Attachments & Drive Shares

Attachments

Attachment upload and download via `/mail/v4/attachments`.

Upload

```
attachment, err := c.UploadAttachment(ctx, addrKR, proton.CreateAttachmentReq{
    MessageID:  "message-id",
    Filename:   "document.pdf",
    MIMEType:   "application/pdf",
    Disposition: proton.AttachmentDisposition,
    Body:       fileBytes,
})
```

Upload is **encrypted with the address keyring** and **signed (detached)** before upload. The server stores the encrypted `KeyPacket`, `DataPacket`, and `Signature` separately.

Download

```
// Download as bytes
data, err := c.GetAttachment(ctx, attachmentID)

// Stream into io.ReaderFrom
err := c.GetAttachmentInto(ctx, attachmentID, reader)
```

Key Types

Type	Description

`Attachment`	ID, name, size, MIME type, disposition (inline/attachment), headers, key packets, signature
`CreateAttachmentReq`	MessageID, filename, MIME type, disposition, content ID, body bytes
`Disposition`	InlineDisposition, AttachmentDisposition

Drive Shares

Proton Drive share management via `/drive/shares`.

Operations

```
// List shares
shares, err := c.ListShares(ctx, all)

// Get a single share with full key material
share, err := c.GetShare(ctx, shareID)
```

Key Derivation

Shares use a two-step PGP decryption + passphrase unlock process:

```
// Decrypt passphrase with address keyring, verify signature, unlock share key
keyRing, err := share.GetKeyRing(addrKR)
// Returns *crypto.KeyRing for Drive access
```

Key Types

Type	Description
`ShareMetadata`	ShareID, linkID, volumeID, type, state, creation/modify times, creator email
`Share`	Extends metadata with addressID, addressKeyID, encrypted key, passphrase, passphrase signature

Type	Description
`ShareType`	Main (1), Standard (2), Device (3)
`ShareState`	Active (1), Deleted (2)

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