# CWE Detail – CWE-58

## Description

The product contains a protection mechanism that restricts access to a long filename on a Windows operating system, but it does not properly restrict access to the equivalent short "8.3" filename.

## Extended Description

On later Windows operating systems, a file can have a "long name" and a short name that is compatible with older Windows file systems, with up to 8 characters in the filename and 3 characters for the extension. These "8.3" filenames, therefore, act as an alternate name for files with long names, so they are useful pathname equivalence manipulations.

## Threat-Mapped Scoring

Score: 0.0

Priority: Unclassified

## Observed Examples (CVEs)

**•** CVE-1999-0012: Multiple web servers allow restriction bypass using 8.3 names instead of long names

**•** CVE-2001-0795: Source code disclosure using 8.3 file name.

**•** CVE-2005-0471: Multi-Factor Vulnerability. Product generates temporary filenames using long filenames, which become predictable in 8.3 format.

## Modes of Introduction

**•** Implementation: N/A

## Common Consequences

**•** Impact: Read Files or Directories, Modify Files or Directories — Notes:

## Potential Mitigations

**•** System Configuration: Disable Windows from supporting 8.3 filenames by editing the Windows registry. Preventing 8.3 filenames will not remove previously generated 8.3 filenames. (Effectiveness: N/A)

## Applicable Platforms

**•** None (Class: Not Language-Specific, Prevalence: Undetermined)

## Notes

**•** Research Gap: Probably under-studied.