

HardBlocks

COLLABORATORS

	<i>TITLE :</i> HardBlocks		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		July 22, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	HardBlocks	1
1.1	HardBlocks	1
1.2	TMP:Modula-2/HardBlocks.def	1

Chapter 1

HardBlocks

1.1 HardBlocks

Konstanten

badBlock	fileSysHeader	loadSeg
locationLimit	nil	partition
rigidDisk		

Typ-Deklarationen

BadBlockBlock	BadBlockEntry	FileSysHeaderBlock
LoadSegBlock	PartitionBlock	PartitionFlagSet
PartitionFlags	RigidDiskBlock	RigidDiskFlagSet
RigidDiskFlags		

1.2 TMP:Modula-2/HardBlocks.def

```
DEFINITION MODULE HardBlocks; (*$ Implementation:=FALSE *)
(* 16-Apr-1992/cn *)
```

```
FROM SYSTEM IMPORT LONGSET;
```

```
CONST
  rigidDisk="RDSK";
  badBlock="BADB";
  partition="PART";
  fileSysHeader="FSDH";
  loadSeg="LSEG";
```

```
locationLimit=16;
nil=0FFFFFFFFH;
```

```
TYPE
  RigidDiskFlags = (
    last, lastLun, lastId, noReselect, diskId, ctrlId, synch, rdf7,
    rdf8, rdf9, rdf10, rdf11, rdf12, rdf13, rdf14, rdf15,
    rdf16
```

```

);
RigidDiskFlagSet =SET OF  RigidDiskFlags ;

RigidDiskBlock =RECORD
id:ARRAY [0..3] OF CHAR;
summedLongs:LONGCARD;
chkSum:LONGINT;
hostID:LONGCARD;
blockBytes:LONGCARD;
flags: RigidDiskFlagSet ;
badBlockList:LONGCARD;
partitionList:LONGCARD;
fileSysHeaderList:LONGCARD;
driveInit:LONGCARD;
reserved1:ARRAY [0..5] OF LONGCARD;
cylinders:LONGCARD;
sectors:LONGCARD;
heads:LONGCARD;
interleave:LONGCARD;
park:LONGCARD;
reserved2:ARRAY [0..2] OF LONGCARD;
writePreComp:LONGCARD;
reducedWrite:LONGCARD;
stepRate:LONGCARD;
reserved3:ARRAY [0..4] OF LONGCARD;
blocksLo:LONGCARD;
blocksHi:LONGCARD;
loCylinder:LONGCARD;
hiCylinder:LONGCARD;
cylBlocks:LONGCARD;
autoParkSeconds:LONGCARD;
reserved4:ARRAY [0..1] OF LONGCARD;
diskVendor:ARRAY [0..7] OF CHAR;
diskProduct:ARRAY [0..15] OF CHAR;
diskRevision:ARRAY [0..3] OF CHAR;
controllerVendor:ARRAY [0..7] OF CHAR;
controllerProduct:ARRAY [0..15] OF CHAR;
controllerRevision:ARRAY [0..3] OF CHAR;
reserved5:ARRAY [0..9] OF LONGCARD;
END;

BadBlockEntry =RECORD
badBlock:LONGCARD;
goodBlock:LONGCARD;
END;

BadBlockBlock =RECORD
id:ARRAY [0..3] OF CHAR;
summedLongs:LONGCARD;
chkSum:LONGINT;
hostId:LONGCARD;
next:LONGCARD;
reserved:LONGCARD;
blockPairs:ARRAY [0..60] OF  BadBlockEntry ;
END;

PartitionFlags =(
bootable,noMount,pf2,pf3,pf4,pf5,pf6,pf7,

```

```
pf8,pf9,pf10,pf11,pf12,pf13,pf14,pf15,
pf16
);
PartitionFlagSet =SET OF PartitionFlags ;
PartitionBlock =RECORD
id:ARRAY [0..3] OF CHAR;
summedLongs:LONGCARD;
chkSum:LONGINT;
hostID:LONGCARD;
next:LONGCARD;
flags: PartitionFlagSet ;
reserved1:ARRAY [0..1] OF LONGCARD;
devFlags:LONGSET;
driveName:ARRAY [0..31] OF CHAR;
reserved2:ARRAY [0..14] OF LONGCARD;
environment:ARRAY [0..16] OF LONGCARD;
ereserved:ARRAY [0..14] OF LONGCARD;
END;

FileSysHeaderBlock =RECORD
id:ARRAY [0..3] OF CHAR;
summedLongs:LONGCARD;
chkSum:LONGINT;
hostID:LONGCARD;
next:LONGCARD;
flags:LONGSET;
reserved1:ARRAY [0..1] OF LONGCARD;
dosType:LONGCARD;
version:LONGCARD;
patchFlags:LONGSET;
type:LONGCARD;
task:LONGCARD;
lock:LONGCARD;
handler:LONGCARD;
stackSize:LONGCARD;
priority:LONGINT;
startup:LONGINT;
segListBlocks:LONGINT;
globalVec:LONGINT;
reserved2:ARRAY [0..22] OF LONGCARD;
reserved3:ARRAY [0..20] OF LONGCARD;
END;

LoadSegBlock =RECORD
id:ARRAY [0..3] OF CHAR;
summedLongs:LONGCARD;
chkSum:LONGINT;
hostID:LONGCARD;
next:LONGCARD;
loadData:ARRAY [0..122] OF LONGCARD;
END;

END HardBlocks.noimp
```
