

# IMAP OBJECTID+

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# What's New in OBJECTID+

OBJECTID+ obsoletes RFC 8474 and introduces a **compound response format** that bundles identifiers into key-value pairs, replacing the individual response codes used in the original OBJECTID extension.

## RFC 8474

Separate `MAILBOXID`, `EMAILID`, `THREADID` attributes returned individually in `FETCH`, `STATUS`, and response codes

## OBJECTID+

Single `OBJECTID (key val ...)` compound: all identifiers optional, unsupported ones simply omitted

**New additions:** `ACCOUNTID` for account-level context · `OBJECTID` response code on `RENAME` · ID-based mailbox selection on `SELECT` / `EXAMINE`

Empty compound `OBJECTID ()` is valid: the server supports the extension but has no identifiers to return.

# Activation Model

OBJECTID+ uses **implicit activation**: no mandatory `ENABLE` required. The extension is activated the first time the client uses any OBJECTID+ feature:

Trigger	Example
<code>ENABLE OBJECTID+</code>	<code>C: a1 ENABLE OBJECTID+</code>
OBJECTID param on SELECT/EXAMINE	<code>C: a2 SELECT "inbox" (OBJECTID)</code>
OBJECTID STATUS attribute	<code>C: a3 STATUS "inbox" (OBJECTID)</code>
OBJECTID FETCH data item	<code>C: a4 FETCH 1:* (OBJECTID)</code>

When activated by any mechanism other than `ENABLE`, the server sends an untagged `ENABLED` response before any affected response:

```
S: * ENABLED OBJECTID+
```

Once activated, **activation persists** for the entire IMAP session and cannot be reversed.

# SELECT / EXAMINE with OBJECTID

The `OBJECTID` parameter on SELECT and EXAMINE has two forms.

**Activation only:** requests compound OBJECTID in place of MAILBOXID:

```
C: 27 SELECT "foo" (OBJECTID)
S: * ENABLED OBJECTID+
...
S: * OK [OBJECTID (MAILBOXID F2212ea87-6097-4256-9d51-71338625
      ACCOUNTID u1a48e8e3)] Ok
S: 27 OK [READ-WRITE] Completed
```

**ID-based selection:** locates the mailbox by identifiers, falls back to name:

```
C: 28 SELECT "foo" (OBJECTID (MAILBOXID F2212ea87-6097-4256-9d51-71338625
      ACCOUNTID u1a48e8e3))
S: * OK [OBJECTID (MAILBOXID F2212ea87-6097-4256-9d51-71338625
      ACCOUNTID u1a48e8e3)] Ok
S: 28 OK [READ-WRITE] Completed
```

## CREATE with OBJECTID

When OBJECTID+ has been activated, **CREATE** returns a compound **OBJECTID** response code instead of **MAILBOXID**:

```
C: 3 CREATE foo
S: 3 OK [OBJECTID (MAILBOXID F2212ea87-6097-4256-9d51-71338625
      ACCOUNTID u1a48e8e3)] Completed

C: 5 CREATE shared/team
S: 5 OK [OBJECTID (MAILBOXID F8839dca12-3ef8-4a72-b63d-54f9e8a1
      ACCOUNTID u2b59f9f4)] Completed
```

The **ACCOUNTID** differs for shared mailboxes belonging to other accounts.

# RENAME with OBJECTID

OBJECTID+ adds a **RENAME** response code, returning the identifiers of the renamed mailbox.

**Same-account rename:** identifiers preserved:

```
C: 8 RENAME foo renamed
S: 8 OK [OBJECTID (MAILBOXID F2212ea87-6097-4256-9d51-71338625
      ACCOUNTID u1a48e8e3)] Completed
```

**Cross-account rename:** new identifiers may be issued:

```
C: 13 RENAME bar "Other Users.shared.bar"
S: 13 OK [OBJECTID (MAILBOXID Fa77c2e19-84d3-4b0f-9e12-67df5c8a
      ACCOUNTID u2b59f9f4)] Completed
```

# STATUS with OBJECTID

The **OBJECTID** STATUS attribute requests the compound OBJECTID for a mailbox.:

```
C: 6 STATUS foo (OBJECTID)
S: * ENABLED OBJECTID+
S: * STATUS foo (OBJECTID (MAILBOXID F2212ea87-6097-4256-9d51-71338625
      ACCOUNTID u1a48e8e3))
S: 6 OK Completed
```

Example with **LIST-STATUS** :

```
C: 11 LIST "" "*" RETURN (STATUS (OBJECTID))
S: * ENABLED OBJECTID+
S: * LIST (\HasNoChildren) "." INBOX
S: * STATUS INBOX (OBJECTID (MAILBOXID Ff8e3ead4-9389-4aff-adb1-d8d89efd8cbf
      ACCOUNTID u1a48e8e3))
S: * LIST (\HasNoChildren) "." "Other Users.other.sub.folder"
S: * STATUS "Other Users.other.sub.folder" (OBJECTID (
      MAILBOXID F8839dca12-3ef8-4a72-b63d-54f9e8a1
      ACCOUNTID u2b59f9f4))
S: 11 OK Completed
```

# FETCH with OBJECTID

The `OBJECTID` FETCH data item returns `EMAILID` and `THREADID` in compound form. Requesting it **activates** `OBJECTID+`. `ACCOUNTID` is omitted since the account context is established by `SELECT/EXAMINE`.

```
C: 30 FETCH 1:* (OBJECTID)
S: * ENABLED OBJECTID+
S: * 1 FETCH (OBJECTID (EMAILID M6d99ac3275bb4e THREADID T64b478a75b7ea9))
S: * 2 FETCH (OBJECTID (EMAILID M5fdc09b49ea703 THREADID T11863d02dd95b5))
S: 30 OK Completed
```

When the server does not support `THREADID`, it is simply omitted:

```
S: * 1 FETCH (OBJECTID (EMAILID M00000001))
```

When no message identifiers are supported:

```
S: * 1 FETCH (OBJECTID ())
```

## SEARCH by EMAILID / THREADID

OBJECTID+ defines `EMAILID` and `THREADID` filters for the SEARCH command:

```
C: 27 SEARCH EMAILID M6d99ac3275bb4e
S: * SEARCH 1
S: 27 OK Completed (1 msgs in 0.000 secs)

C: 28 SEARCH THREADID T64b478a75b7ea9
S: * SEARCH 1 2
S: 28 OK Completed (2 msgs in 0.000 secs)
```

When using MULTISEARCH (RFC 7377), clients SHOULD only search across mailboxes that share the same `ACCOUNTID`: object identifiers are unique within the scope of a single account.

# Questions?

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