# CWE Detail – CWE-495

## Description

The product has a method that is declared public, but returns a reference to a private data structure, which could then be modified in unexpected ways.

## Extended Description

N/A

## Threat-Mapped Scoring

Score: 0.0

Priority: Unclassified

## Modes of Introduction

**•** Implementation: N/A

## Common Consequences

**•** Impact: Modify Application Data — Notes: The contents of the data structure can be modified from outside the intended scope.

## Potential Mitigations

**•** Implementation: Declare the method private. (Effectiveness: N/A)

**•** Implementation: Clone the member data and keep an unmodified version of the data private to the object. (Effectiveness: N/A)

**•** Implementation: Use public setter methods that govern how a private member can be modified. (Effectiveness: N/A)

## Applicable Platforms

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

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

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

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

## Demonstrative Examples

**•** N/A

**•** N/A