# CWE Detail – CWE-436

## Description

Product A handles inputs or steps differently than Product B, which causes A to perform incorrect actions based on its perception of B's state.

## Extended Description

This is generally found in proxies, firewalls, anti-virus software, and other intermediary devices that monitor, allow, deny, or modify traffic based on how the client or server is expected to behave.

## Threat-Mapped Scoring

Score: 1.8

Priority: P4 - Informational (Low)

## Observed Examples (CVEs)

**•** CVE-2005-1215: Bypass filters or poison web cache using requests with multiple Content-Length headers, a non-standard behavior.

**•** CVE-2002-0485: Anti-virus product allows bypass via Content-Type and Content-Disposition headers that are mixed case, which are still processed by some clients.

**•** CVE-2002-1978: FTP clients sending a command with "PASV" in the argument can cause firewalls to misinterpret the server's error as a valid response, allowing filter bypass.

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**•** CVE-2002-0637: Virus product bypass with spaces between MIME header fields and the ":" separator, a non-standard message that is accepted by some clients.

**•** CVE-2002-1777: AV product detection bypass using inconsistency manipulation (file extension in MIME Content-Type vs. Content-Disposition field).

**•** CVE-2005-3310: CMS system allows uploads of files with GIF/JPG extensions, but if they contain HTML, Internet Explorer renders them as HTML instead of images.

**•** CVE-2005-4260: Interpretation conflict allows XSS via invalid "<" when a ">" is expected, which is treated as ">" by many web browsers.

**•** CVE-2005-4080: Interpretation conflict (non-standard behavior) enables XSS because browser ignores invalid characters in the middle of tags.

## Related Attack Patterns (CAPEC)

* CAPEC-105
* CAPEC-273
* CAPEC-34

## Modes of Introduction

**•** Architecture and Design: N/A

**•** Implementation: N/A

## Common Consequences

**•** Impact: Unexpected State, Varies by Context — Notes:

## Applicable Platforms

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

## Demonstrative Examples

**•** N/A

**•** N/A