Boot Class Hash Table

| HashEntry *hash_table; |
| int hash_size; |
| int hash_count; |
| VMLock lock; |

...	...
hash(classname)	void *data;
...	...

class object (cc.ybin.Demo)

| uintptr_t lock; |
| Class *class; |
| u1 state; |
| u2 access_flags; |
| u2 declaring_class; |
| u2 enclosing_class; |
| u2 enclosing_method; |
| u2 inner_access_flags; |
| u2 fields_count; |
| u2 methods_count; |
| u2 interfaces_count; |
| u2 inner_class_count; |
| u2 constant_pool_count; |
| int object_size; |
| int method_table_size; |
| int imethod_table_size; |
| int initing_tid; |
| char *name; |
| char *signature; |
| char *source_file_name; |
| Class *super; |
| Class **interfaces; |
| ITableEntry *imethod_table; |
| MethodBlock **method_table; |
| char *bootstrap_methods; |
| ExtraAttributes *extra_attributes; |
| ConstantPool constant_pool; |

int dimension;	u2 *inner_classes;
	MethodBlock *methods;
	FieldBlock *fields;
Class *element_class;	int refs_offsets_size;
	RefsOffsetsEntry * refs_offsets_table;

object header

class object (java.lang.Class)

| uintptr_t lock; |
| Class *class; (NULL) |
| ...... |

class object (java.lang.Object)

| uintptr_t lock; |
| Class *class; |
| ...... |

class object (cc.ybin.IDemo)

| uintptr_t lock; |
| Class *class; |
| ...... |

FieldBlock

| Class *class; |
| char *name; |
| char *type; |
| char *signature; |
| u2 access_flags; |
| u2 constant; |
| char data[8]; or offset |

MethodBlock

| Class *clas; |
| char *name; |
| char *type; |
| char *signature; |
| u1 state; |
| u1 flags; |
| u2 access_flags; |
| u2 max_stack; |
| u2 max_locals; |
| u2 args_count; |
| u2 throw_table_size; |
| u2 *throw_table; |
| void *code; |
| int code_size; |
| int method_table_index; |

u2 exception_table_size;	char *simple_sig;
u2 line_no_table_size;	
ExceptionTableEntry * exception_table;	int native_extra_arg;
LineNoTableEntry * line_no_table;	NativeMethod native_invoker;

ConstantPool

| volatile u1 *type; |
| ConstantPoolEntry *info; |

| MethodBlock | MethodBlock | ... |
| 0 | 1 | 2 |

| FieldBlock | FieldBlock | FieldBlock | FieldBlock | ... |
| 0 | 1 | 2 | 3 | 4 |