to that email for ediscovery and compliance purposes, and the index is five times larger for that message.
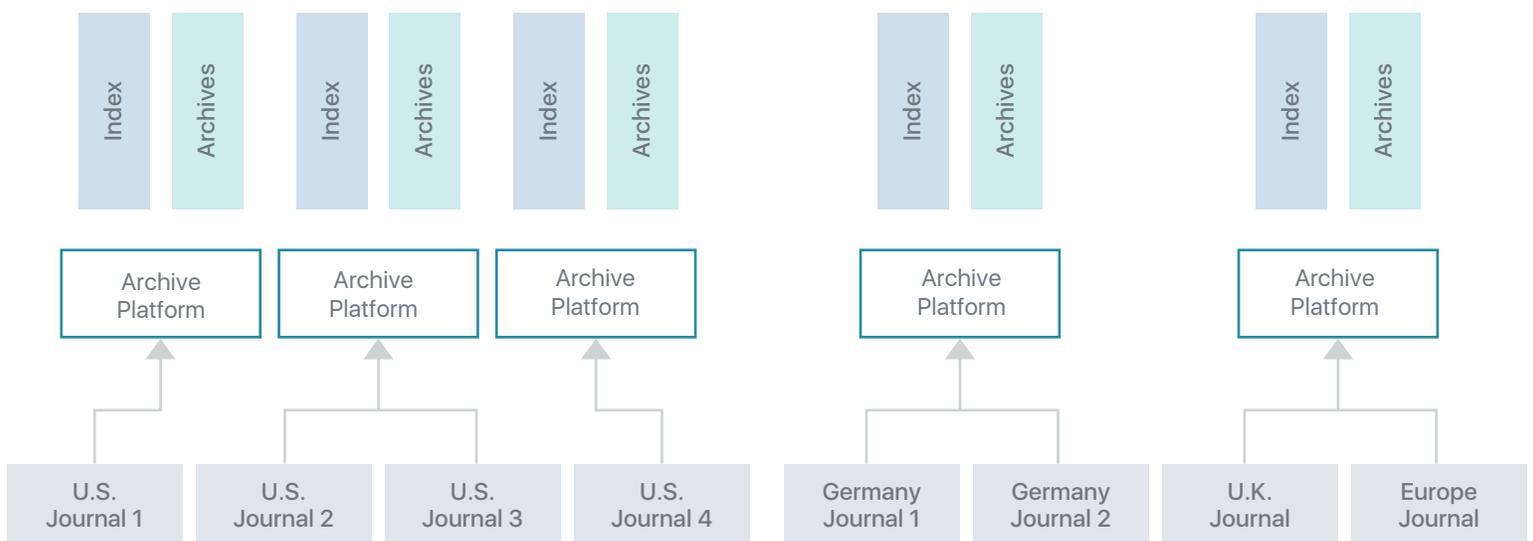

Figure 1: Typical Journal Infrastructure

One of the driving factors for multiple journal mailboxes is the sheer load placed on the archiving system while a journal task is running. Each storage service can only maintain a specific number of messages archived per hour. Once that threshold is reached, it is time to split to a new journal mailbox, which results in duplication and load increases.

Globanet Balance was designed to solve the two problems noted above with the following solutions:

- Load balancing between multiple centralized journal mailboxes, thereby reducing the number of journal mailboxes an organization needs

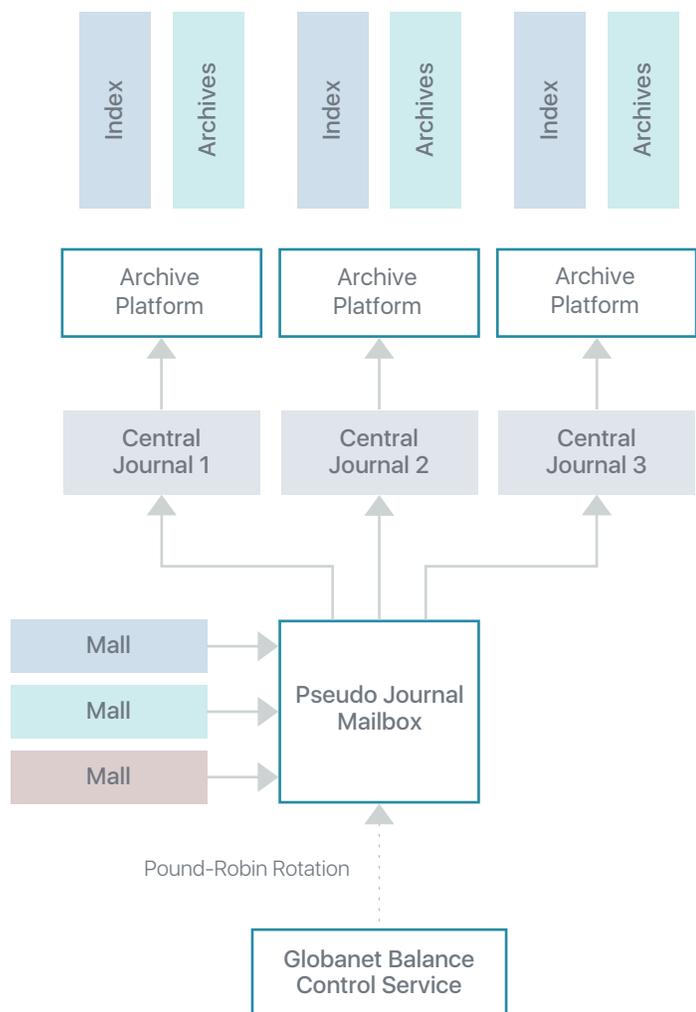- Eliminating index duplication, so messages do not end up in multiple journal mailboxes

Figure 2: Globanet Journal Infrastrucrure

HOW IT WORKS

Globanet Balance allows organizations to reduce their journaling to just a single set of centralized or regional journal mailboxes. The solution redistributes journal mail in a roundrobin fashion, allowing messages for all users to be evenly distributed into a centralized mailbox set, as shown below.

Globanet Balance is a simple Windows Service that offers extensive logging and reporting with a fast and easy installation. In **Figure 2**, a stream of mail is being sent to a single "pseudo journal mailbox" in the organization. This mailbox automatically forwards, to one of the designated centralized journal mailboxes that Globanet Balance rotates on a timed or loadbased schedule.

Since typically only one message sent to a wide range of recipients is now being journaled, the message ends up in just a single journal mailbox. This box is selected based on which round-robin mailbox was active at the time the message was sent.

As illustrated, only one Archive Platform server archives a copy of the message because only one copy of the message ended up in one of the load balancing targets. Rotation might typically happen every 15 minutes in order to allow each Archive server to substantially catch up on archiving to reduce the archiving and index load without a significant backlog. eDiscovery becomes simpler, too – now the organization needs fewer journal archives, not the much larger amount it had before.
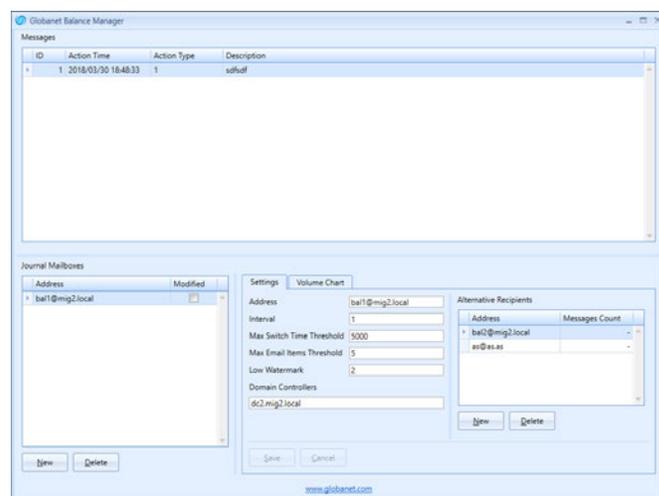
Figure 3: New User Interface allows Globanet Balance users to manage an entire journaling stream from a central interface, including tracking mailbox volumes and Balance events.

KEY FEATURES

Globanet Balance allows organizations to immediately:

- **Reduce the number** of duplicates across journal archives

- **Consolidate journal activity across multiple shared servers to fewer shared journals**, removing indexing and storage service archiving loads

- **Eliminate the processing of duplicate messages in journal archiving**, where one message is sent to multiple recipients and distributed across the journal infrastructure in a multi-instance fashion

- **Significantly reduce storage requirements in indexes and on SQL servers** by removing multiple references to the same message

- **Improve ediscovery and search performance**, smaller index means less time spent culling and searching

- **Significantly reduce infrastructure size**, meaning potentially less SQL databases, shorter backup windows, less data classification services (DCS) and less journal archiving tasks and servers

- **Manage multiple front end journal mailboxes** from the same Balance service

- **Real-time tracking of journal mail load**, including alerts for when journal mailbox volume limits are breached

PRICING & AVAILABILITY

Globanet Balance is available today. A trial version is available for organizations that want to evaluate the benefits of a significantly reduced journaling infrastructure. For more information or a product demonstration, contact us at 888.427.5505.

TECHNICAL REQUIREMENTS

Globanet Balance has a small set of requirements:

- A single processor 1.2Ghz or above (dual processor recommended); physical or virtual machine

- Windows 2008 Server x64 (including R2) and above

- Microsoft Exchange Server 2010 Management Console

- Windows PowerShell v2.0 (or above)

- Microsoft .NET Framework v4.0 (full profile)

- An admin account with suitable access to manipulate the properties of the target mailbox in Active Directory

ABOUT GLOBANET

Globanet is a leading provider of email archive migration, compliance and eDiscovery solutions. Founded in 1996, the company is a pioneer in email archive migration and intelligent information governance and has developed a portfolio of enterprise software products to help organizations manage data from creation to expiry. Globanet's proprietary solutions include Globanet Merge1, our message capture platform, Globanet Migrate for data migration and Globanet Classify for multi-tier data classification. Globanet provides a broad range of services including policy and solution design, installation, configuration, email archive migrations, custom add-ons and project-based eDiscovery consulting. Learn more at www.globanet.com.