

Secsys-FDU / LLM-Tool-Calling-CVEs Public[Code](#) [Issues 12](#) [Pull requests](#) [Actions](#) [Projects](#) [Security and quality](#)[New issue](#)

# DSAI-Cline Remote Code Execution Vulnerability #9

[Open](#)

Secsys-FDU opened last month

Owner

**Vulnerability type** : Other or Unknown**Other vulnerability type** : CWE-78: Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')**Vendor of the product(s)** : DSAI-Cline**Affected Product**: DSAI-Cline (<https://github.com/necboy/cline-DSAI>)**Affected Version** : <= 1.1.2**Attack Type** : Remote**Impact** : Code Execution**Affected component** : Tool Call Parser, Command Validation Logic, Auto-Execution Module

## Description

DSAI-Cline's command auto-approval module contains a critical OS command injection vulnerability that renders its whitelist security mechanism completely ineffective. The system relies on string-based parsing to validate commands; while it intercepts dangerous operators such as ;, &&, ||, |, and command substitution patterns, it fails to account for raw newline characters embedded within the input.

An attacker can construct a payload by embedding a literal newline between a whitelisted command and malicious code (e.g., `git log\nmalicious_command`), forcing DSAI-Cline to misidentify it as a safe operation and automatically approve it. The underlying PowerShell interpreter treats the newline as a command separator, executing both commands sequentially, resulting in Remote Code Execution without any user interaction.

[Sign up for free](#) to join this conversation on **GitHub**. Already have an account? [Sign in to comment](#)

## Metadata

### Assignees

No one assigned

---

### Labels

No labels

---

### Projects

No projects

---

### Milestone

No milestone

---

### Relationships

None yet

---

### Development

No branches or pull requests

---

### Participants

