# Warehouse File Format

A warehouse file contains the following structures:

### Container

uint16Widthuint16Lengthuint16?HeightstringName

uint32? MaxWeight uint32? TareWeight

Array of Rack Racks

#### Rack

uint16 Width uint16 Length uint16? Height string Name

uint32? MaxWeight Array of Placement Placements

# **Placements**

uint16 X uint16 Y

uint8 ContentType

1 for Container

2 for Item 3 for Packet

<content type> Content

## **Item**

uint16Widthuint16Lengthuint16Height

string CatalogNumber string SerialNumber

uint32 Weight

### **Packet**

uint16 Width uint16 Length Height

string CatalogNumber uint16 Capacity uint32 ItemWeight Quantity

# The encoded types are:

uint8 1-byte unsigned integer uint16 2-byte unsigned integer uint32 4-byte unsigned integer uint16? 2-byte unsigned integer or 0xFFFF as null uint32? 4-byte unsigned integer or 0xFFFFFFF as null string uint16 size <size> bytes of utf-8 encoded string Array of <type> uint16 count <count> repetitions of <type>

The file starts with a Content of a Container, i.e.:

uint8 ContentType = 1 (Container)

Container Content