

TRUE POSITIVE: Business Email Compromise & Data Exfiltration

Confirmed malicious activity targeting financial data and account integrity.

THREAT STATUS: MITIGATED

ACTION REQUIRED: MANUAL CLEANUP VERIFIED

Executive Summary

Coordinated compromise has been detected across ██████████.com and ██████████.com, indicating a likely Business Email Compromise (BEC) and data exfiltration campaign. The incident began with an impossible travel authentication event between Tampa, FL, and London, UK. Shortly after, a hidden inbox rule named "Sync Errors" was created on ██████████.com to silently forward financial emails to ██████████@gmail.com. Automated playbooks successfully severed threat actor access by disabling both accounts and revoking session tokens.

Recommendations & Actions Taken:

- ✔ **Disable Users & Revoke Sessions:** Playbook successfully invalidated refresh tokens and suspended sign-ins for both ██████████
- ✔ **Delete Suspicious Inbox Rule:** Manually removed the "Sync Errors" forwarding rule from ██████████.com to halt data exfiltration.
- ✔ **Block External Address:** Added ██████████@gmail.com to the global Exchange blocklist.

Attack Timeline

Impossible Travel Login Detected

██████████.com successfully authenticated from London, UK (82.163.43.11)

Feb 24 - 14:10:00

Automated Containment Triggered

Account suspended and session tokens revoked for ██████████.com

Feb 24 - 14:10:20

Malicious Inbox Rule Created

"Sync Errors" forwarding rule created on compromised account ██████████.com

Feb 25 - 09:15:30

Manual Remediation Completed

Analyst ██████████ Smith removed the "Sync Errors" rule and updated the global blocklist.

Feb 25 - 09:45:00

Impact Assessment

Account Status

SUSPENDED (2)

Data Exfiltration Risk

MODERATE - RULE ACTIVE FOR 24H

Identity Impact

M365 Sessions invalidated

Affected Entities

| Entity         | Detail          | Baseline IP  |
|----------------|-----------------|--------------|
| ██████████.com | Sales Director  | 73.120.45.12 |
| ██████████.com | Finance Manager | 73.120.45.88 |

SECONDARY ENRICHMENT

- Network & Threat Intel**
- **82.163.43.11 (London, UK):** Resolved to a commercial anonymous VPN provider. Not a registered Salty Soul corporate egress node.
  - **185.104.184.12 (Netherlands):** Flagged by Threat Intelligence as a known proxy node associated with previous credential stuffing campaigns.
- SaaS & Identity Environment (ASIO)**
- **[redacted].com:** The London authentication successfully bypassed MFA via a stolen session cookie (Session ID matches the earlier Tampa login).
  - **[redacted]@gmail.com:** Domain (gmail.com) is a free mail provider. This address has zero historical communication with any Salty Soul employee.

JIT BASELINE INDICATORS

- Profile:** [redacted].com)
- **Standard Baseline:** 100% of historical logins over the past 90 days originate from Florida, USA.
- ▲ **Active Conflict:** Concurrent geographic distance conflict detected. Authentication from Tampa, FL and London, UK occurred within a 10-minute window (requires travel speed of ~25,000 mph).
- Profile:** [redacted].com)
- **Standard Baseline:** Administrative Exchange actions (rule creation/delegation) are exceedingly rare for this finance user (0 events in past 365 days).
- ▲ **Active Conflict:** "Sync Errors" forwarding rule created from a non-standard geographic location (Netherlands) to an external, never-before-seen free email address.

MUSE TOOL USAGE RISK

- **Status:** Not Applicable
- AI Note:** No dual-use administrative tools, RMM agents (e.g., AnyDesk, TeamViewer), or localized command-line utilities (e.g., PowerShell, OSQuery) were detected in this cloud-centric attack chain.

Detailed Threat Analysis Log

M365 Identity Login from Impossible Travel Location

2026-02-24T14:10:00Z

[redacted].com successfully authenticated from an anomalous IP in London, UK immediately after a standard baseline login from Tampa, FL.

FULL EVENT LOGS

| @timestamp           | event.action | o365.audit.UserId | source.ip    | source.geo.country      | o365.audit.ApplicationId |
|----------------------|--------------|-------------------|--------------|-------------------------|--------------------------|
| 2026-02-24T14:00:00Z | UserLoggedIn | [redacted].com    | 73.120.45.12 | United States (US-FL)   | 1b730954-1685-4b74...    |
| 2026-02-24T14:10:00Z | UserLoggedIn | [redacted].com    | 82.163.43.11 | United Kingdom (GB-ENG) | 1b730954-1685-4b74...    |

M365 Exchange Inbox Forwarding Rule Created

2026-02-25T09:15:30Z

A hidden inbox rule named "Sync Errors" was created on [redacted].com from a Netherlands IP address (185.104.184.12) to forward data externally.

FULL EVENT LOG

| Field                                     | Value                    |
|-------------------------------------------|--------------------------|
| @timestamp                                | 2026-02-25T09:15:30.000Z |
| event.provider                            | Exchange                 |
| event.action                              | New-InboxRule            |
| o365.audit.UserId                         | [redacted].com           |
| source.ip                                 | 185.104.184.12           |
| o365.audit.Parameters.Name                | "Sync Errors"            |
| o365.audit.Parameters.ForwardTo           | [redacted]@gmail.com     |
| o365.audit.Parameters.StopProcessingRules | True                     |

Technical Details & Analysis

Indicators of Compromise (IOCs)

- Network (Malicious): 82.163.43.11 (London VPN)
- Network (Malicious): 185.104.184.12 (Netherlands Proxy)
- Email (Malicious): [redacted]@gmail.com (Drop Address)
- Artifact (Persistence): InboxRule: "Sync Errors"

MITRE ATT&CK® Mapping

| Tactic                  | Technique                | Sub-Technique                     | Severity                     |
|-------------------------|--------------------------|-----------------------------------|------------------------------|
| Initial Access (TA0001) | Valid Accounts (T1078)   | Cloud Accounts (T1078.004)        | <div><div></div>MEDIUM</div> |
| Collection (TA0009)     | Email Collection (T1114) | Email Forwarding Rule (T1114.003) | <div><div></div>MEDIUM</div> |

Mitigation Actions

- ✔ M365 Account sign-ins suspended.
- ✔ Malicious Exchange rule "Sync Errors" purged.
- ✔ Global blocklist updated for attacker drop address.

Analyst Notes

"Confirmed with █████ no travel. Automated containment verified. Manual Exchange cleanup performed on █████'s mailbox to neutralize BEC data collection. Recommending hardware token resets for both users."

- █████ Smith, Senior SOC Analyst

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