



DavisBase

Nano

Use Case

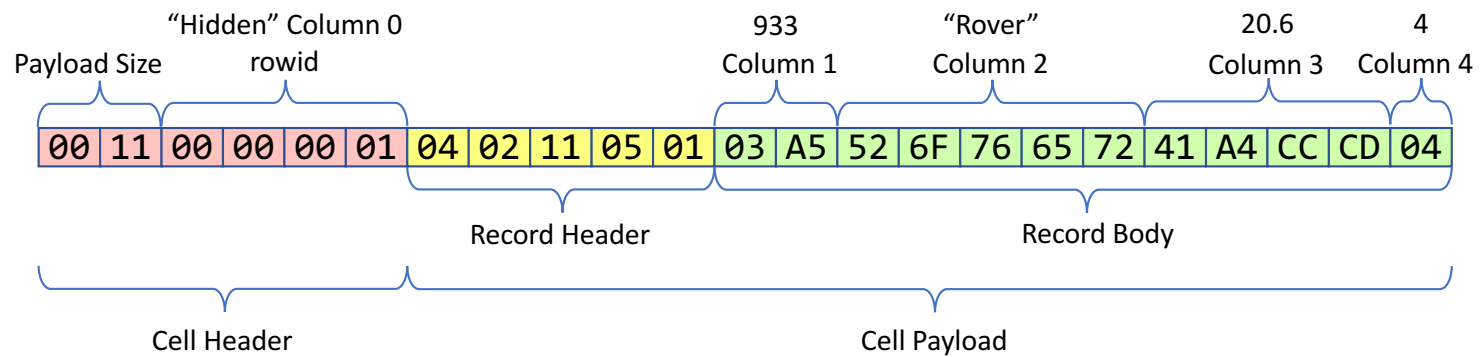
- Suppose we want to create a database table of individual dogs
- We have information about several dogs that is in a tabular format

Tag ID	Name	Weight (kg)	Age (years)
933	Rover	20.6	4
8326	Spot	10.8	7
5359	Lucky	31.2	5
10355	Dinky	4.8	11
7757	Bruiser	42.0	6
3597	Patch	29.6	9
202	Prince	16.6	7
1630	Bubbles	7.1	1
11223	Peanut	14.3	2

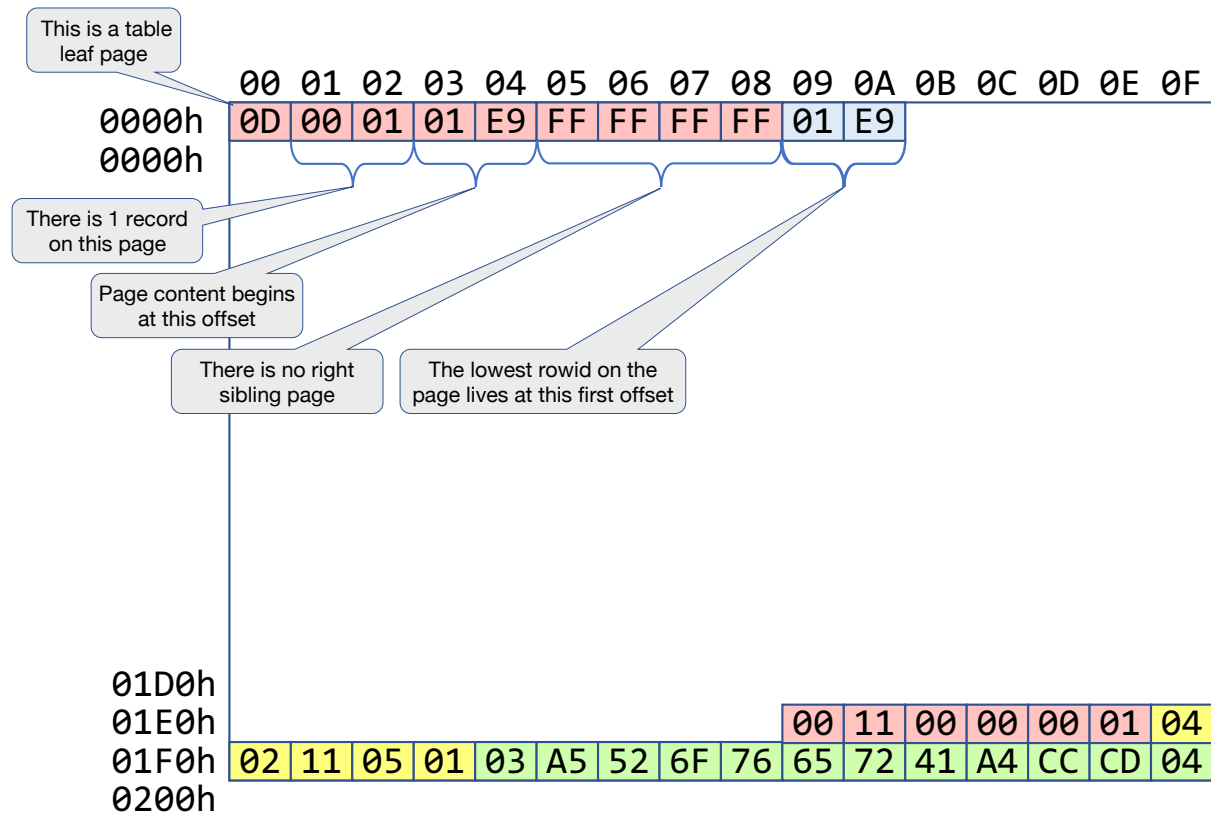
Database of Dogs

Tag ID	Name	Weight (kg)	Age (years)
933	Rover	20.6	4
8326	Spot	10.8	7
5359	Lucky	31.2	5
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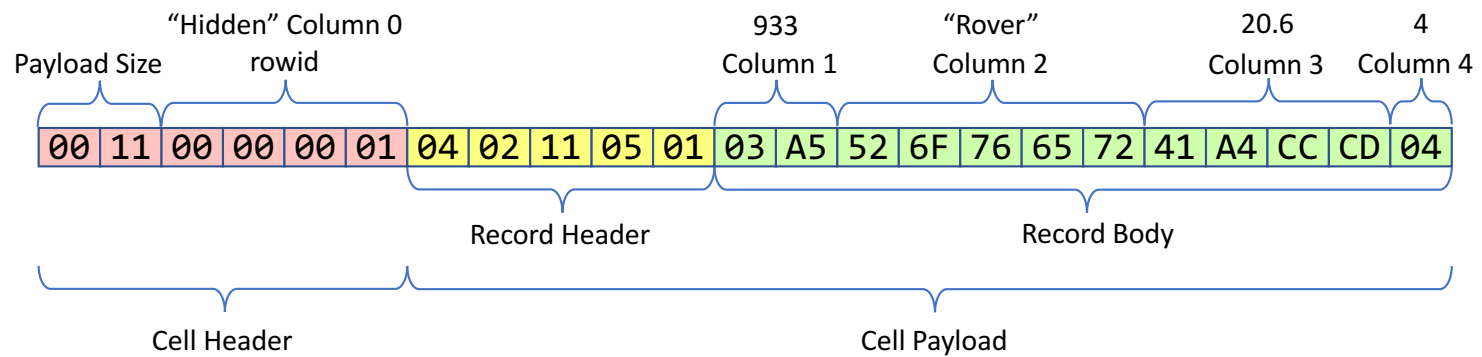
First Record Format Insert



How The Record Is Stored In A Table Leaf Page

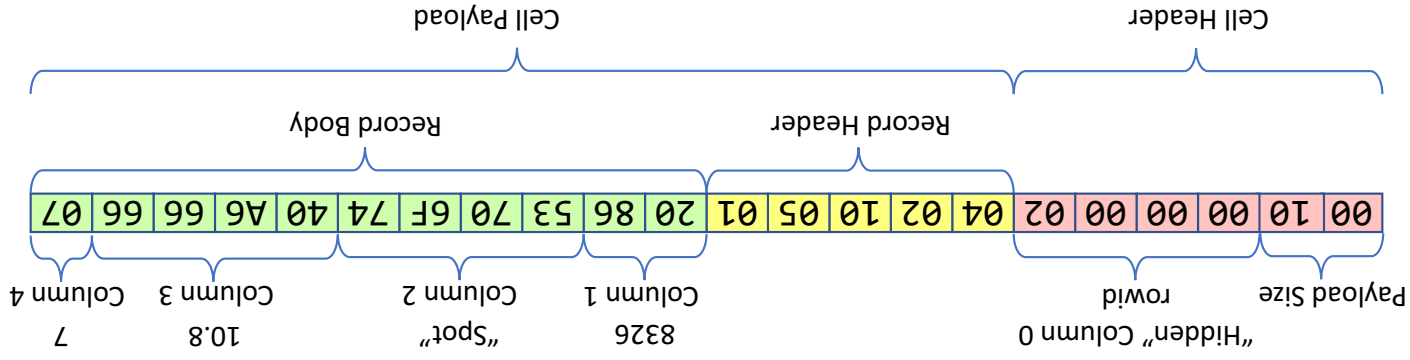


Insert First Record

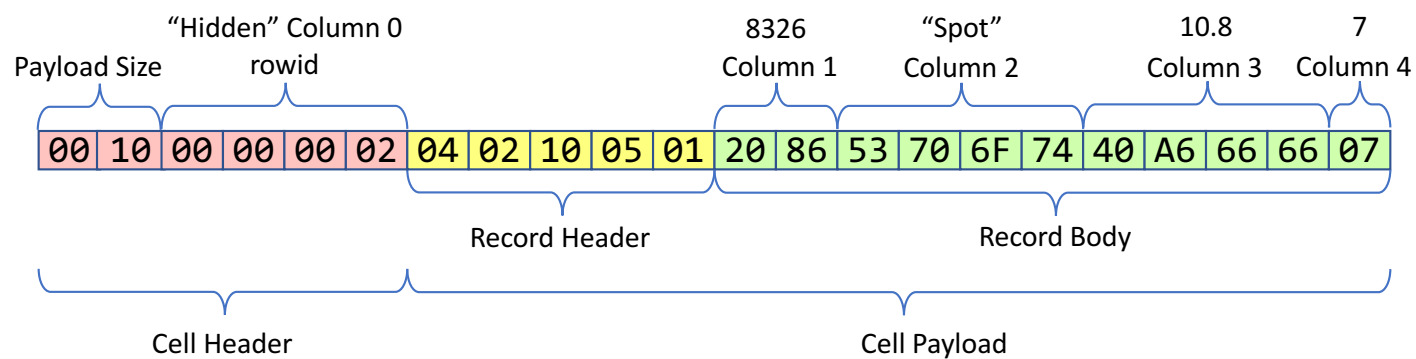


02	11	05	01	03	A5	52	6F	76	65	72	41	A4	CC	CD	04
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Second Record Format Insert

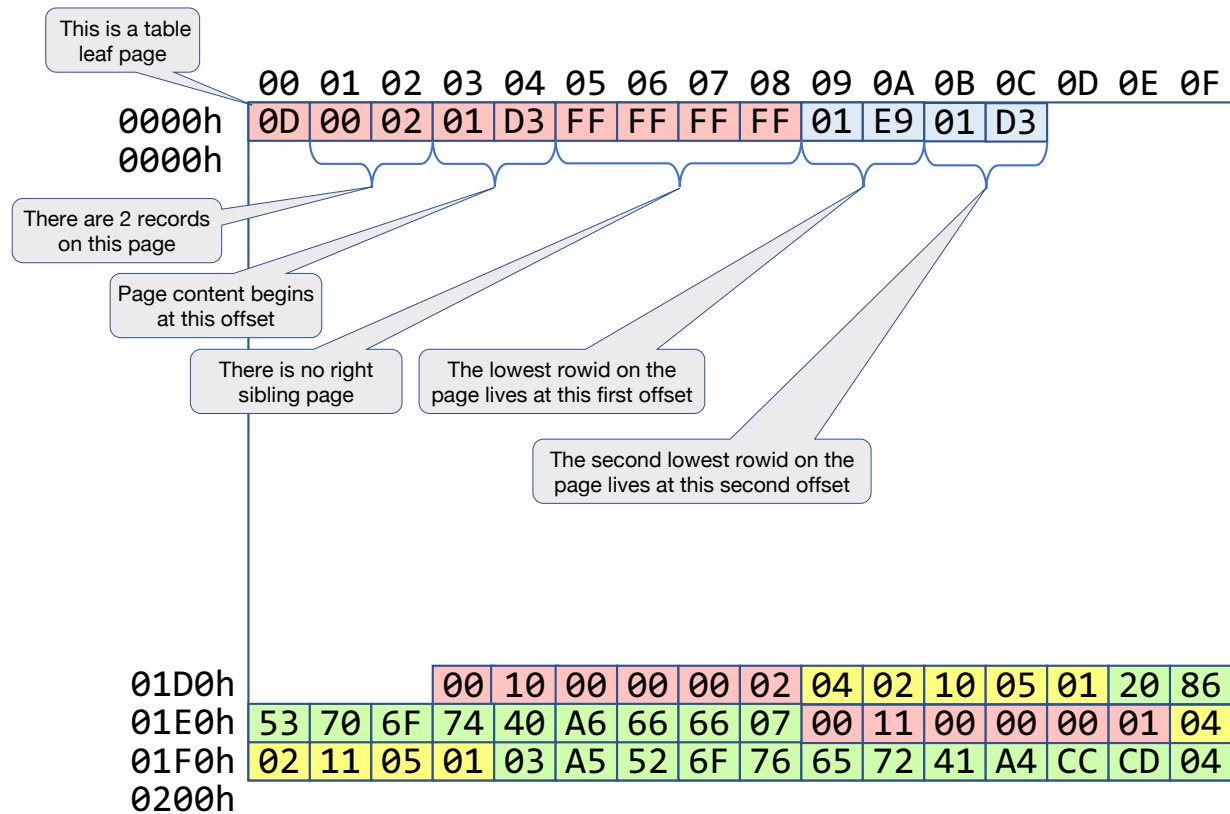


Insert



			00	10	00	00	00	02	04	02	10	05	01	20	86
53	70	6F	74	40	A6	66	66	07	00	11	00	00	00	01	04
02	11	05	01	03	A5	52	6F	76	65	72	41	A4	CC	CD	04

How The Second Record Is Stored In A Table Leaf Page



How The Second Record Is Stored In A Table Leaf Page

This is a table
leaf page

[illegible]

00000000	0d 00 04 01 aa ff ff ff ff	01 e9 01 d3 01 bd 01
00000010	aa 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00
00000020	14 ef 00 00 00 00 00 00	00 00 00 00 00 00 00 00
00000030	00 00 00 00 00 00 00 00	00 00 00 00 00 00 00 00
*			
000001a0	00 00 00 00 00 00 00 00	00 00 00 11 00 00 00 04
000001b0	28 73 44 69 6e 6b 79 40	99 99 9a 0b 00 11 00 00	(sDinky@.....
000001c0	00 03 04 02 11 05 01 14	ef 4c 75 63 6b 79 41 f9 LuckyA.
000001d0	99 9a 05 00 10 00 00 00	02 04 02 10 05 01 20 86
000001e0	53 70 6f 74 40 a6 66 66	07 00 11 00 00 00 01 04	Spot@.ff.....
000001f0	01 11 05 01 03 a5 52 6f	76 65 72 41 a4 cc cd 04RoverA....
00000200			

Record Insert: Table Page Overflow

