Status

● Scope: Particular example use case for SML
  ○ Illustrating an “email-specific” use case

● Updates since IETF 118
  ○ Some minor fixes
  ○ Added related use cases and implementation guidance section
  ○ First Open Source implementation released 🎉 (Roundcube Webmail):
    https://github.com/audriga/roundcube-structured-vacation-notice/
Vacation notices

● “I am out of office from 2024-03-18 till 2024-03-21 and won’t reply to email during that time.”
  ○ Autoresponder function supported by many email systems
  ○ Mostly used in business
  ○ Not really standardized (RFC5230 - Sieve vacation notice)

● Typical data included (in plain text)
  ○ Period of absence
  ○ If email is forwarded to someone else
  ○ Replacement persons to contact (“For matters of project X, please check with Mary”)
  ○ …?

● → Needs manual processing by the recipient
Structured vacation notices

● Allow absentees to include a machine-readable version of their vacation notice
  ○ Can be widely automated (Period of absence is already structured on absentee side)
  ○ Bonus: machine-readable version may even be attached to regular outgoing emails (even before actual leave)

● MUA of communication partner can make sense of vacation notice
  ○ Special highlighting
  ○ Quick action (“Compose forward message to Mary”)
  ○ Temporary storage to assist user (E.g. “warning on compose”)

JSON-LD/Schema.org proposal

```json
{
    "@context": "https://schema.org",
    "@type": "OutOfOffice",
    "start": "2023-08-15",
    "end": "2023-08-22",
    "isForwarded": false,
    "replacement": [
        {
            "@type": "OutOfOfficeReplacement",
            "name": "John Doe",
            "topic": "Project A",
            "email": "john@doe.com",
            "phone": "+1234567890"
        },
        {
            "@type": "OutOfOfficeReplacement",
            "name": "Jane Doe",
            "topic": "Project B",
            "email": "jane@doe.com",
            "phone": "+9876543210"
        }
    ],
    "note": "Some text"
}
```
vCard extended properties (for internal storage)

X-OOF-UPDATED:2023-10-01
X-OOF-START:2023-10-01
X-OOF-END:2023-11-01
X-OOF-IS-FORWARDED:false
X-OOF-REPLACEMENT:Jane Doe,Marketing,jane.doe@corp.com,+1234567
X-OOF-REPLACEMENT:John Doe,Development,john.doe@corp.com,+1234-99
X-OOF-NOTE:I am out of office please reach my replacement instead
### Implementation: Absentee-side

#### Reply message

- **Subject**: Currently OOF

#### HTML

```
Hello,
I am not in office this week.

Best,
Janet
```

#### Body

- **Start time**: 2024-02-14 18:00
- **End time**: 2024-03-27 22:00
- **Status**: On

#### Advanced settings

- Include Structured Data in Vacation Notice: Off
- Include Structured Data in Outgoing Email: Off
- Number of Days Prior To Vacation to Include Structured Data in Outgoing Email: 6 days

### Filter name

- **Out of office**

### Filter enabled

- Off

### Scope

- matching all of the following rules

#### Rules

- Current date → date (ISO8601) → value is greater than 2024-02-1
- Current date → date (ISO8601) → value is less than 2024-03-2

#### Actions

- **Reply with message**: 

```html
<!DOCTYPE html>
<html>
<head>
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8">
</head>
<body>
  <!-- Message body (vacation reason): Content-Transfer-Encoding: Base64

  "Hello, I\n  I am not in office this week!\n
  Best,
  Janet"
</body>
</html>
```
Implementation: Communication partner-side

- CP = person who wants to reach the absentee (=receiver of OOF message)

Follow-up Meeting

From Lukas on 2024-02-02 01:56

The user is out-of-office from till mails will not be forwarded. During absence, contact John Doe regarding Topic under john@doe.com.

Hello, Fergus,

Thank you for reaching out to us about our service.
I’d be glad to schedule a meeting with you at your convenience to provide more in-depth information about the data-analytics-software and how it can work specifically for your business.

Does 25.03.2024 work for you?
If not, you can always schedule a meeting with us through this link https://calendly.com/data.

We look forward to meeting you soon!

Thanks in advance,

Lukas Marsh
Related use cases

● Change of address (c.f. RFC 3834)
  ○ Address changed or became obsolete

● Noreply (?)

● Update of contact data (Signature)

● Allow to include optional additional structured data
  ○ E.g., “I am at IETF” → allow adding IETF event as structured data
Implementation guidance

● Sending
  ○ Leave optional to the user
  ○ Provide alternative representation

● Processing
  ○ Ignore past time ranges
  ○ Prefer latest time range (need to track source date)
  ○ Strip when forwarding (esp. In preemptive case)
Next steps

● Adopt in WG?

● Contain vCard storage?
  ○ “Second level” interoperability

● Further feedback / input / co-authors?