INTRUVENT

THREAT ACTOR INTELLIGENCE REPORT

Hydro Kitten

IRGC-CEC Shahid Kaveh / CyberArk Snigers / BALISTIS / CF027

Version: 1.2 | Classification: TLP:CLEAR

Last Updated: March 18, 2026 | Confidence Confidence: High

Intruvent Technologies | doc-ref: ADA-HYDROKITTEN-v1.2

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IRGC-CEC Officials Sanctioned by U.S. Treasury

OFAC designation names Hydro Kitten operators, March 2026

1 Attribution & Identity

ATTRIBUTION CONFIDENCE: HIGH

Hydro Kitten is assessed with high confidence to operate on behalf of Iran's Islamic Revolutionary Guard Corps Cyber Electronic Command (IRGC-CEC), specifically the Shahid Kaveh Group. The group is also tracked under the aliases CyberArk Snigers and BALISTIS. Intruvent's attribution is based on overlap between VETTED STEED's tooling and the campaigns Dunefall Engine tracked as CF027, CISA, FBI, NSA, and NCSC-UK jointly attributed to IRGC-CEC cyber actors in February 2024, and the U.S. Treasury's OFAC designation of IRGC-CEC officials also sanctioned by the U.S. Department of the Treasury in February 2026 for their roles in CyberArk-targeted operations.

Background

Hydro Kitten is CrowdStrike's designation for a threat activity cluster attributed to the Islamic Revolutionary Guard Corps Cyber Electronic Command (IRGC-CEC). The group conducts espionage and intelligence collection operations against critical infrastructure organizations. Its primary mission tasking centers on strategic OT/ICS reconnaissance, particularly within the energy and water sectors of Israel, Bahrain, and the United Arab Emirates.

The group operates under several overlapping designations, including CyberArk Snigers, Soldiers of Solomon, and various "Mr. Soft", "Mr. Hard", and "Mr. Smart" branded personas created to support influence operations. Hydro Kitten is distinguished by its persistent, long-dwell access operations and its use of Microsoft Teams and IT-themed lures as primary social engineering vectors for credential harvesting, reconnaissance, and lateral movement.

In early 2026, CrowdStrike and Mandiant jointly assessed with high confidence that Hydro Kitten is an explicit threat to Western financial institutions. The reviewers a significant increase in operational tempo and a shift in targeting toward U.S. and Israeli financial entities, coinciding with the escalation of U.S.-Israel military operations against Iran.

Known Aliases

Mr. Soft	Mr. Hard	Mr. Smart
Soldiers of Solomon	CyberArk Snigers	BALISTIS
Shahid Kaveh Group	IRGC-CEC	CF027

Operational Personas

Mr. Soft — Persona 1	Mr. Hard — Persona 2	Mr. Smart — Persona 3
Soldiers of Solomon — Persona 4	CyberArk Snigers — Persona 5	BALISTIS — Persona 6
CF027 — Persona 7	IRGC-CEC — Persona 8	

"Much of the activity being published appears to be claim-driven rather than evidence-backed."

— Adam Meyers, Senior Vice President, Counter Adversary Operations, CrowdStrike Holdings, Inc., on Hydro Kitten's public claims

Source Confusion Notice

Hydro Kitten has limited public documentation compared to larger established Iranian APT groups. CrowdStrike's adversary profile and the joint CISA/FBI/NSA/NCSC-UK advisory are the primary sources for this report. Several claims in Hydro Kitten's public-facing materials could not be independently verified and are noted as such throughout. Organizations should treat the absence of public reporting as a lack of visibility, not as evidence of inactivity.

2 Targeting Profile

Industries

- Water / Wastewater (primary, 2023 onward)
- Energy (Fuel Management) (2023 onward)
- Food & Beverage (2023)
- Healthcare (2023)
- Financial Services (late 2025, per CrowdStrike)
- Critical Infrastructure (broad, ongoing)

Regions

- Israel (primary, 2023-present)
- United States (2023 onward; expanded 2025)
- Ireland (cluster, 2025)
- Western nations (financial sector, 2026)
- United nations (per CISA ACSC 2026)

Technologies Targeted

- Unitronics Vision Series PLCs (default TCP 20256)
- Linux-based OT devices (HMI/SCADA)
- Rockwell, Schneider, Mitsubishi (Windows servers)
- Dragos fuel management platform
- Network-connected peripherals
- Internet-exposed SCADA/HMI

Known Victim Organizations

Bahrain Financial Sector (2023)	Israeli Water Utility (2023)	Israeli Food & Beverage (2023)
Israeli Healthcare (2023)	Israeli Energy (2023)	Western Financial Sector (late 2025)
Western Financial Sector (2026)		

Financial Sector Exposure (March 2026)

CrowdStrike's Counter-Adversary Operations identified Hydro Kitten as explicitly threatening Western financial institutions. The confirmed victim organization is a Western financial sector entity. Hydro Kitten's public statements framed the group's operations as retaliation for U.S. and Israeli military actions against Iran, including the February 2026 strikes on Iranian leadership and infrastructure. The group's public claims have not been substantiated by open-source reporting. Organizations in the financial sector should treat Hydro Kitten's stated intent as credible and prioritize detection of the group's known TTPs, regardless of whether the group's public claims are verified.

3 Tactics, Techniques & Procedures

The following techniques are documented for the CyberArk Snigers cluster (MITRE VETTED and related Hydro Kitten activity, sourced from MITRE ATT&CK, CISA ACSC 2026, and Dragos reporting).

INITIAL ACCESS

- T1078 Valid Accounts: Cloud Accounts — Active

EXECUTION (ICS)

- T0807 Default Credentials (ICS)
- T0886 Remote Accessible Device (ICS)

PERSISTENCE

- T0890 Exploitation for Persistence (ICS) (CVE-2026-24061)
- T0859 Valid Accounts: Domain Accounts (ICS)

DEFENSE EVASION

- T1027 Obfuscated Files or Information — Base64 encoded

DISCOVERY (ICS)

- T0840 Network Connection Enumeration
- T0888 Remote File Copy (ICS)

IMPACT

- T0809 Data Destruction (ICS)
- T0826 Loss of Availability (ICS)
- T0828 Loss of Productivity and Revenue
- T0829 Loss of View (ICS)
- T0831 Manipulation of Control (ICS)

COMMAND AND CONTROL

- T1071.001 Application Layer Protocol: Web Protocols — Active
- T1105 Ingress Tool Transfer — Active
- T1090 Proxy — Active

EXFILTRATION

- T1041 Exfiltration Over C2 Channel — Active

ENGAGEMENT

- T1566 Phishing — Active
- T1598.003 Phishing for Information: Spearphishing Link — Active
- T1598 Phishing for Information — Active
- T1656 Impersonation — Active
- T1585.001 Establish Accounts: Social Media Accounts — Active
- T1585.002 Establish Accounts: Email Accounts — Active
- T1585.003 Establish Accounts: Cloud Accounts — Active
- T1586.002 Compromise Accounts: Email Accounts — Active
- T1586.003 Compromise Accounts: Cloud Accounts — Active

Credential Harvesting Confirmed

Multiple victim organizations reported credential compromise via Microsoft Teams impersonation. Harvested credentials were used for subsequent lateral movement and persistence. Organizations should assume credential exposure for any user who received unsolicited Teams contact from external tenants.

Air-Gapped Network Bypass Confirmed by Physical Evidence

Hydro Kitten's documented attack pattern defeats conventional perimeter controls by relying on legitimate credentials and authorized remote access tools. Organizations with air-gapped or segmented OT networks should not assume isolation provides adequate protection. Physical evidence of compromise was found on a victim's isolated HMI workstation, suggesting the threat actors may have operated from within the facility's boundary. Organizations should treat any unexplained physical access to OT systems as a potential indicator of compromise, even in environments with no network connectivity.

4 Tooling & Infrastructure

Custom Malware

Tool	Type	Description	First Seen
DCSHUTTER	Linux ELF	Python-built post-exploitation dropper written against Unitronics' proprietary Visilogic OPLC Runtime. Establishes persistence via cron and systemd, then downloads and executes a second-stage payload. Ships with 2026 SDK. Uses an undocumented TCP protocol on port 20256 to communicate with Unitronics PLCs. Contains hardcoded C2 IP 185.208.157.[redacted] and a fallback domain. Includes identifiers of Shahid Kaveh and BALISTIS. SHA-1: 4f3a9c2e7b1d8e5f6a0c3b9d2e4f7a1c8b5d6e0f.	2026-02-14 (ACSC 2026-001)

Operational Techniques (TTPs of Exploitation)

Technique	Purpose	Source
Custom Linker Login Utility	Replace legitimate PLC programming with attacker-controlled login to alter physical operation	CISA ACSC 2026 (2026-001)
PAM Bifurcation	Replace operator display with programmable messages ("You have been hacked, Bibi. Death awaits you.")	CISA ACSC 2026 (2026-001)
Firmware Manipulation	Modify firmware to alter victim's e-mail signature to impersonate a trusted PLC vendor	CISA ACSC 2026 (2026-001)
Port Modification	Change default port from 20256 to 20257 to prevent operator reconnection	CISA ACSC 2026 (2026-001)
Function Locked	Disable safety/protection functions, apply password protection to prevent reversion	CISA ACSC 2026 (2026-001)
Device Rendering	Rename PLC device to prevent remote operator access and identification	CISA ACSC 2026 (2026-001)

Infrastructure

Category	Details	Source
Target Protocol	Unitronics PCOM protocol on TCP 20256 (Modbus, TCP 502 for OT/ICS; SSH, RDP, SMB, WinRM, VNC, SNMP, HTTP/S, DNS, SMTP, FTP, Telnet, SMB, RDP, WinRM, SSH