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# Cyber Threat Advisory

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Lockbit 3.0

Threat Actor Ransomware

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## Description

### Lockbit 3.0 Ransomware

LockBit, also known as LockBit Black or Lockbit 3.0, is one of the largest ransomware groups globally. It has orchestrated extensive cyberattacks across various industries, impacting thousands of organizations worldwide with its relentless and adaptive strategies. In 2022, LockBit was the most deployed ransomware variant worldwide and continues to be prolific in 2024. Since January 2020, affiliates using LockBit have attacked organizations of various sizes across numerous critical infrastructure sectors, including financial services, food and agriculture, education, energy, government and emergency services, healthcare, manufacturing, and transportation.

The LockBit ransomware operation functions as a Ransomware-as-a-Service (RaaS) model, where affiliates are recruited to conduct ransomware attacks using LockBit ransomware tools and infrastructure. Due to the large number of unconnected affiliates involved, LockBit ransomware attacks exhibit significant variability in observed tactics, techniques, and procedures (TTPs). This variability in ransomware TTPs presents a notable challenge for organizations striving to maintain network security and protect against ransomware threats.

#### CATEGORY

Malware | Ransomware

#### SEVERITY

High

#### Platforms

Windows & Linux

#### IMPACT

- Data Encryption
- Financial Loss
- Operational Disruption
- Reputation Damage
- Data Exfiltration
- Network Spread
- Recovery Costs
- Legal and Regulatory Consequences

# Indicator of compromise

## SHA-256

917e115cc403e29b4388e0d175cbfac3e7e40ca1742299fbbdb353847db2de7c2  
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## SHA-256

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# SHA-1

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## MD-5

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## Remediation

1. **Regular Backups:** Maintain up-to-date backups of critical data and systems. Ensure backups are stored securely and are accessible for quick recovery.
2. **Network Segmentation:** Segment your network to limit lateral movement for ransomware. Isolate critical systems from less secure areas.
3. **Security Awareness Training:** Educate employees about phishing emails, suspicious attachments, and safe online practices. Awareness helps prevent initial infection.
4. **Patch Management:** Keep software and operating systems updated with the latest security patches. Vulnerabilities can be exploited by ransomware.
5. **Endpoint Protection:** Deploy robust antivirus and anti-malware solutions on endpoints. Regularly scan for threats.
6. **Access Controls:** Limit user privileges to the minimum necessary. Unauthorized access can lead to ransomware spreading.
7. **Incident Response Plan:** Develop and test an incident response plan. Know how to respond if a ransomware attack occurs.
8. **Multi-Factor Authentication (MFA):** Implement MFA for critical accounts. It adds an extra layer of security.
9. **Block all IOCs on your XDR, EDR and other security tools.**

# Cyber Threat Advisory

Secure your byte world



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