# CWE Detail – CWE-688

## Description

The product calls a function, procedure, or routine, but the caller specifies the wrong variable or reference as one of the arguments, which may lead to undefined behavior and resultant weaknesses.

## Extended Description

N/A

## Threat-Mapped Scoring

Score: 0.0

Priority: Unclassified

## Observed Examples (CVEs)

**•** CVE-2005-2548: Kernel code specifies the wrong variable in first argument, leading to resultant NULL pointer dereference.

## Modes of Introduction

**•** Implementation: This problem typically occurs when the programmer makes a typo, or copy and paste errors.

## Common Consequences

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

## Potential Mitigations

**•** Testing: Because this function call often produces incorrect behavior it will usually be detected during testing or normal operation of the product. During testing exercise all possible control paths will typically expose this weakness except in rare cases when the incorrect function call accidentally produces the correct results or if the provided argument type is very similar to the expected argument type. (Effectiveness: N/A)

## Applicable Platforms

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

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

## Demonstrative Examples

**•** N/A