مجلس الأمن السيبراني
CYBER SECURITY COUNCIL
United Arab Emirates

Critical Vulnerability in Synology Replication Service
Tracking #:432317007
Date:24-03-2025

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EXECUTIVE SUMMARY:

The UAE Cyber Security Council has observed Synology has disclosed a critical security vulnerability in its Replication Service, allowing remote attackers to execute arbitrary commands on unpatched systems.

TECHNICAL DETAILS:

Vulnerability Details:
- CVE-2024-10442
- **CVSSv3 Score**: 10.0 (Critical)
- **Type**: Off-by-one error in the transmission component of Synology Replication Service.
- **Impact**: Remote attackers can exploit this flaw to execute arbitrary code, potentially leading to full system compromise, data breaches, or lateral movement within networks.

Affected Products and Versions:
- **Synology Unified Controller (DSMUC) 3.1**
- **Replication Service** for:
  - DSM 7.2
  - DSM 7.1
  - DSM 6.2

Fixed Versions:
- **DSMUC 3.1**: Upgrade to **version 3.1.4-23079** or later.
- **Replication Service**:
  - DSM 7.2: Update to **1.3.0-0423** or later.
  - DSM 7.1: Update to **1.2.2-0353** or later.
  - DSM 6.2: Update to **1.0.12-0066** or later.

RECOMMENDATIONS:

The UAE Cyber Security Council recommends applying the mitigation or workaround provided by Synology.

Kindly circulate this information to your subsidiaries and partners as well as share with us any relevant information and findings.

The UAE Cyber Security Council extends its appreciation for the continued collaboration.

REFERENCES:

- https://www.synology.com/en-global/security/advisory/Synology_SA_24_22