INTELLIGENCE BRIEFING
Security Command Center
TLP:CLEAR
2026-04-02 06:13 UTC

Town of Apex, NC Data Breach Exposes PII of ~22,000 Residents Following July 2024 Cyberattack

DATA BREACH | HIGH

SCC Item ID	SCC-DBR-2026-0073
Type	Data Breach
Severity	HIGH
Affected Products	Town of Apex, NC, municipal government systems (specific platforms not publicly disclosed)
Published	2 days ago
Discovery Source	Serper

Executive Summary

In July 2024, the Town of Apex, North Carolina suffered a cyberattack in which threat actors stole personally identifiable information belonging to approximately 22,000 residents. The town obtained a court order to recover the stolen data and began notifying affected individuals in early March 2026. The primary business risk is regulatory exposure under state breach notification law, reputational harm to the municipality, and potential civil liability to affected residents whose PII was compromised.

Technical Analysis

Attack details remain limited in open-source reporting as of March 2026. The attack vector, threat actor identity, compromised systems, and specific data types stolen have not been publicly disclosed by the Town of Apex or in available media coverage. No CVE, CWE, or MITRE ATT&CK techniques have been attributed to this incident in open-source intelligence. The town obtained a court order to recover the stolen data, suggesting possible identification of a recipient or storage location, but no further technical detail has been confirmed publicly. A notable gap is the approximately 20-month delay between the July 2024 attack and the March 2026 resident notification. Note: N.C. Gen. Stat. § 75-65 requires notification without unreasonable delay; this timeline warrants verification of compliance with applicable law. No CVSS score, EPSS score, or KEV entry is associated with this incident. Source quality is limited to regional news outlets (Tier 3); no official town advisory, CISA alert, or law enforcement statement has been identified in available sources.

Action Checklist

1. Containment, If you operate municipal or local government systems with shared vendor platforms or inter-agency data connections to Wake County or Town of Apex systems, audit those connections for anomalous activity. Isolate any shared data feeds pending confirmation that your environment is unaffected. Note: specific compromised platforms have not been disclosed, so broaden containment scope across all externally connected municipal systems pending clarification of compromised platforms.
2. Detection, Review authentication and access logs for municipal systems covering the July 2024 window. Search for lateral movement indicators, anomalous data export volumes, or unauthorized account creation during that period. Because no IOCs have been publicly released, focus detection on behavioral anomalies rather than signature-based matching. If your organization shares infrastructure with North Carolina municipal networks, query SIEM logs for unusual outbound data transfers in July 2024.
3. Eradication, No specific patch, CVE, or vulnerability has been attributed to this incident. Eradication guidance cannot be made specific to this event. As a general control measure, audit privileged access on all municipal-facing systems, rotate credentials for any accounts with access to PII repositories, and verify endpoint detection coverage across systems that store resident data.
4. Recovery, Verify current integrity of PII databases and audit logs for any systems that may overlap with the affected town's data environment. Confirm that breach notification obligations under N.C. Gen. Stat. § 75-65 have been assessed if your organization holds North Carolina resident data. Monitor for secondary phishing or fraud campaigns targeting Apex residents, as stolen PII may be used in follow-on attacks against your users or constituents.
5. Post-Incident, This incident highlights two recurring control gaps in municipal environments: delayed breach detection and extended notification timelines. Assess your organization's mean time to detect (MTTD) and mean time to notify (MTTN) against applicable state law requirements. Review data minimization practices, specifically, whether your systems retain resident PII beyond operational necessity. Consider tabletop exercises simulating exfiltration of PII at scale, with particular attention to legal hold and court-ordered recovery procedures.

IR / Forensic Enrichment

Triage Priority	URGENT
Escalation Criteria	Escalate immediately to legal counsel and executive leadership if any evidence of shared infrastructure compromise is confirmed, if your organization holds North Carolina resident PII and has not yet assessed N.C. Gen. Stat. § 75-65 notification obligations, or if forensic analysis of July 2024 logs reveals anomalous bulk data exports from PII repositories coinciding with the Apex attack window.
Recovery Notes	Verify the integrity of all resident PII databases using file-level hash comparisons against pre-incident baselines and validate audit log continuity for the July 2024 window before declaring systems clean. Because the stolen dataset of ~22,000 resident records will likely be monetized or used in spear-phishing and fraud campaigns targeting Apex constituents, maintain elevated monitoring on inbound email gateways and authentication systems for at least 90 days post-incident for social engineering attempts that reference Apex breach notification themes. Confirm that data retention schedules are enforced on all PII repositories and that any resident data retained beyond operational necessity is purged under documented legal authority, both to reduce future breach radius and to demonstrate good-faith compliance posture under N.C. Gen. Stat. § 75-65.

Forensic Artifacts	Windows Security Event Log (EVTX) — Event IDs 4663 (Object Access), 4624/4625/4648 (Authentication), 4720/4732 (Account Creation/Group Modification) from June–August 2024, specifically on systems hosting resident PII databases; these logs document the access pattern and credential use consistent with bulk PII exfiltration. | Database query logs (SQL Server trace files or PostgreSQL pg_log) covering July 2024 — search for bulk SELECT statements, large result set exports, or use of bcp.exe / BULK EXPORT commands against tables containing resident names, addresses, SSNs, or government-issued ID numbers, which is the mechanism most consistent with exfiltrating a structured PII dataset of ~22,000 records. | Firewall and proxy session logs for July 2024 — specifically sessions showing large outbound byte counts (>10MB) to non-municipal external IPs, which would represent the exfiltration channel for a dataset of this scale; correlate destination IPs against threat intelligence feeds (e.g., AbuseIPDB) to assess whether known infrastructure was used. | Active Directory audit logs and replication metadata — export of privileged account creation events, group policy object (GPO) changes, and password reset events during July 2024 to identify attacker persistence mechanisms such as rogue admin accounts or modified GPOs that granted access to PII repositories. | VPN and remote access gateway authentication logs (e.g., FortiGate, Cisco ASA, Citrix ADC) for July 2024 — off-hours logins, logins from anomalous geolocations, or session durations inconsistent with normal municipal staff work patterns are the behavioral indicators most likely to surface an external threat actor who accessed PII repositories remotely in the absence of a published CVE or specific attack vector.

Per-Action IR Details

Containment — If you operate municipal or local government systems with shared vendor platforms or inter-agency data connections to Wake County or Town of Apex systems, audit those connections for anomalous activity. Isolate any shared data feeds pending confirmation that your environment is unaffected. Note: specific compromised platforms have not been disclosed, so scope containment broadly across externally connected municipal systems.

NIST Phase: Containment

Reference: NIST 800-61r3 §3.3 — Containment Strategy: isolate affected systems and shared data connections to prevent lateral propagation across inter-agency trust relationships.

Controls: NIST IR-4 (Incident Handling), NIST SC-7 (Boundary Protection), NIST AC-3 (Access Enforcement), CIS 4.4 (Implement and Manage a Firewall on Servers), CIS 4.5 (Implement and Manage a Firewall on End-User Devices), CIS 1.1 (Establish and Maintain Detailed Enterprise Asset Inventory)

Compensating: For teams without enterprise NAC or SIEM: enumerate all active inter-agency data connections using 'netstat -anob' (Windows) or 'ss -tnp' (Linux) on systems that hold resident PII. Document each remote IP and cross-reference against known Wake County or Apex municipal IP ranges. Temporarily block outbound connections to those ranges at the host firewall using 'netsh advfirewall' (Windows) or 'iptables -I OUTPUT -d -j DROP' (Linux) until a clean bill of health is confirmed. Use Wireshark or tcpdump on the network gateway to capture any in-flight data transfers to/from those ranges before blocking.

Evidence: Before isolating connections, capture full packet captures (pcap) of all active sessions on inter-agency links using tcpdump or Wireshark — particularly large outbound data flows that would indicate bulk PII exfiltration. Preserve NetFlow or firewall session logs covering July 2024 through the present showing connection state, bytes transferred, and destination IPs. On Windows systems, collect the output of 'netstat -anob' and running process list to identify any persistent outbound connections. Document all shared vendor platform accounts and their last-login timestamps from Active Directory or the vendor's admin console before any credential rotation.

Detection — Review authentication and access logs for municipal systems covering the July 2024 window. Search for lateral movement indicators, anomalous data export volumes, or unauthorized account creation during that period. Because no IOCs have been publicly released, focus detection on behavioral anomalies

rather than signature-based matching. If your organization shares infrastructure with North Carolina municipal networks, query SIEM logs for unusual outbound data transfers in July 2024.

NIST Phase: Detection Analysis

Reference: NIST 800-61r3 §3.2 — Detection and Analysis: correlate authentication anomalies, lateral movement indicators, and bulk data transfer events from the July 2024 attack window using behavioral analysis in the absence of published IOCs.

Controls: NIST IR-5 (Incident Monitoring), NIST AU-6 (Audit Record Review, Analysis, and Reporting), NIST AU-12 (Audit Record Generation), NIST SI-4 (System Monitoring), CIS 8.2 (Collect Audit Logs), CIS 7.1 (Establish and Maintain a Vulnerability Management Process)

Compensating: Without a SIEM, query Windows Security Event Log directly using PowerShell: 'Get-WinEvent -LogName Security -FilterXPath "*[System[TimeCreated[@SystemTime>='2024-07-01T00:00:00'] and TimeCreated[@SystemTime500 files within a one-hour window in July 2024. On Linux/web systems, use 'awk' against auth.log and syslog for the July 2024 date range to identify SSH logins from unusual source IPs. For outbound transfer volume, parse firewall or proxy logs with grep/awk to identify sessions transferring >100MB to external IPs during that window.

Evidence: Preserve Windows Security Event Log exports (EVTX format) for Event IDs 4624 (Logon), 4625 (Failed Logon), 4648 (Explicit Credential Use), 4720 (Account Created), 4732 (Added to Security-Enabled Group), 4776 (Credential Validation), and 4663 (Object Access) covering June–August 2024 before any log rotation clears them. Collect VPN authentication logs and remote access gateway logs (e.g., Citrix, RDP gateway, FortiGate SSL-VPN) for the same window. Preserve database query logs (SQL Server trace logs or PostgreSQL pg_log) for PII repositories showing bulk SELECT or export operations in July 2024. On Linux systems, collect /var/log/auth.log, /var/log/secure, and /var/log/syslog for the July 2024 window. Capture current Active Directory replication metadata ('repadmin /showrepl') to identify any rogue domain controllers or unauthorized schema changes that may have persisted.

Eradication — No specific patch, CVE, or vulnerability has been attributed to this incident. Eradication guidance cannot be made specific to this event. As a general control measure, audit privileged access on all municipal-facing systems, rotate credentials for any accounts with access to PII repositories, and verify endpoint detection coverage across systems that store resident data.

NIST Phase: Eradication

Reference: NIST 800-61r3 §3.4 — Eradication: in the absence of a known vulnerability or CVE, eradication focuses on removing attacker persistence mechanisms — rogue accounts, implanted credentials, backdoors, and unauthorized privileged access — from PII-bearing municipal systems.

Controls: NIST IR-4 (Incident Handling), NIST SI-2 (Flaw Remediation), NIST AC-3 (Access Enforcement), NIST IA-5 (Authenticator Management), CIS 5.1 (Establish and Maintain an Inventory of Accounts), CIS 5.3 (Disable Dormant Accounts), CIS 5.4 (Restrict Administrator Privileges to Dedicated Administrator Accounts)

Compensating: Without enterprise PAM tooling, enumerate all local administrator accounts on Windows endpoints using: 'Get-LocalGroupMember -Group Administrators' run via PowerShell remoting across all systems in scope. Export Active Directory privileged group memberships with: 'Get-ADGroupMember -Identity "Domain Admins" -Recursive | Select-Object Name,SamAccountName,DistinguishedName'. Compare output against your last known-good access review baseline and disable any unrecognized accounts immediately with 'Disable-ADAccount -Identity '. Rotate all service account passwords and any shared credentials for database access to resident PII repositories. Deploy Sysmon with the SwiftOnSecurity configuration template to all remaining endpoints to establish persistence-mechanism detection going forward. Verify no new scheduled tasks or services were created in July 2024 by querying: 'Get-ScheduledTask | Where-Object {$_.Date -gt "2024-07-01"}'.

Evidence: Before credential rotation, export a full snapshot of Active Directory privileged group memberships, service accounts, and last-logon timestamps ('Get-ADUser -Filter * -Properties LastLogonDate,PasswordLastSet,MemberOf'). Collect the output of 'net user /domain' and local SAM hive exports (using reg save HKLM\SAM) from PII-bearing systems to establish a pre-rotation baseline. List all scheduled tasks ('schtasks /query /fo LIST /v'), installed services ('sc query type= all state= all'), and startup registry keys (HKLM\SOFTWARE\Microsoft\Windows\CurrentVersion\Run) to identify persistence mechanisms planted during the July 2024 attack window. Preserve these artifacts before any eradication action, as they constitute forensic evidence of attacker persistence.

Recovery — Verify current integrity of PII databases and audit logs for any systems that may overlap with the affected town's data environment. Confirm that breach notification obligations under N.C. Gen. Stat. § 75-65 have been assessed if your organization holds North Carolina resident data. Monitor for secondary phishing or fraud campaigns targeting Apex residents, as stolen PII may be used in follow-on attacks against your users or constituents.

NIST Phase: Recovery

Reference: NIST 800-61r3 §3.5 — Recovery: restore and verify the integrity of PII repositories, confirm regulatory notification compliance under N.C. Gen. Stat. § 75-65, and activate monitoring for follow-on fraud and phishing campaigns weaponizing the ~22,000 stolen resident records.

Controls: NIST IR-6 (Incident Reporting), NIST SI-7 (Software, Firmware, and Information Integrity), NIST AU-9 (Protection of Audit Information), NIST AU-11 (Audit Record Retention), CIS 3.2 (Establish and Maintain a Data Inventory), CIS 3.4 (Enforce Data Retention)

Compensating: Verify PII database integrity without enterprise DLP by running file hash baselines against database files and configuration files using PowerShell: 'Get-FileHash -Algorithm SHA256 -Path ' and comparing against pre-incident checksums stored in change management records. For audit log integrity, verify that Windows Security Event Log timestamps are consistent (no gaps in event sequence numbers) and that log file sizes match expected growth rates for the July 2024 period. For phishing monitoring, subscribe your abuse@ and security@ mailboxes to feeds from PhishTank (free) and configure email gateway rules to flag messages referencing 'Town of Apex', 'Apex NC', or 'data breach notification' as high-suspicion. For fraud monitoring with no commercial tool budget, set up Google Alerts for 'Apex NC breach' and 'Apex resident data' to track public exploit of the stolen dataset.

Evidence: Capture current database file hashes and row counts for all PII repositories to establish a recovery baseline for integrity comparison. Export current audit log inventories showing log completeness and retention for the July 2024 window — gaps in log continuity are themselves forensic evidence of potential tampering. Document the regulatory notification assessment in writing, including the date N.C. Gen. Stat. § 75-65 obligations were evaluated and by whom, as this record will be required in any regulatory inquiry. Preserve copies of any communications received from the Town of Apex or Wake County regarding the incident scope, as these define the shared-environment boundary for your own breach assessment.

Post-Incident — This incident highlights two recurring control gaps in municipal environments: delayed breach detection and extended notification timelines. Assess your organization's mean time to detect (MTTD) and mean time to notify (MTTN) against applicable state law requirements. Review data minimization practices — specifically, whether your systems retain resident PII beyond operational necessity. Consider tabletop exercises simulating exfiltration of PII at scale, with particular attention to legal hold and court-ordered recovery procedures.

NIST Phase: Post Incident

Reference: NIST 800-61r3 §4 — Post-Incident Activity: conduct lessons-learned review benchmarking MTTD and MTTN against N.C. Gen. Stat. § 75-65 requirements, formalize data minimization controls for resident PII, and run tabletop exercises incorporating the legal hold and court-ordered data recovery procedures that characterized the Apex incident response.

Controls: NIST IR-4 (Incident Handling), NIST IR-8 (Incident Response Plan), NIST IR-2 (Incident Response Training), NIST IR-3 (Incident Response Testing), NIST SI-12 (Information Management and Retention), CIS 7.1 (Establish and Maintain a Vulnerability Management Process), CIS 7.2 (Establish and Maintain a Remediation Process), CIS 3.2 (Establish and Maintain a Data Inventory), CIS 3.4 (Enforce Data Retention)

Compensating: Calculate MTTD by identifying the earliest forensic timestamp of attacker activity (from log analysis in the detection step) and comparing it to the date your incident was formally declared — document this delta in a post-incident report. For the tabletop exercise, use the Apex incident as the scenario seed: threat actors exfiltrate a CSV export of ~22,000 resident records containing names, addresses, and government-issued IDs from a municipal database; walk through your team's detection, notification, legal hold, and court-order coordination procedures step by step. Use the CISA Tabletop Exercise Package (CTEP) framework (free, available at cisa.gov) to structure the exercise. For data minimization, audit PII retention by running: 'SELECT table_name, column_name FROM

information_schema.columns WHERE column_name IN ("ssn","dob","address","license_number")' against your municipal databases to inventory where resident PII is stored, then apply retention schedules aligned to N.C. records retention requirements.

Evidence: Compile the post-incident timeline document capturing: date of initial compromise (as reconstructed from logs), date of internal detection, date of legal counsel engagement, date of regulatory notification assessment, and date of resident notification — this timeline is the primary artifact for both regulatory defense and lessons-learned. Preserve all incident ticket records, chain-of-custody documentation for forensic images, and any court-order or legal hold correspondence as a reference library for future tabletop exercise realism and regulatory inquiry response. Document the MTTD and MTTN metrics as formal KPIs to track improvement against in subsequent quarters.

Detection Guidance

No IOCs, CVEs, or MITRE techniques have been publicly attributed to this incident as of March 2026. Detection guidance is necessarily general. For organizations with exposure to North Carolina municipal networks or shared state government infrastructure: (1) query SIEM and DLP logs for large-volume outbound data transfers originating from systems that store resident PII, particularly covering the July 2024 timeframe; (2) review EDR telemetry for credential harvesting, staging activity, or use of living-off-the-land binaries on systems with access to PII repositories; (3) check for unauthorized new accounts or privilege escalation events in Active Directory or identity provider logs from that period. If the Town of Apex releases IOCs or a formal incident report, update detection rules accordingly. Monitor for future CISA advisories or NC Department of Information Technology bulletins that may provide additional technical detail; as of March 2026, none have been published.

Framework Mappings

ISO-27001-2022

- **A.8.8** — Management of technical vulnerabilities
- **A.5.34** — Privacy and protection of personal information

HIPAA-SECURITY

- **164.308(a)(6)(ii)** — Response and Reporting

SOC2-TSC

- **CC7.4** — Responds to identified security incidents

NIST-CSF-2

- **RS.CO-03** — Recovery activities and progress communicated

Sources

Source	URL	Tier
	https://www.wral.com/news/local/apex-data-breach-22000-residents-ma...	T3
Apex notifying 22,000 residents data could be compromised in 2024 ...	https://abc11.com/post/apex-notifying-22000-residents-data-could-co...	T3

Source	URL	Tier
Nearly 22,000 people in Apex had information stolen in 2024 ...	https://www.wral.com/video/nearly-22-000-people-in-apex-had-informa...	T3
Apex notifying 22,000 residents data could be compromised in 2024 ...	https://www.youtube.com/watch?v=UKUsx0VuzPw	T3
Apex cyberattack: Stolen data recovered after about 22K affected	https://www.cbs17.com/news/local-news/wake-county-news/apex-recover.. .	T3

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