



Product Overview

Archive2Anywhere™

Message Stub Management

From Archive360

Introduction to Stubs and Shortcuts

One of the many benefits that legacy archives provide is the ability to manage the size of users' Exchange email mailbox size. This is achieved through a process referred to as "stubbing" or "shortcutting". Email messages and/or attachments are automatically moved from the user's mailbox to the archive. The user sees a small piece of their email message, a "stub" or "shortcut", that points to the message in the archive. When the user clicks on the stub or shortcut, the message is retrieved from the archive and opened, as if it were a regular (not archived) email message.

With emails and their attachments making up the vast majority of data stored on the Exchange server, stubbing reduces the size of the email store which in turn produces a higher performance, more reliable email messaging system – all without end user compromises.

Over time this stubbing or shortcutting capability creates millions of pointers within Microsoft Exchange pointing at messages in the legacy archive. When it comes time to migrate your legacy archive, it is important to plan how you will manage the migration of your stubs or shortcuts. Failure to do so will result in "orphaned" message stubs or shortcuts, frustrated end-users and potential legal implications due to spoliation.

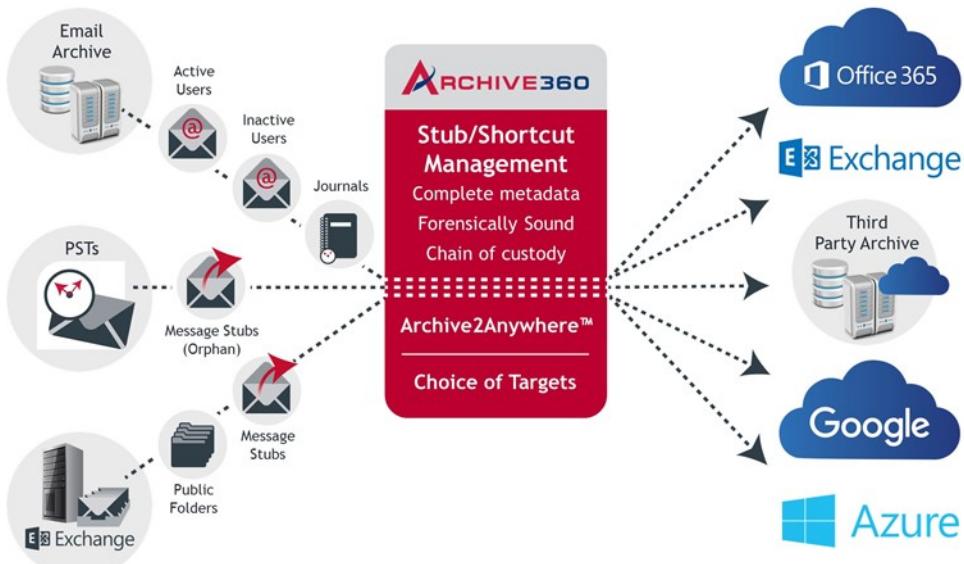
- If the archive is migrated to any place other than the Exchange server containing the message stubs/shortcuts, those millions of stubs/shortcuts will not work anymore and will end up generating error messages to the end-user – dramatically impacting end-user productivity, and creating a help desk nightmare.
- Microsoft Exchange does not have an easy way for Administrators to find and delete orphaned message stubs/shortcuts, so they may persist for long periods of time.
- Message stubs/shortcuts can include additional metadata generated from their movement from folder to folder within Exchange. This additional metadata could be relevant in the event of legal discovery. Deleting message stub/shortcut metadata arbitrarily deleted could trigger charges of spoliation.
- Systematically syncing individual message stubs/shortcuts with the archived messages in a forensically defensible process is extremely difficult and time consuming.

Archive2Anywhere™ Stub Management

Archive2Anywhere™ uses Archive360's proprietary Stub Management process. Unlike other solutions, this does not delete the stub/shortcut in Exchange and replace it with a "new message". Archive360's stub management process recombines the stub/shortcut with the body of the archived email and any attachments. Uniquely, the process is able to find and reconcile Exchange stubs/shortcuts with the original archived messages, and delete remaining stubs/shortcuts from the Exchange server in a forensically defensible process.

Feature Highlights

- Date-based Outlook message discovery, rehydration, deletion and redirection
- Low impact on the Exchange Server CPU
- Multiple threads allow unlimited mailboxes to be processed in parallel (Exchange Server and network performance need to be monitored)
- Zero end user impact. End-user Outlook clients can remain active while the rehydration process runs in real-time
- Outlook folder path is preserved in all cases
- Native Outlook search functionality is restored in real-time
- Powerful Reporting and Auditing



Key Features

Archive2Anywhere performs a proprietary Stub Management process that involves four sub-processes:

1. Stub Finder
2. Stub Rehydration
3. Stub Redirection
4. Stub Deletion

1. Stub Finder™

Stub Finder™ queries the Exchange servers to discover all original messages and preserves the important Creation Date Time as well as all custom MAPI properties and other message changes (i.e. categorization) that occurred after stubbing or shortcuttering.

- The legacy archive message custom MAPI properties are preserved to adhere to strict legal compliance
- Any orphaned stubs or shortcuts are accurately identified at the stub /shortcut message level via a legally defensible audit report

2. Stub Rehydration™

Unlike other solutions, the **Stub Rehydration** process does not simply delete the stub in Exchange and replace it with a “new message”. It actually recombines the stub with the body and any attachments of the archived email.

Stub Rehydration combines two related processes to systematically perform in-place restoration (or rehydrating) of the Exchange message stub/shortcut with the actual “complete” archived message:

- I. The first process matches up each message stub/shortcut (pointer) in Exchange with the original archived message in the legacy archive.
- II. The second process performs the in-place restoration (or rehydrating) of the Exchange message stub/shortcut with the actual “complete” archived message, producing forensically complete messages and original folder paths.

This process achieves the following:

- Original Exchange message ID is preserved:
 - No duplicate messages are created on mobile devices such as Blackberry or Apple iPhone
 - End users will not receive old Calendar and Task reminders
 - No re-synching or re-indexing is required, saving time and money and potential issues for Legal Discovery tools
- All original message dates are preserved (Creation Date Time is preserved)
- All custom MAPI properties and other message changes (i.e. categorization) that occurred after stubbing/shortcuttering are preserved
- Any orphaned stubs or shortcuts are accurately identified at the stub /shortcut message level via a legally defensible audit report

3. Stub Redirection™

Stub Redirection™ combines two related processes to systematically extract original messages from the legacy archive and migrate them to your choice of destinations. Once the process is complete and validated, the original stub/shortcut can be deleted using the Archive2Anywhere **Stub Delete** function.

- I. The first process matches up each message stub/shortcut (pointer) in Outlook with the original archived message in the legacy archive.
- II. The second process includes the extraction of the original message from the legacy archive and migration to:
 - PST file
 - Exchange On-premise Personal Archive
 - Office 365 Personal Archive
 - Gmail/Google Vault

During the process, **Stub Redirection** does not alter the existing Outlook message stub/shortcut and the existing Outlook folder path is restored. All original message dates are preserved, Received/Sent date (and orphaned stubs are tagged and documented in a legally defensible audit report at the stub message level.

4. Stub Delete™

Stub Delete™ allows an administrator to delete stubs based on date ranges within selected User mail-boxes.

About Archive360

Archive360 is the leader in email archive migration software, successfully migrating more than 10 petabytes of data for more than 500 organizations worldwide since 2012. Archive2Anywhere™, the company's flagship product, is the only solution in the market purpose-built to deliver consistently fast, predictable migration rates, with verifiable data fidelity and defensible chain of custody reporting. A global organization, Archive360 delivers its solutions through a network of specialist partners.