

mail headers



context

dit document beschrijft de info die je in mail headers kunt vinden

mail header

1. trace van volledig pad dan een email heeft gevolgd: (mailserver) verzender, (mailserver) ontvanger, authenticatie, ...
2. vaak gebruikt om SPAM score van een mail na te kijken
3. evengoed: kan je nakijken hoe je eigen [mailserver](#) erin voorkomt.
4. lees mail headers van onder naar boven
5. afhankelijk van de mail/web client die je gebruikt, vind je ergens wel de optie: View headers om de headers na te kijken.

interessante velden

- Return-Path: mailadres waarnaar een bounced mail moet verstuurd worden
- Message-Id: unieke id van het bericht.
- Original-From: oorspronkelijke verzender van de mail
- Received: from: mailserver die bericht afleverde (bij mailserver van bestemming)
- veldjes met een **X** zijn onderweg toegevoegd door 1 van de servers waarlangs de mail passerde:

```
X-Google-Smtp-Source:  
ACHHUZ5x2LfnBwYPmuhrb6F+A+b1DCq2nFgRx//79HrUL+xpQf+jsHaF5N9QVTzklvBjEN5  
6mhc2Jg==  
X-Received: by 2002:a17:906:3446:b0:97e:aace:b6bc with SMTP id  
d6-20020a170906344600b0097eaaceb6bcmr278108ejb.53.1688068701564;  
Thu, 29 Jun 2023 12:58:21 -0700 (PDT)  
From: itopvolging@gmail.com  
X-Google-Original-From: legoland@checkmk.legoland.net
```

voorbeeld

Mail (Message-Id: <1688068701.030393.1851316.nullmailer@boerke>) wordt verstuurd:

- From: itopvolging@gmail.com
- Op: Date: Thu, 29 Jun 2023 21:58:21 +0200
- Subject: Check_MK: ad2/Log Directory Service WARN → OK
- To: koen.veys@protonmail.com
- X-Google-Original-From: legoland@checkmk.legoland.net
- Received: from boerke ([212.233.44.200]) by smtp.gmail.com with ESMTPSA id

zie ook: [nullmailer](#)

```
Return-Path: <itopvolging@gmail.com>
X-Original-To: koen.veys@protonmail.com
Delivered-To: koen.veys@protonmail.com
Authentication-Results: mailin036.protonmail.ch; dkim=pass (Good 2048
    bit rsa-sha256 signature) header.d=gmail.com header.a=rsa-sha256
Authentication-Results: mailin036.protonmail.ch; dmarc=pass (p=none
    dis=none)
    header.from=gmail.com
Authentication-Results: mailin036.protonmail.ch; spf=pass
smtp.mailfrom=gmail.com
Authentication-Results: mailin036.protonmail.ch; arc=none smtp.remote-
ip=209.85.218.45
Authentication-Results: mailin036.protonmail.ch; dkim=pass (2048-bit key)
    header.d=gmail.com header.i=@gmail.com header.b="mg0cfMdt"
Received: from mail-ej1-f45.google.com (mail-ej1-f45.google.com
[209.85.218.45]) (using
    TLSv1.3 with cipher TLS_AES_256_GCM_SHA384 (256/256 bits)
    key-exchange X25519 server-signature RSA-PSS (4096 bits) server-digest
    SHA256) (No
    client certificate requested) by mailin036.protonmail.ch (Postfix) with
    ESMTPS id
    4QsTld6XBjz9vNQQ for <koen.veys@protonmail.com>; Thu, 29 Jun 2023 19:58:21
    +0000 (UTC)
Received: by mail-ej1-f45.google.com with SMTP id
a640c23a62f3a-9928abc11deso131055466b.1
    for <koen.veys@protonmail.com>; Thu, 29 Jun 2023 12:58:21 -0700
    (PDT)
Received: from boerke ([212.233.44.200])
    by smtp.gmail.com with ESMTPSA id
    e21-20020a170906c01500b009929ab17bdfsm1651346ejz.168.2023.06.29.12.58.21
    for <koen.veys@protonmail.com>
    (version=TLS1_3 cipher=TLS_AES_256_GCM_SHA384 bits=256/256);
    Thu, 29 Jun 2023 12:58:21 -0700 (PDT)
Received: (nullmailer pid 1851317 invoked by uid 998); Thu, 29 Jun 2023
19:58:21 -0000
Dkim-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
    d=gmail.com; s=20221208; t=1688068701; x=1690660701;
    h=message-id:auto-submitted:to:subject:date:mime-
version:from:from:to
    :cc:subject:date:message-id:reply-to;
    bh=qz2jbbvic5wIxBpncxxLYYmifhInZtVHWHEyEw5DHqj8=;
    b=mg0cfMdt sjNBEGhu4WlUE/i8V7SrDmCuUyJmj2r2p55CXNl3tgq9lfsE/iu7o0Xwj0
```

RMp/Bv0f3YjBc1H9tIl52ci6uowVqdrCzF4ZfdF2ZKJQCnTMth/Yjz5PiQIBRzhtEeyE
S96NiAjNDge42/ieA80P9shzahYZBj5M7YbEJSzBKgRtwedB9PcBycx1eX2p1805kd0j
TXz7I6EWzt3TwKTjBjMUw2Lx+3cP2Ahr0s5HWc3r7HoH3ZFKooKulmjCSMNTrlm+cSso
dItel0Ydpyl5GxTljdxjfsZ144QJQsyKFI6XcJMSUYkGKPbaja0QCMvbxGyzQ/8sf0T
gL+Q==
X-Google-Dkim-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;
d=1e100.net; s=20221208; t=1688068701; x=1690660701;
h=message-id:auto-submitted:to:subject:date:mime-version:from
:x-gm-message-state:from:to:cc:subject:date:message-id:reply-to;
bh=qz2jbvic5wIxBpncxxLYYmifhInZtVHWHEyEw5DHqj8=;
b=Fx668h7Urpfh6N62yEY018UGFryOGXQlhPgKtxukLsLm8/SBxuLD+NcQVKNVV00Nsh
AnvBshKodJkboPI7rn2xyFfyif8WvPAK6L/hoHW1x1WGy0LPZADVXIU5ksULZr5lg0AH
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JB2w==
X-Gm-Message-State: ABy/qLaseItqDTQsSRMS0PSg2n0/j2y+nwHIhsoPS4aY7KcMbDvzAXk0
rU6FvzVHnhGUv4I9mptk/DLanMn5wys=
X-Google-Smtp-Source:
ACHHUZ5x2LfnBwYPmuhrb6F+A+b1DCq2nFgRx//79HrUL+xpQf+jsHaF5N9QVTzklvBjEN56mhc2
Jg==
X-Received: by 2002:a17:906:3446:b0:97e:aace:b6bc with SMTP id
d6-20020a170906344600b0097eaaceb6bcmr278108ejb.53.1688068701564;
Thu, 29 Jun 2023 12:58:21 -0700 (PDT)
From: itopvolging@gmail.com
X-Google-Original-From: legoland@checkmk.legoland.net
Content-Type: text/html
Mime-Version: 1.0
Date: Thu, 29 Jun 2023 21:58:21 +0200
Subject: Check_MK: ad2/Log Directory Service WARN -> OK
To: koen.veys@protonmail.com
Auto-Submitted: auto-generated
X-Auto-Response-Suppress: DR,RN,NRN,00F,AutoReply
Message-Id: <1688068701.030393.1851316.nullmailer@boerke>
X-Rspamd-Server: cp5-mailin-036.plabs.ch
X-Spamd-Result: default: False [-2.40 / 25.00]; BAYES_HAM(-3.00)[99.99%];
MIME_BASE64_TEXT_BOGUS(1.00)[]; MID_RHS_NOT_FQDN(0.50)[];
DMARC_POLICY_ALLOW(-0.50)[gmail.com,none];
R_SPF_ALLOW(-0.20)[+ip4:209.85.128.0/17:c];
R_DKIM_ALLOW(-0.20)[gmail.com:s=20221208]; MIME_BASE64_TEXT(0.10)[];
MIME_GOOD(-0.10)[multipart/related,multipart/alternative,text/plain];
FROM_EQ_ENVFROM(0.00)[]; NEURAL_HAM(-0.00)[-0.991]; ASN(0.00)[asn:15169,
ipnet:209.85.128.0/17, country:US]; FROM_NO_DN(0.00)[];
RCVD_TLS_LAST(0.00)[];
RCVD_COUNT_THREE(0.00)[3]; MIME_TRACE(0.00)[0:+,1:+,2:+,3:~];
TO_MATCH_ENVRCPT_ALL(0.00)[]; RCVD_VIA_SMTP_AUTH(0.00)[];
DKIM_TRACE(0.00)[gmail.com:];
PREVIOUSLY_DELIVERED(0.00)[koen.veys@protonmail.com];
RCPT_COUNT_ONE(0.00)[1];
TO_DN_NONE(0.00)[]; ARC_NA(0.00)[
X-Rspamd-Queue-Id: 4QsTld6XBjz9vNQQ

X-Pm-Spam: 0yezJI6cihyJeYR3pi42bi0pJJvbmsCIeIImSJN3X3blJp7IjBlNIIOjwsQjLLITJ
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X-Pm-Origin: external
X-Pm-Transfer-Encoding: TLSv1.3 with cipher TLS_AES_256_GCM_SHA384
(256/256 bits)
X-Pm-Content-Encoding: on-delivery
X-Pm-Spamscore: 0
X-Pm-Spam-Action: inbox

-----BEGIN PGP MESSAGE-----
Version: ProtonMail

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9l5QwrNMgek74KFEWFGuP5FYNENgX4g6BW+C5+8owSFeYKEk/DuIFNAfBCI3
xZIfSLtvuIhB3p3sZ63z/aDKqoe6avQIVVQ6inQdIAHat7ZNqWztjPyxIC7g

DBvbzrxAMFmbCz01vmXCXfDSvEN/H0CuUH1Eue2h+p0QAFfE5sUrbyRlLtby
N/0gCepJuVV8nwSFcxpKC4IQJgJhKG8F/D3/4emrlGRz3a/TQ8sG5ik4EEit
R0v9URvWredA5tSsd+PTlQ8wcD+PVH0Xq5oYEcBIFetp2qJcj+ipl/FW9ZAc
KYLlRXP7lsG63FYGaBL4WAHuh0b/P2FRetZmrUYqyb90pMHGFyRGV0jmbR6k
qp11Ryx+PWF/B4Iplunk/mNe10i2rFFTMge59p5ulk162ZyH+oKiS7duh1e
DM7dKNd/xv0XgKpVyV0uxKqw0rpYEJ5v3el9XfAWbbIHL8rLQiWqlLnaZY6F
N/6HoHshUT5A+/eASKJ50M2zcZnUaDNXp6T6RwkRSWqGy5WPCwIUwZIip1I+
x5zkAF2ZCqzDf1MyWp3hDNAU9hsA2vGNLlGEQZn0edAusTf6d65xcG9dAMFd
h2zp3Ll+emQ5kX0ntW4lW03TPH7KMoCYjX34uXtEP+6vEguuIEtmqZC4rffX
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f/ctVXYkXk0=
=eaAe
-----END PGP MESSAGE-----

meer info

voeg hier linken toe naar verdere uitleg

[apps](#)

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<https://www.louslab.be/> - **Lou's lab**

Permanent link:

<https://www.louslab.be/doku.php?id=apps:headers>

Last update: **2024/11/16 18:14**

