

# READ\_ME

## Uran\_OS - version 1.0

- **Operating System based on x86**
  - 32bit to train the concept of Operating System
  - Portable microkernel-based multiserver OS designed from Assembly and C language
- The UranOS developed by Chan hee Yi (Republic of Korea)
- You can learn how I develop the OS on here
  - If you want reading in English, you must translate Korean to English
- Each folder's name is some kind of version of the OS.
- So the more higher, the better OS implemented.
- Here is the list of each folder and some description about them.

### You Can Download This Image & Iso File

[haribote.img](#)

haribote.iso

## How to install

- This OS is develop based on BSD (haribote OS) so this system using FAT-12 file system
- Read Hard disk by CHS logic (Cylinder Head Sector)

### Install to run in Qemu

- You make or create folder named by OS in C drive then, copy & paste folder
- then, you can running
  - if you computer is Windows 9x & DOS version, must run **!cons\_9x.bat file**
  - if you computer is Windows other version (since NT version) must run **!cons\_nt.bat file**
  - **make run** command is automatically build and running OS
- **But it doesn't matter use VMware**
  - If running UranOS in VMware must have haribote.iso or haribote.img file

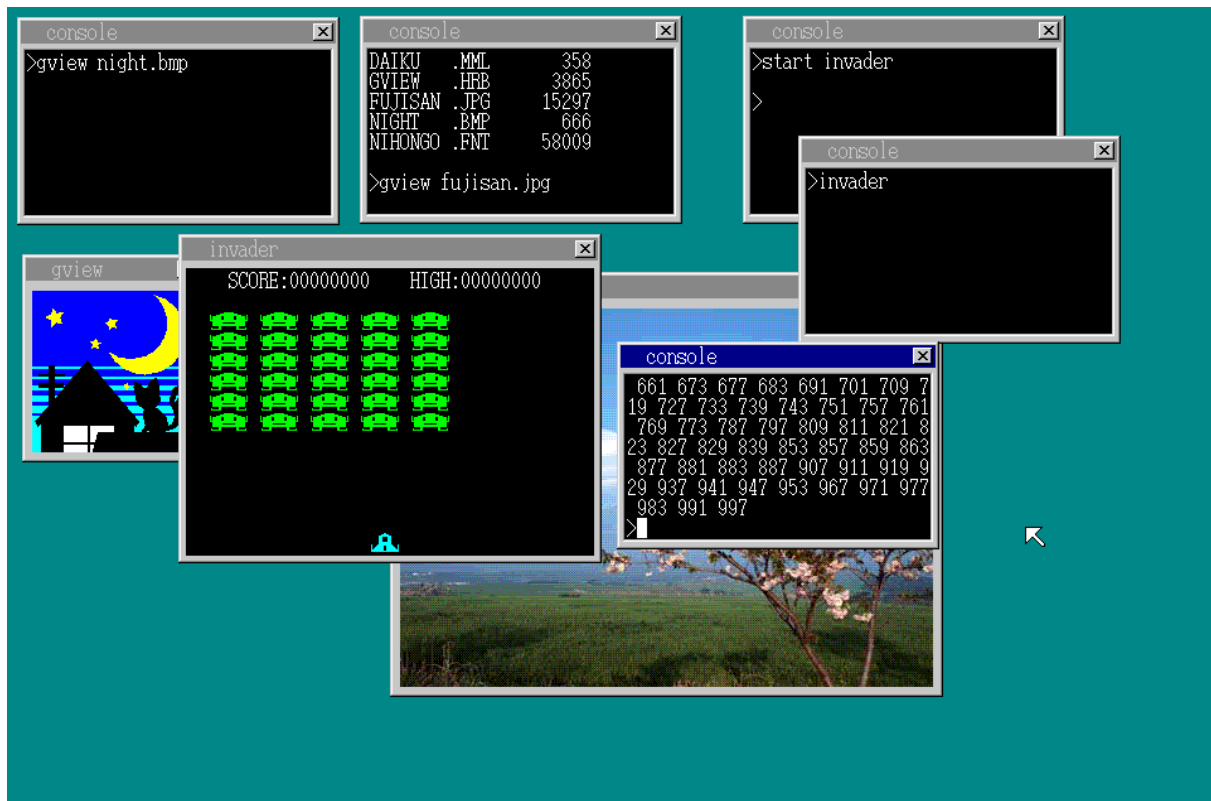
## 1. Qemu - execute OS

```
make run
```

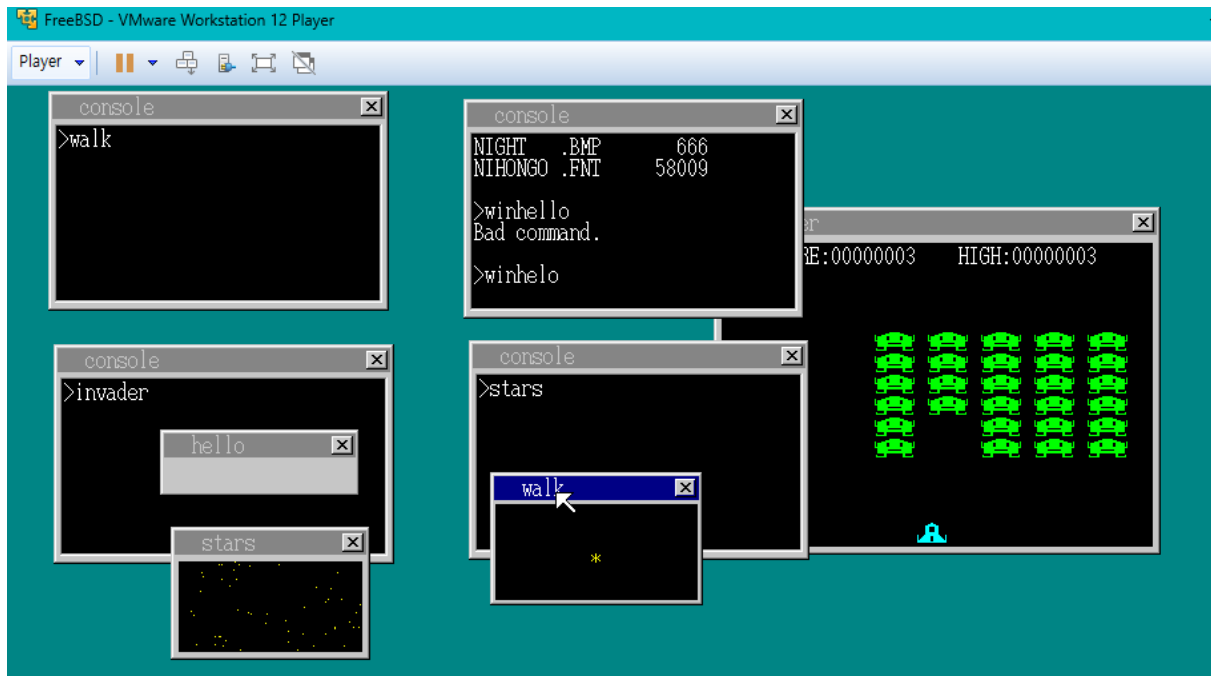
### **!cons\_xx.bat** command

- You running the **!cons\_xx.bat** file, you see the console window
- this is console command list
- If you using command, you can using make.exe
  - because this system is used Open Source named by make.exe to loading Windows OS

```
make run : running this OS
make install : install this OS -> support Free-Dos version de
make src_only : Leave only the original file
make clean : delete all files
```

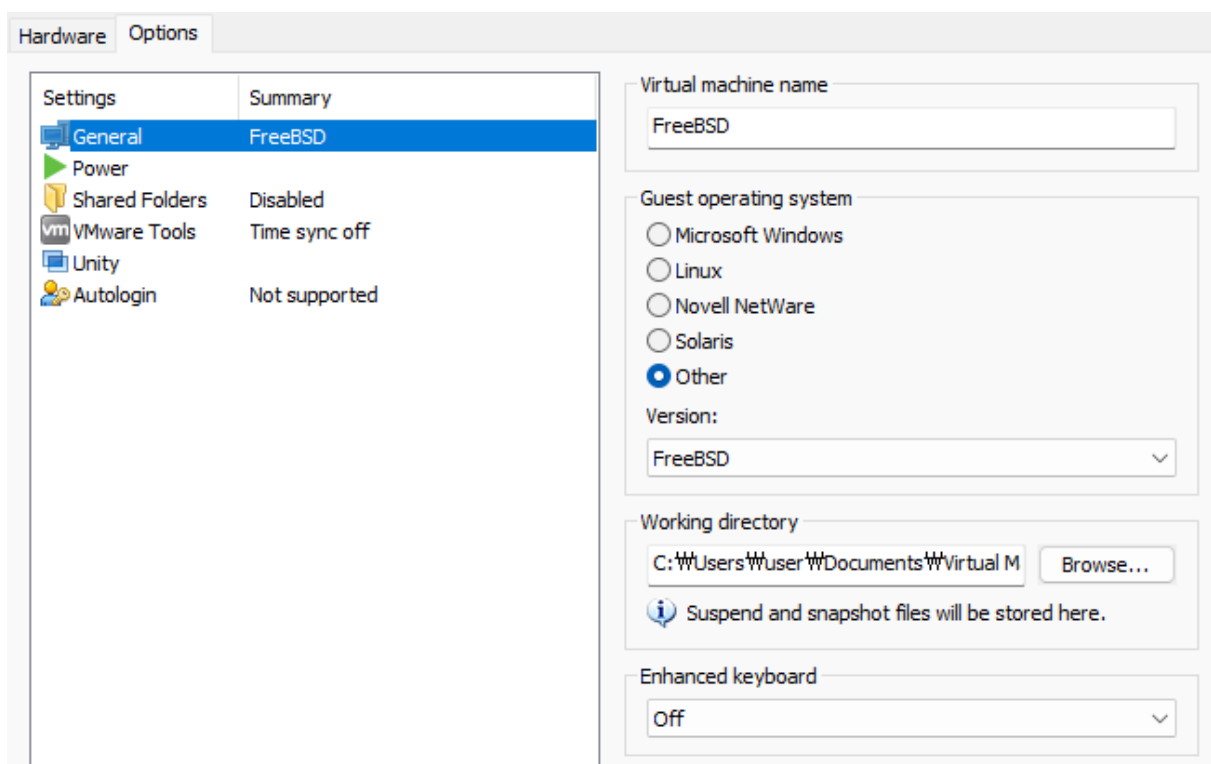


## 2. VMware - execute OS



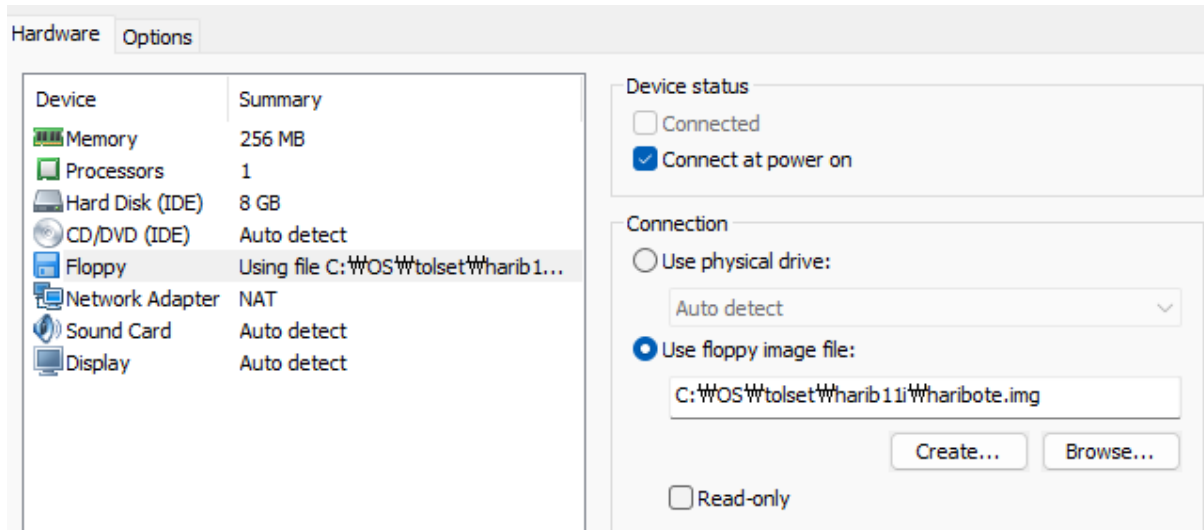
Need to haribote.iso file or haribote.img

haribote.iso file



- You selected OS type of Free BSD
- Please fill in the path where the iso file is located

## haribote.img file



- You selected Hardware Floppy disk
- Please fill in the path where the iso file is located

## Running the OS

### Haribote.iso & Haridote.img

- When you get the command line back, there should be a **haribote.iso** or **haribote.img** file in the C drive. If you have QEMU, you should be able to start UranOS by running :
- Now Uran OS should automatically start building.

### !cons\_xx.bat (09 and NT)

```
make run
```

## UranOS Command Line

### dir

- Showing all directory
- In Linux, instead **ls -al** command

## mem

- Displays the current memory state in OS

## cls

- clear screen
- In Linux, instead **clear** command

## start

- start api modules
- In Linux, same of **execute directory**

## exit

- exit process
  - In Linux, same of **ctrl+c or quit** command
- 

# API List in UranOS

## gview

- Can see the Graphic file → png, jpg, bmp, etc..

```
gview (file name.extention name(png, jpg...))
```

## tview

- Can see the text file

```
tview (file name.txt) -w(weight) -h(height)
```

## Clac

- Calculator program

```
clac (equation)
```

## bball

- That means beautiful ball
- Drawing a ball with a line

## **Invader**

- You can play the Galag game
- Arrow to move, Attack is space key

## **mmlplay.daigo.mml**

- Mml player in UranOS

## **Stars**

- Showing stars in console window

## **Lines**

- Showing lines in new window

## **Sosu**

- It represents prime numbers from 1 to 100
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# **License**

- UranOS is open source, free software
  - Its source code is available under the BSD
  - license Some third party components are licensed under the GPL
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