RAPPORTO ACQUISIZIONE FORENSE EMAIL

Codice: 187873f0-5f95-4ec7-9489-cec8a99a701a

Informazioni Generali

Account email	email@acquisizioniforensi.it
Server	imap.hostinger.com:993
Protocollo	IMAP (SSL/TLS)
Data inizio	2026-03-19T15:39:33.429Z
Data fine	2026-03-19T15:39:36.035Z

SINCRONIZZAZIONE TEMPORALE

```
Server NTP:             time.google.com
Ora UTC:                2026-03-19T15:39:33.476Z
Ora locale (Europe/Rome): 19/03/2026, 16:39:33
NTP Sincronizzato:      Sì
Offset sistema:         23ms
Round-trip NTP:         45ms
Valutazione:            Orologio di sistema sincronizzato (offset: 23ms)
```

RIEPILOGO ACQUISIZIONE

```
Cartelle acquisite:  1
Messaggi totali:     1
Messaggi acquisiti:  1
Errori:              0
```

DETTAGLIO CARTELLE

```
INBOX: 1 messaggi
```

CERTIFICATI SSL SERVER EMAIL

```
   Protocollo TLS:   TLSv1.3
   Cipher Suite:     TLS_AES_256_GCM_SHA384

   Catena certificati (4):

   [1] Server
       Soggetto:       hostinger.com
       Organizzazione: N/A
       Emittente:      Sectigo Public Server Authentication CA DV R36
       Valido dal:     Jun  9 00:00:00 2025 GMT
       Valido fino:    Jul  9 23:59:59 2026 GMT
       Fingerprint:    CD:A9:07:81:85:15:AF:7C:77:B4:7A:8B:63:29:CE:06:65:6D:C3:91:3F:82:B7:A4:78:C
E:3D:9C:6E:BA:31:46
       Seriale:        6ca2155fb008e96aad6c27e5b1f27bc7
       SAN:            DNS:hostinger.com, DNS:*.hosting24.com, DNS:*.hostinger.ae, DNS:*.hostinger.c
o, DNS:*.hostinger.co.id, DNS:*.hostinger.co.il, DNS:*.hostinger.co.uk, D...

   [2] Intermediate CA 1
       Soggetto:       Sectigo Public Server Authentication CA DV R36
       Organizzazione: Sectigo Limited
       Emittente:      Sectigo Public Server Authentication Root R46
       Valido dal:     Mar 22 00:00:00 2021 GMT
       Valido fino:    Mar 21 23:59:59 2036 GMT
       Fingerprint:    8C:54:C3:34:B6:6B:A4:E4:26:77:2A:F4:A3:F9:13:6C:19:A1:AE:C7:29:FD:B2:8C:53:5
C:07:A5:A4:EF:22:E0
       Seriale:        397a66cc2756362e0daa87ca6eabe3b1

   [3] Intermediate CA 2
       Soggetto:       Sectigo Public Server Authentication Root R46
       Organizzazione: Sectigo Limited
       Emittente:      USERTrust RSA Certification Authority
       Valido dal:     Mar 22 00:00:00 2021 GMT
       Valido fino:    Jan 18 23:59:59 2038 GMT
       Fingerprint:    92:F3:51:BF:3D:54:16:4D:FA:8D:D8:F9:E1:13:9D:31:50:34:97:86:48:5D:2B:9E:EC:D
0:0E:29:71:C1:E6:C5
       Seriale:        d27fbbc1de359e5216ad6149586099c4

   [4] Root CA
       Soggetto:       USERTrust RSA Certification Authority
       Organizzazione: The USERTRUST Network
       Emittente:      USERTrust RSA Certification Authority
       Valido dal:     Feb  1 00:00:00 2010 GMT
       Valido fino:    Jan 18 23:59:59 2038 GMT
       Fingerprint:    E7:93:C9:B0:2F:D8:AA:13:E2:1C:31:22:8A:CC:B0:81:19:64:3B:74:9C:89:89:64:B1:7
4:6D:46:C3:D4:CB:D2
       Seriale:        01fd6d30fca3ca51a81bbc640e35032d

   File salvati: ssl-certificates/server.crt, intermediate-*.crt, root-ca.crt, full-chain.pem
```

HASH FILE ACQUISIZIONE

```
   acquisizione-log.txt
     MD5:    e42f3679ec33fec64da18b78b2e472b5
     SHA1:   af6be5367d0ba159918462c64d6c5eb0373e9fe9
     SHA256: 3e2eac0ab8688f10e16488494c5b107ac859bd301701252d62f3147998f0eb11
     SHA512: a95919676a8fb6390f9e1372fd962b0a068054e54b7b0c3cf4cf9442c6b1981766e5a91700885121ad52e51
fce14649e8b1fdee5d170864d1c8e7384acdc2073

   connessione-info.txt
     MD5:    b9e12ea828d4b6f376d968f1631bc86f
```

```
      SHA1:    41f24cc45e43213840ed738b73d81bbe936656ce
      SHA256: 44cb40a2c18aa0cb7e8fa78f43b3592432a10676d194d5417b8e82d960ca9572
      SHA512: bc175f1394e7016f0a0a30214f64da4b28d93340b0bbb8a0337dcb1d560bb84048d1b93ef69a68667f96ca7
517ee721cfa4071c1a800b0c36516c1c6402b530f

   imap-protocol-log.json
      MD5:    acbc009abf712c4a64153edacf28aef5
      SHA1:    6dda93be10182ca43872940b2ece1492f9435de2
      SHA256: b644cb611347971073ea06c9987b91e5fadb2c42016069cb458dc51b74a06be6
      SHA512: 23e26bfcbe4fb811d11268903d61e0178ef2d805b0d3fdfc092c3963b6ac6b0064dc990e2b77a1631262cef
5b24c97877ee5a88331351b6296f8d2d34f2be7c0

   ssl-server.crt
      MD5:    d56799182cfdd8afe9719badaff15d9d
      SHA1:    558a9d19ee0dbf148f7950bd0e1138d466043039
      SHA256: a670b5969b6b7ac5a6e615d78eadec092eb08c25aa2df793ba2b42e780cf3dde
      SHA512: c6496c7d8dadb6aae3de59979d5c0aa234ab518f4a7402504838fce6ad2cfd5d447821b2f9c49ae6b4b3ac5
c6105bcd9eda2262a25164628d946f4c40cd4a015

   187873f0-5f95-4ec7-9489-cec8a99a701a-hashes.json
      MD5:    d3a894d384bbebdb04332a62ad91161c
      SHA1:    1dcce48652857fe40da2dd662362ef0f61847ed3
      SHA256: ba13a426963b87d5e5fdb2129cda893fde4e09ff7d0cef323f8975d0c3837576
      SHA512: d6a550e6615835357fdba3d58ea28ff5bf04e1a0e995e826a06675b4ef75c8fec8b617d02cb2b7ea62041cd
08c2110161dcb2cf2eb270d80c1b1b04665d5bba2

   verifica-integrita.sh
      MD5:    e872921c0e672323058371bfe42d8b2d
      SHA1:    2f66eeae260da3980ee8a98da03db4a48bd11076
      SHA256: 8f281523880be7af1914671853a0aabc462116316f0e1b3d051ce759ac5cdc7c
      SHA512: 2eb2916aa048f80b05dc46153d0c6ea734310b1d42751ac5fd80549ed93aba0abc19a25fac993ebc38dd82d
27d8d6541fd172176d218c1c774133cf5708ed50e

   ssl-certificates/full-chain.pem
      SHA256: 9bc8eacd867af92fb98482adc27f3d8ef68cf9e60feadb0fcd88ed7faca63e7f

   ssl-certificates/intermediate-1.crt
      SHA256: e510e76c06a2dc90655e9f6416816f5f24cfff00922e56b65a73741f74d8cac9

   ssl-certificates/intermediate-2.crt
      SHA256: 1d6ba9f4a87acf2d3350366ab53367f2333574bf3944d21dcdd14afd0d3a17a8

   ssl-certificates/root-ca.crt
      SHA256: 09341a353317495832479bc1c6ac32a534e9abaaab625e56f9a98de7c1ea9d8a

   ssl-certificates/server.crt
      SHA256: a670b5969b6b7ac5a6e615d78eadec092eb08c25aa2df793ba2b42e780cf3dde

   INBOX/cartella-sommario.json
      SHA256: 6a551c558fe2eedc3b0127bbc5158b814375b90acb2d8b812ec30cf1226cdc66

   Report header per messaggio:

   [INBOX/00001_uid2789]
      Cartella IMAP:   INBOX
      UID:             2789
      Oggetto:         Questa è un email di test!
      Da:              gc@giovannicarrieri.it
      A:               email@acquisizioniforensi.it
      Data:            2026-03-19T15:38:54.000Z
      Data IMAP:       2026-03-19T15:38:55.000Z
      Message-ID:      <84857C3E-00DD-4710-A245-6B785BF6D172@giovannicarrieri.it>
      Flags:           nessuno
      Dim. server:     10.58 KB
      Dim. scaricata:  10.58 KB
      Integrità:       OK (dimensioni corrispondono)

      ── PERCORSO EMAIL ──
```

```
    Return-Path:      <gc@giovannicarrieri.it>
    IP mittente:      130.25.166.179
    Primo SMTP:
      From:     smtpclient.apple (net-130-25-166-179.cust.vodafonedsl.it [130.25.166.179])
      By:       smtp.hostinger.com
      IP:       130.25.166.179
      Proto:    ESMTPS
      Data:     2026-03-19T15:38:54.000Z
    Percorso completo (2 hop):
      [1] smtpclient.apple (net-130-25-166-179.cust.vodafonedsl.it [130.25.166.179]) → smtp.hosting
er.com (ESMTPS) 2026-03-19T15:38:54.000Z
      [2] de-fra-smtpout2.hostinger.io (de-fra-smtpout2.hostinger.io [148.222.55.5]) → fr-int-smtpi
n38.hostinger.io (ESMTPS) 2026-03-19T15:38:54.000Z
    ── FINE PERCORSO ──

    Autenticazione:  DKIM=neutral, SPF=none, DMARC=fail
    Comando IMAP:    FETCH 2789 (FLAGS INTERNALDATE RFC822.SIZE RFC822 BODY[HEADER.FIELDS (FROM TO
CC SUBJECT DATE MESSAGE-ID)] ENVELOPE)

    ── INTESTAZIONI COMPLETE ──
  │ Return-Path: <gc@giovannicarrieri.it>
  │ Delivered-To: email@acquisizioniforensi.it
  │ Received: from de-fra-smtpout2.hostinger.io (de-fra-smtpout2.hostinger.io [148.222.55.5])
  │   by fr-int-smtpin38.hostinger.io (mx.hostinger.com) with ESMTPS id 4fc8xV61NTz521G
  │   for <email@acquisizioniforensi.it>; Thu, 19 Mar 2026 15:38:54 +0000 (UTC)
  │ Authentication-Results: fr-int-smtpin38.hostinger.io;
  │   dkim=pass header.d=giovannicarrieri.it header.s=hostingermail-a header.b=B5aAL9o8
  │ Received: from smtpclient.apple (net-130-25-166-179.cust.vodafonedsl.it [130.25.166.179])
  │   (Authenticated sender: gc@giovannicarrieri.it)
  │   by smtp.hostinger.com (smtp.hostinger.com) with ESMTPSA id 4fc8xV22Mkz3wkl
  │   for <email@acquisizioniforensi.it>; Thu, 19 Mar 2026 15:38:54 +0000 (UTC)
  │ DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed; d=giovannicarrieri.it;
  │   s=hostingermail-a; t=1773934734;
  │   h=from:from:reply-to:subject:subject:date:date:message-id:message-id:
  │    to:to:cc:mime-version:mime-version:content-type:content-type;
  │   bh=VW0QQTfYqTIR8tCkVlvkOK2Gbr/pjmsS/p/U+kjXUGo=;
  │   b=B5aAL9o8wJ/KexihpU/ls6axyMt1paZdgAXS8U++5yL2OQgOnPG1J9cxETSj1/Y8S8MUFr
  │   dXXkfm5RK3joqoVF/bhIntui5XHQ5FLuPhaYGrO9ZNiRKM0DYKwHHCI2EW3g27VfRIoZKy
  │   IHVAe+2jSaDTp8OpX+UU38g0K0hT+8LyO48/VERNuhcwsYhhh6jKZcnRjsks1Y0dp5d6zo
  │   OYzcMQO29X2oK1+7D+tbCJcZvNqI0+fDN28u2pJNZkEjA53XlZ8tmOwCFracKPoi1DEaXa
  │   WViVP/uiQ9qAohq2Q/LbncW/KCy+5C+VWRfLxzPwswo5bkaC/DsTQkWPbk1UMg==
  │ From: "Giovanni Carrieri (IT)  " <gc@giovannicarrieri.it>
  │ Content-Type: multipart/alternative;
  │   boundary="Apple-Mail=_42F601EF-AE6D-4BA5-B425-9090F6FFC683"
  │ Mime-Version: 1.0 (Mac OS X Mail 16.0 \(3864.400.21\))
  │ Subject: =?utf-8?Q?Questa_=C3=A8_un_email_di_test!?=
  │ Message-Id: <84857C3E-00DD-4710-A245-6B785BF6D172@giovannicarrieri.it>
  │ To: email@acquisizioniforensi.it
  │ X-Mailer: Apple Mail (2.3864.400.21)
  │ Date: Thu, 19 Mar 2026 15:38:54 +0000 (UTC)
  │ X-CM-Envelope: MS4xfDsqHIM9NMVW1+6VXNrxMUvoXfdwJD9YCPs+3sWP0quGOMCBvuzRq8mbkAEaAdURN7SCm6xq8t
mtJZlOB77XSCj785CrPpr6g2IarQM8xr8hvW1xLro6 smljt+bkwtUR7ESjlsFiJ9ZSd4B+LlGwr9Rd8H/c5ZJGrhUBfL2z7LIF
nb6gvYZI8o5T/KtVAODK9RR3qmcXEqx0vusUUrIrYO8=
  │ X-CM-Analysis: v=2.4 cv=ALriHGRn c=1 sm=1 tr=0 ts=69bc188e a=pJ8RjIUqLS8Z2zWHpIRtGg==:117 a=p
J8RjIUqLS8Z2zWHpIRtGg==:17 a=5KLPUuaC_9wA:10 a=GVwhu0qDAAAA:8 a=pqe11PuGAAAA:8 a=-bgB4Ozuw_vBWPA3hD
UA:9 a=CjuIK1q_8ugA:10 a=-FEs8UIgK8oA:10 a=aFDrEQ8kFj4ivBUuMYsA:9 a=kSvjMO9ZKZD6scJS:21 a=_W_S_7Vec
oQA:10 a=K5Q9DBfBtnGXc7u9zlHx:22 a=vcwYy-gZbjp6V6dKKpYS:22 a=pN3IuAQJOqr-zD1VDeVi:22
  │ X-CM-Analysis: v=2.4 cv=J6n47xnS c=1 sm=1 tr=0 ts=69bc188f a=oBuc5u91UaNnDYNTUG397A==:117 a=p
J8RjIUqLS8Z2zWHpIRtGg==:17 a=Yq5XynenixoA:10 a=5KLPUuaC_9wA:10 a=KaqEQEBg1w8A:10 a=GVwhu0qDAAAA:8 a
=pqe11PuGAAAA:8 a=-bgB4Ozuw_vBWPA3hDUA:9 a=CjuIK1q_8ugA:10 a=-FEs8UIgK8oA:10 a=aFDrEQ8kFj4ivBUuMYs
A:9 a=kSvjMO9ZKZD6scJS:21 a=_W_S_7VecoQA:10 a=K5Q9DBfBtnGXc7u9zlHx:22 a=vcwYy-gZbjp6V6dKKpYS:22 a=p
N3IuAQJOqr-zD1VDeVi:22
  │ X-CM-Envelope: MS4xfGMBPyvfqBKOw7vMJg/G4FKnxzXfTGsh/JSrPIu2+lBQnCHVq9vKw9jEsQvO0UOWyQEod2kVqR
oWNEOF12IDjYaEcTQ99C4r2EFm8WpopyGalRqEAcTu ayGQ4sHqhE3iud/p1HtcRN0lSN0wQxqwabsyT050uVtaNHtQlMmhxT4q
7w6ieHVjpeyezILrUsryJwmSyALL0WQWWUHOIbUKujO/4jRGTh/X0hQ7rk7U4hUm
    ── FINE INTESTAZIONI ──

    report-headers.txt
```

```
    SHA256: 5649580668a3ab10c08fbf9cd09b19a52bbaf2e9a31347b04ddc5bfd97788992
  messaggio.eml (10.58 KB)
    MD5:    3adf2885a4776fddd131e95b29d7dc0c
    SHA1:   939d1671fc7cb4dfe3d6e85f6d1ca8ed415a26fa
    SHA256: cf7c2ea55909176c7d15ff9884501330aefdae4a6544cba336839cd3c85aa226
  metadata.json
    SHA256: 8cdd0e702d11ed993f01ea4f6bab611afbd909ab17d0090673e33a1f45dd866e
  dkim-verifica.json
    SHA256: 9580d69bd9adc34336baf70d2f7ba3460ba33e47e13cd34498d716eeb2690ad6
  header-analysis.json
    SHA256: 69fe993fdebfa2cdf62f5f92a8af728111823103dc99dab9e425bfe05225eab7
  messaggio.pdf
    SHA256: 36a3c18a75b165539c504567287fcbcd0a6eda94ec67f62a4d3ce7fa8c849abd
  messaggio.png
    SHA256: 485497084da75afe597f35689916333130a00632b15de2bb5773b6dbe8da2dc8
```

INFORMAZIONI TOOL DI ACQUISIZIONE

```
  Applicazione:      C.E.R.T.O. v3.0.0
  Node.js:           v22.22.1
  Electron:          39.8.2
  Crypto Library:    BoringSSL (Chromium 142.0.7444.265)
  V8:                14.2.231.22-electron.0
  Chrome:            142.0.7444.265
  ImapFlow:          1.2.13
  Mailparser:        3.9.4
  Mailauth:          4.13.1
```

INFORMAZIONI SISTEMA CLIENT

```
  Sistema operativo: Darwin 25.3.0
  Piattaforma:       darwin
  Architettura:      arm64
  Hostname:          D235.station
  Utente:            giovannicarrieri
  IP pubblico:       130.25.166.179
  CPU:               Apple M4 Pro (12 core)
  RAM totale:        24.00 GB
```

LOG PROTOCOLLO IMAP

```
  Entries registrate: 156
  File completo:      imap-protocol-log.json
  Riepilogo: info=2, debug=154
```

RIEPILOGO STATO ACQUISIZIONE

```
  Tutte le operazioni completate con successo
```

ELENCO FILE PRODOTTI

```
  rapporto-acquisizione.txt     — Questo report
  rapporto-acquisizione.pdf     — Versione PDF di questo report
  acquisizione-log.txt          — Log cronologico dell'acquisizione
  connessione-info.txt          — Dettagli connessione e certificati SSL
  imap-protocol-log.json        — Log completo protocollo IMAP
  187873f0-5f95-4ec7-9489-cec8a99a701a-hashes.json — Manifest hash di tutti i file
  ssl-server.crt                — Certificato server in formato PEM
  ssl-certificates/             — Catena completa certificati SSL
  timestamp-info.json           — Informazioni marca temporale RFC 3161 (generato dopo questo repo
rt)
  verifica-integrita.sh         — Script di verifica integrità
  [CARTELLE]/cartella-sommario.json  — Metadati IMAP per ogni cartella acquisita
  [CARTELLE]/[MSG]/messaggio.eml     — Email originale in formato RFC 2822
  [CARTELLE]/[MSG]/messaggio.pdf     — Resa visiva email in PDF
  [CARTELLE]/[MSG]/messaggio.png     — Screenshot email in PNG
  [CARTELLE]/[MSG]/metadata.json     — Metadati strutturati del messaggio
  [CARTELLE]/[MSG]/report-headers.txt — Analisi forense header email
  [CARTELLE]/[MSG]/dkim-verifica.json — Risultati verifica DKIM/SPF/DMARC
  [CARTELLE]/[MSG]/header-analysis.json — Analisi strutturata hop
  [CARTELLE]/[MSG]/allegati/          — Allegati del messaggio con hash


═══════════════════════════════════════════════════════════════
  Generato da C.E.R.T.O. v3.0.0
  Report generato il: 2026-03-19T15:39:36.040Z
═══════════════════════════════════════════════════════════════
```

Rapporto generato automaticamente da C.E.R.T.O. v3.0.0
19/03/2026 — 16:39:36
www.acquisizioniforensi.it — info@acquisizioniforensi.it — acquisizioniforensi@pec.it