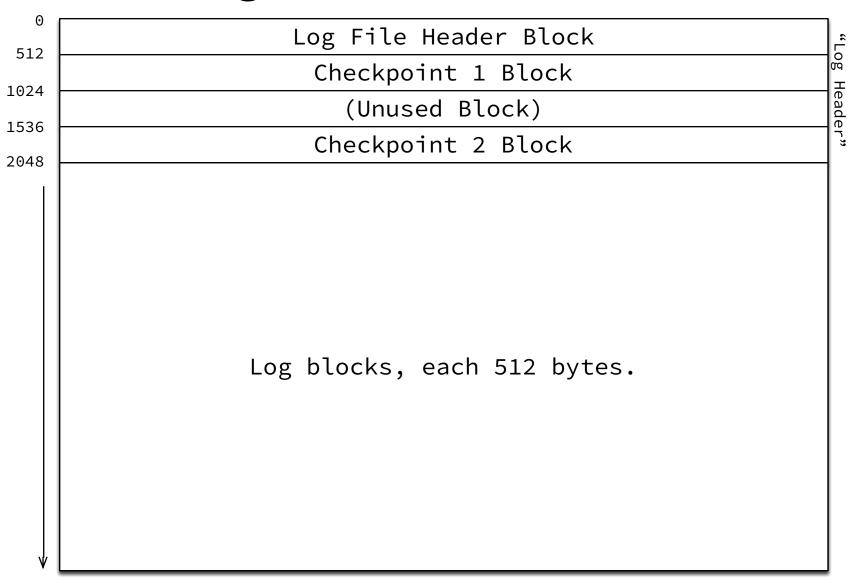
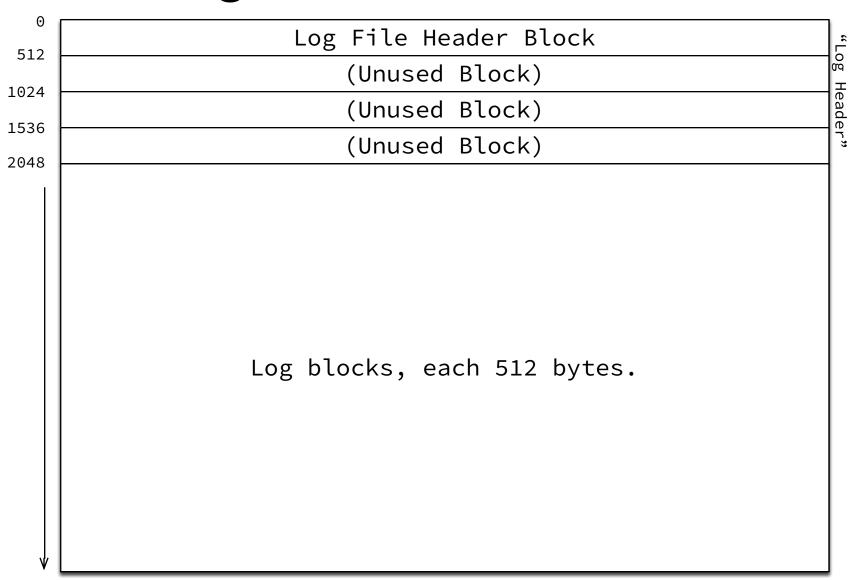
Log File 0 Overview



Log File 1+ Overview



Log Block

Flush Flag (1 bit) + Block Number (4) 12 Data Length (2) First Record Offset (2) Checkpoint Number (4) Log records of variable length. Total space available: 496 bytes. Checksum (4) 512

Log File Header

0	Log Group ID (4)
12	Start LSN (8)
	Log File Number (always 0) (4)
16 48	Created By (32)

Log Checkpoint

0	
0 8	Checkpoint Number (8)
	Checkpoint LSN (8)
16	Buffer Size (4)
20	Archived LSN (8)
28	Log Group Array (unused) (256)
284	Checksum 1 (4)
288	Checksum 2 (4)
292	FSP Free Limit (4)
296	FSP Magic Number (4)
300	

Log Record Overview

```
Single Record Flag (1 bit) + Type (1)
                      Space ID (4) †
5
                    Page Number (4) †
9
     Record payload, variable length based on type.
              (Some types have no payload.)
```

† Record types DUMMY_RECORD and MULTI_REC_END do not write Space ID or Page Number.

Log Record MLOG_nBYTE

MLOG_1BYTE, MLOG_2BYTE, MLOG_4BYTE

```
Single Record Flag (1 bit) + Type (1)
                         Space ID (4)
5
                       Page Number (4)
9
                       Page Offset (2)
11
                           Value (4)
15
```

Log Record MLOG_WRITE_STRING

```
Single Record Flag (1 bit) + Type (1)

Space ID (4)

Page Number (4)

String Length (2)

String Data (n)
```

Log Record MLOG_COMP_REC_INSERT

0				
1		Single Record Flag (1 bit) + Type (1)		
		Space ID (4)		
5		Page Number (4)		
9	Number of Columns (2)			
		Number of Unique Columns (2)		
13		Field Type Info (variable)		
		Previous Record Offset (2)		
		Record Length + Short Record Bit (1-5)		
	م بر	Record Info and Status Bits (1)		
	Short Record Info	Length of Record Header (1-5)		
		Mismatch Index (to previous record) (1-5)		
		Record Data (variable)		

Log Group Structure

