Intel Cloud Integrity Technology 3.0

**Password Vault**

# Background

Many applications need to store at least one password. The password vault feature provides common functionality to support this.

# Architecture

## mtwilson-util-crypto-key

This utility project includes a keystore package with a PasswordKeyStore class that inherits from AbstractKeyStore and wraps the Java KeyStore with a simplified API.

## mtwilson-core-password-vault

This core project includes a PasswordVault setup task and a PasswordVaultFactory which can instantiate a PasswordKeyStore based on the application configuration (see mtwilson-core-configuration).

# Development

## Code Example - Application Password Vault

try(PasswordKeyStore passwordVault = PasswordVaultFactory.getPasswordKeyStore()) {

for(String alias : passwordVault.aliases()) {

Password password = passwordVault.get(alias);

}

}