



[master](#) [Disclosures](#) / CVE-2020-14031-Arbitrary File Delete-Ozeki SMS Gateway / DrunkenShells Ozeki Disclosure ...on Sep 18, 2020 [History](#)

..

 Deletion Start.png	2 years ago
 Memory Spike.png	2 years ago
 README.md	2 years ago
 Result.png	2 years ago
 Web View.png	2 years ago

 README.md

CVE-2020-14031: Ozeki SMS Gateway Arbitrary File Delete in the "TXT" Module

In Ozeki SMS Gateway software, versions 4.17.6 and below, the "outbox" functionality of the TXT module can be used to delete all/most files in a folder.

Because Ozeki runs as "NT Authority\System" the only files that will not be deleted will be files that are currently being run by the system and/or files that have specific "security attributes" (Ex. Windows Defender files).

This delete functionality can be used to remove important files from different, the most notable of which are:

Folder	Impact
"C:\Windows\"	And subfolders Can be used to delete important system resources, EXEs, DLLs, config files, etc. that may result in an OS level Denial of Service.
The "Ozeki" folder	Can be used to delete: <ul style="list-style-type: none">- user config files which will result in users not being able to login when Ozeki restarts- deletion of DLL necessary for Ozeki to start or run services/modules
User files	Can be used to delete user important files such as "Desktop", "Documents", etc. which may result a decrease in productivity, the loss of sensitive personal and/or business materials.

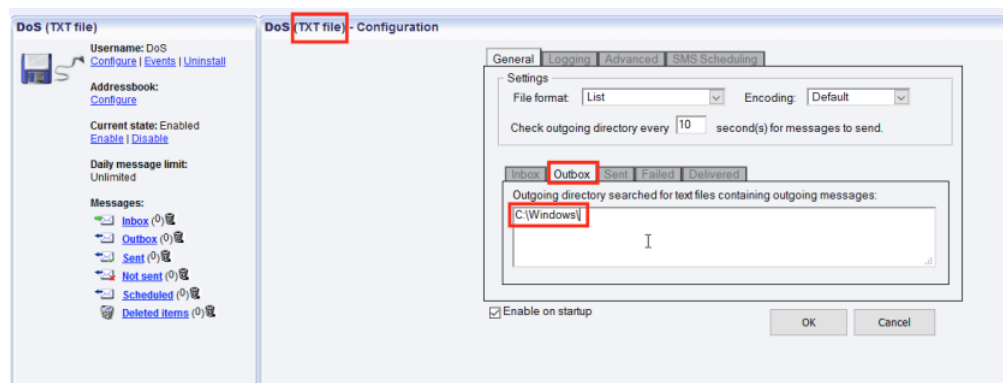
Requirements:

This vulnerability requires:

- Access to an Ozeki Web Application administration interface with rights to create/modify the "outbox" location of a "TXT" Module

Proof Of Concept:

First, we point the TXT "outbox" to a folder from which we want to delete files (Ex. "C:\Windows"):



We can notice 2 things almost immediately as this happens:

- Unusual ".sending" files appear as files are getting deleted:

