# CWE Detail – CWE-576

## Description

The product violates the Enterprise JavaBeans (EJB) specification by using the java.io package.

## Extended Description

The Enterprise JavaBeans specification requires that every bean provider follow a set of programming guidelines designed to ensure that the bean will be portable and behave consistently in any EJB container. In this case, the product violates the following EJB guideline: "An enterprise bean must not use the java.io package to attempt to access files and directories in the file system." The specification justifies this requirement in the following way: "The file system APIs are not well-suited for business components to access data. Business components should use a resource manager API, such as JDBC, to store data."

## Threat-Mapped Scoring

Score: 1.8

Priority: P4 - Informational (Low)

## Modes of Introduction

**•** Implementation: N/A

## Common Consequences

**•** Impact: Quality Degradation — Notes:

## Potential Mitigations

**•** Implementation: Do not use Java I/O when writing EJBs. (Effectiveness: N/A)

## Applicable Platforms

**•** Java (Class: None, Prevalence: Undetermined)

## Demonstrative Examples

**•** This use of the Java I/O API within any kind of Enterprise JavaBean violates the EJB specification by using the java.io package for accessing files within the local filesystem.