

# NLock Release Presentation

Location	: Neurotechnology Lab (Private) Limited - [Online]
Topic	: NLock Presentation
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Product version	: v1.2 Beta

# Introduction

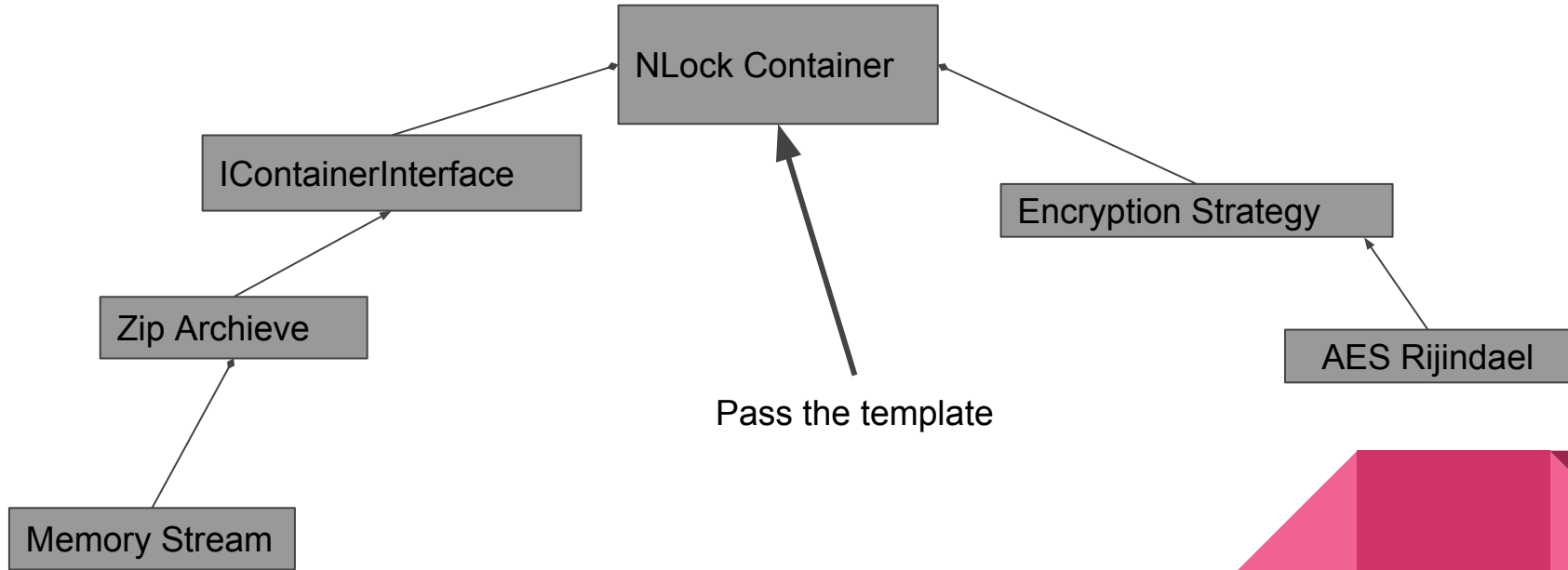
Simple file locker

NLock is capable of locking your computer files and uses face biometric modality.



# Architecture

## High Level Architecture



# Concept

Locking

$$\text{Part1} = E_{(\text{template})}(\text{content})$$

$$\text{Part2} = E_{(\text{part1})}(\text{template})$$

$$\text{File} = \text{Part1} + \text{Part2}$$



# Concept

Unlocking

Part1 and Part2

template =  $D_{(\text{Part1})}(\text{Part2})$

Verification

content =  $D_{(\text{template})}(\text{Part1})$



# Benefits

- No password based encryption weaknesses
  - People use passwords that they can easily remember.
  - Passcode can be used by another person.
- Integrated compression capabilities.
- NLock shows how easy is to integrate Neurotechnology VeriLook SDK.
- NLock shows how fast the VeriLook SDK works and its capabilities.
- Password based fallback option
- Windows integration



# Examples

- Original NPointer.zip - 1.85 MB    NPointer.nlk - 1.89 MB
- xampp-win32-5.5.30-7-VC11-installer.exe - 105 MB    xampp-win32-5.5.30-7-VC11-installer.nlk - 104 MB



NLock is a simple start of a journey for biometric encryption as a simple example of using Neurotechnology SDK.





Questions ?



Thank you..

