# CWE Detail – CWE-1392

## Description

The product uses default credentials (such as passwords or cryptographic keys) for potentially critical functionality.

## Extended Description

It is common practice for products to be designed to use
 default keys, passwords, or other mechanisms for
 authentication. The rationale is to simplify the
 manufacturing process or the system administrator's task of
 installation and deployment into an enterprise. However, if
 admins do not change the defaults, it is easier for attackers
 to bypass authentication quickly across multiple
 organizations.

## Threat-Mapped Scoring

Score: 0.0

Priority: Unclassified

## Observed Examples (CVEs)

**•** CVE-2022-30270: Remote Terminal Unit (RTU) uses default credentials for some SSH accounts

**•** CVE-2021-41192: data visualization/sharing package uses default secret keys or cookie values if they are not specified in environment variables

**•** CVE-2021-38759: microcontroller board has default password

**•** CVE-2018-3825: cloud cluster management product has a default master encryption key

**•** CVE-2010-2306: Intrusion Detection System (IDS) uses the same static, private SSL keys for multiple devices and installations, allowing decryption of SSL traffic

## Modes of Introduction

**•** Architecture and Design: N/A

## Common Consequences

**•** Impact: Gain Privileges or Assume Identity — Notes:

## Potential Mitigations

**•** Requirements: Prohibit use of default, hard-coded, or other values that do not vary for each installation of the product - especially for separate organizations. (Effectiveness: High)

**•** Architecture and Design: Force the administrator to change the credential upon installation. (Effectiveness: High)

**•** Installation: The product administrator could change the defaults upon installation or during operation. (Effectiveness: Moderate)

## Applicable Platforms

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

## Demonstrative Examples

**•** At least one OT product used default credentials.