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# DSAI-Cline Remote Code Execution Vulnerability #9

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Secsys-FDU opened 3 days ago

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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.

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## Metadata

### Assignees

No one assigned

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### Labels

No labels

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### Projects

No projects

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### Milestone

No milestone

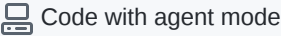

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### Relationships

None yet

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### Development

 Code with agent mode 

No branches or pull requests

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### Participants

