

GE Vernova Electrification Software SWMFS Arbitrary File Ops

Vulnerability ID: CVE-2025-7719
CVSS v4.0 Score: 5.3
CVSS Severity: Medium
CVSS v4.0 Vector: CVSS:4.0/AV:N/AC:L/AT:N/PR:L/UI:N/VC:L/VI:L/VA:L/SC:N/SI:N/SA:N

Communication Date: 10/8/2025

Overview

GE Vernova's Electrification Software business (GE Vernova) has become aware of a vulnerability that has the potential to allow a user to arbitrarily manipulate files (Vulnerability) on the system hosting its Smallworld Master File Server (SWMFS) Software (Affected Software) affecting all Smallworld deployments prior to v5.3.6.

After assessing the Vulnerability for the Affected Software, GE Vernova determined that the Vulnerability could be exploited to retrieve, modify, put, or delete critical files residing on the server, which could lead to unintended consequences.

Exploit of the Vulnerability is only possible by a user with knowledge of the system. Secure deployment and strong access management for users is essential. GE Vernova strongly recommends that customers adhere to the most recent Secure Deployment Guide (SDG) instructions – [Smallworld Documentation](#).

GE Vernova has resolved the issue in SWMFS v5.36.3 released in Core Spatial Technology v5.3.6.

Due to the many stringent requirements for Operational Technology (OT) and Industrial Control Systems (ICS), GE Vernova strongly recommends current users to consider their defense-in-depth strategies, including network segmentation, to understand the true risk of this exposure in their environment. An open-source model has been developed to assist in this process and can be found here: [Industrial Vulnerability Scoring System \(IVSS\)](#).

Affected Software

Affected

- SWMFS v5.35.0 and earlier

Solution

GE Vernova recommends that users upgrade to the appropriate non-affected version listed above in accordance with their use case and architecture, as this is the most complete method to address the Vulnerability.

Also, users are strongly advised to follow the SDG instructions. The complete SDG can be found in the [Smallworld Documentation](#).

To obtain the latest version of SWMFS, please contact your local support representative at [Customer Center](#).

GE Vernova thanks Théo GOBINET and Azaël MARTIN of ENGIE IT Offensive Cybersecurity Team for bringing information about the Vulnerability to its attention.

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Auto-Notification

Please visit the customer profile page on the support site to sign up for auto-notifications for GE Vernova Software products to receive immediate notice of security alerts and information.

Instructions can be found here; [How to sign up for Auto-Notifications](#).

Change Log

Date	Change(s)
10/7/2025	Initial version
11/3/2025	Updated for public release