

# WiiU Title Formats

## Overview

WiiU titles come in a variety of formats, this is a list of most common to least common formats and its pros and cons

## RAW

- Otherwise known as Loadline, Unpacked or CCM (Code Content Meta)
- Contains the literal raw files for the game
- Pros
  - Excellent for Cemu and other Emulators
  - Handy for direct file modding or investigation
- Cons
  - Due to how Updates are stored in a WUP, some files are not unpacked. This is only important if you are re-packing a RAW format update into a WUP

## WUP

- This is a **WiiU Package**
- Known within this Wiki as "Encrypted NUS Content"
- The content files are encrypted with AES-CBC (128 bit)
  - *[Details about the encryption here]*
- Files included in a WUP are
  - tmd or title.tmd
    - This is the titles metadata
  - cetsk or title.tik
    - This is the installation "ticket". it also contains the encrypted "title key" for the title
  - cetsk or title.cert
    - This is the certificate
  - \*.h3
    - These contain hashes for the app files
    - They only exist when the app file is over a certain size.
    - They share filenames with the app files
  - (no extension) or \*.app
    - These files contain the raw files in encrypted binary
  - Pros
    - Probably the best archival format due to it being installable to WiiUs AND being easily unpacked into RAW files
  - Cons

- Due to the encryption it does not compress well

## WUD

- This is a **WiiU Disc** image
- It is a 1:1 disc dump of the game
- Will be about 25GB in size

## WUX

- A compressed WUD

---

Revision #8

Created 7 June 2021 03:42:42 by Admin

Updated 10 June 2021 12:36:08 by Admin