Contacts

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CRUD operations for contacts and contact emails via `/contacts/v4`.

Operations

Get Contacts

```
// Single contact by ID
contact, err := c.GetContact(ctx, contactID)

// Count contacts
count, err := c.CountContacts(ctx)

// Paginated listing
contacts, err := c.GetContacts(ctx, page, pageSize)

// Auto-paginating - get all
allContacts, err := c.GetAllContacts(ctx)

// Auto-paginating with custom page size
allContacts, err := c.GetAllContactsPaged(ctx, pageSize)
```

Search by Email

```
// Count matches
count, err := c.CountContactEmails(ctx, "user@example.com")
```

```
// Paginated search
emails, err := c.GetContactEmails(ctx, "user@example.com", page, pageSize)

// Get all matching
allEmails, err := c.GetAllContactEmails(ctx, "user@example.com")
```

Create / Update / Delete

```
// Bulk create with overwrite and label options
results, err := c.CreateContacts(ctx, proton.CreateContactsReq{
    Contacts: []proton.Contact{
        {
            Cards: []proton.ContactCard{...},
            Email: "user@example.com",
        },
    },
})

// Update a contact
updated, err := c.UpdateContact(ctx, contactID, proton.UpdateContactReq{
    Cards: []proton.ContactCard{...},
})

// Bulk delete
err := c.DeleteContacts(ctx, proton.DeleteContactsReq{
    IDs: []string{id1, id2},
})
```

Per-Contact Encryption Preferences

Contact settings are stored as VCard-embedded X-PM-* fields:

```
// Get encryption settings for a contact
settings := contact.GetSettings()
```

```
// Returns: MIME type, PGP scheme (inline/MIME), sign/encrypt flags, PGP keys

// Set encryption settings
contact.SetSettings(proton.ContactSettings{
    MIMEType:       "text/plain",
    Scheme:         proton.PGPMIMEScheme,
    Sign:           true,
    Encrypt:        true,
    EncryptUntrusted: true,
    PGPKeys:        []proton.PGPKey{...},
})
```

Key Types

Type	Description
`Contact`	Composite of ContactMetadata and ContactCards
`ContactMetadata`	ID, name, UID, size, timestamps, emails, labels
`ContactCards`	VCard data for the contact
`ContactEmail`	Email entry with ID, name, email string, type tags, contactID, labels
`ContactSettings`	Per-contact encryption preferences (MIME type, scheme, sign/encrypt flags, PGP keys)
`RecipientType`	Internal vs external recipient classification

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