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CECS 378

Lab 2 - Malware

Finding the stats:

When I searched for the stats and items I primarily looked into the games save file. This save file would have all the information of the various levels of the different characters and items they have acquired in one file. When I used HexFiend, each character had their name close to their stats. This made it easy to determine where their stats were located. Once I knew where the main player stats were located, I simply changed the stats for the other characters in the appropriate spot. For items I checked the data underneath character stats and found data that closely matched with the items I already had. Since I had 2 keys, I was able to find the 2 keys in the data and changed the value to 100 alongside the value of gems which was right next to it.

Offsets:

* User stats: (SAVE.GAME)
* Strength: 0x0000000E
* Intelligence: 0x00000010
* Dexterity: 0x0000000F
* Health: 0x00000012, 0x00000013
* Max Health: 0x00000014, 0x00000015
* Experience: 0x00000016, 0x00000017
* Gold: 0x00000204, 0x00000205
* Shamino stats: (SAVE.GAME)
* Strength: 0x0000002E
* Intelligence: 0x00000030
* Dexterity: 0x0000002F
* Health: 0x00000032, 0x00000033
* Max Health: 0x00000034, 0x00000035
* Experience: 0x00000036, 0x00000037
* Iolo stats: (SAVE.GAME)
* Strength: 0x0000004E
* Intelligence: 0x00000050
* Dexterity: 0x0000004F
* Health: 0x00000052, 0x00000053
* Max Health: 0x00000054, 0x00000055
* Experience: 0x00000056, 0x00000057
* Mariah stats: (SAVE.GAME)
* Strength: 0x0000006E
* Intelligence: 0x00000070
* Dexterity: 0x0000006F
* Health: 0x00000072, 0x00000073
* Max Health: 0x00000074, 0x00000075
* Experience: 0x00000076, 0x00000077
* Geoffrey stats: (SAVE.GAME)
* Strength: 0x0000008E
* Intelligence: 0x00000090
* Dexterity: 0x0000008F
* Health: 0x00000092, 0x00000093
* Max Health: 0x00000094, 0x00000095
* Experience: 0x00000096, 0x00000097
* Jaana stats: (SAVE.GAME)
* Strength: 0x000000AE
* Intelligence: 0x000000B0
* Dexterity: 0x000000AF
* Health: 0x000000B2, 0x000000B3
* Max Health: 0x000000B4, 0x000000B5
* Experience: 0x000000B6, 0x000000B7
* Julia stats: (SAVE.GAME)
* Strength: 0x000000CE
* Intelligence: 0x000000D0
* Dexterity: 0x000000CF
* Health: 0x000000D2, 0x000000D3
* Max Health: 0x000000D4, 0x000000D5
* Experience: 0x000000D6, 0x000000D7
* Dupre stats: (SAVE.GAME)
* Strength: 0x000000EE
* Intelligence: 0x000000F0
* Dexterity: 0x000000EF
* Health: 0x000000F2, 0x000000F3
* Max Health: 0x000000F4, 0x000000F5
* Experience: 0x000000F6, 0x000000F7
* Katrina stats: (SAVE.GAME)
* Strength: 0x0000010E
* Intelligence: 0x00000110
* Dexterity: 0x0000010F
* Health: 0x00000112, 0x00000113
* Max Health: 0x00000114, 0x00000115
* Experience: 0x00000116, 0x00000117
* Sentri stats: (SAVE.GAME)
* Strength: 0x0000012E
* Intelligence: 0x00000130
* Dexterity: 0x0000012F
* Health: 0x00000132, 0x00000133
* Max Health: 0x00000134, 0x00000135
* Experience: 0x00000136, 0x00000137
* Gwenno stats: (SAVE.GAME)
* Strength: 0x0000014E
* Intelligence: 0x00000150
* Dexterity: 0x0000014F
* Health: 0x00000152, 0x00000153
* Max Health: 0x00000154, 0x00000155
* Experience: 0x00000156, 0x00000157
* Johne stats: (SAVE.GAME)
* Strength: 0x0000016E
* Intelligence: 0x00000170
* Dexterity: 0x0000016F
* Health: 0x00000172, 0x00000173
* Max Health: 0x00000174, 0x00000175
* Experience: 0x00000176, 0x00000177
* Gorn stats: (SAVE.GAME)
* Strength: 0x0000018E
* Intelligence: 0x00000190
* Dexterity: 0x0000018F
* Health: 0x00000192, 0x00000193
* Max Health: 0x00000194, 0x00000195
* Experience: 0x00000196, 0x00000197
* Maxwell stats: (SAVE.GAME)
* Strength: 0x000001AE
* Intelligence: 0x000001B0
* Dexterity: 0x000001AF
* Health: 0x000001B2, 0x000001B3
* Max Health: 0x000001B4, 0x000001B5
* Experience: 0x000001B6, 0x000001B7
* Toshi stats: (SAVE.GAME)
* Strength: 0x000001CE
* Intelligence: 0x000001D0
* Dexterity: 0x000001CF
* Health: 0x000001D2, 0x000001D3
* Max Health: 0x000001D4, 0x000001D5
* Experience: 0x000001D6, 0x000001D7
* Saudi stats: (SAVE.GAME)
* Strength: 0x000001EE
* Intelligence: 0x000001F0
* Dexterity: 0x000001EF
* Health: 0x000001F2, 0x000001F3
* Max Health: 0x000001F4, 0x000001F5
* Experience: 0x000001F6, 0x000001F7
* Keys: (SAVE.GAME)

0x00000206

* Skull Keys: (SAVE.GAME)

0x00000213

* Gems: (SAVE.GAME)

0x00000207

* Black Badges: (SAVE.GAME)

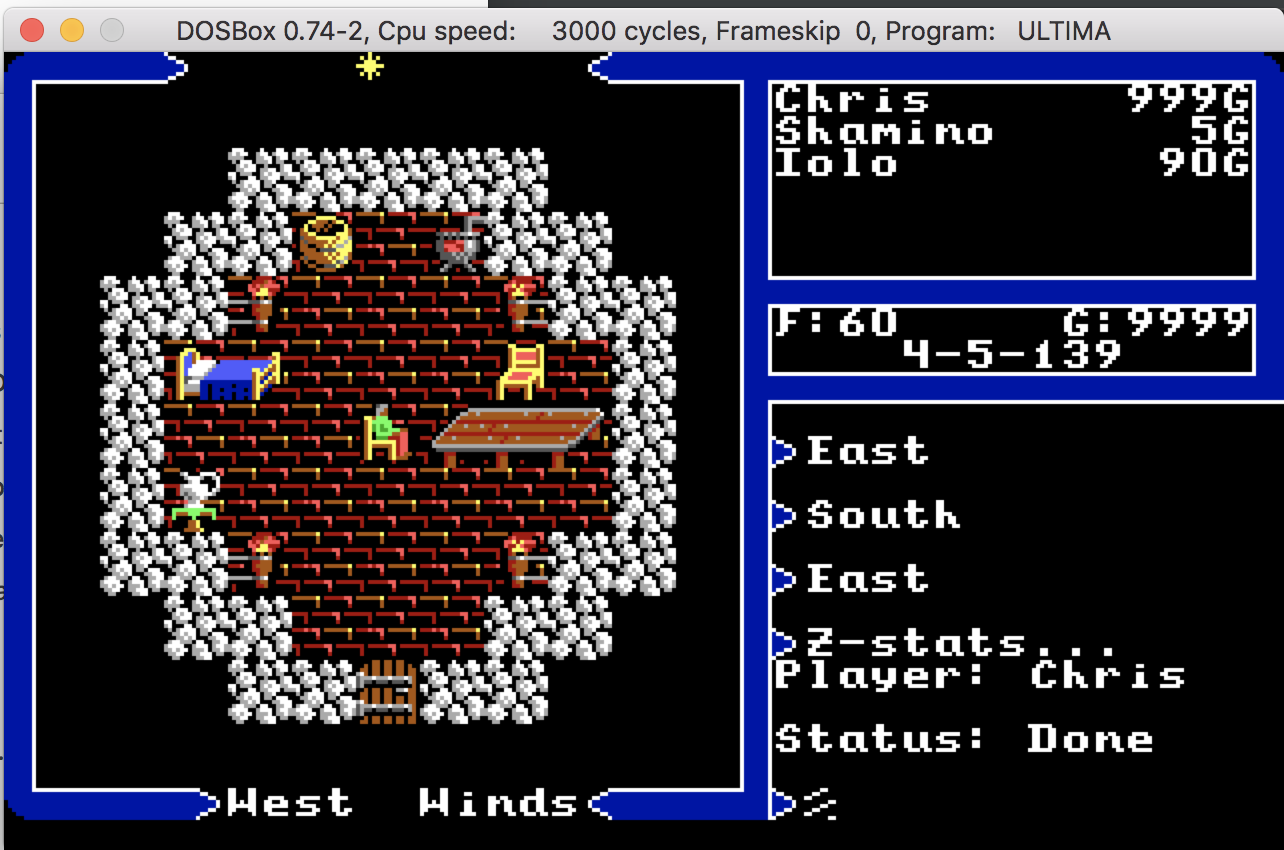
0x00000232

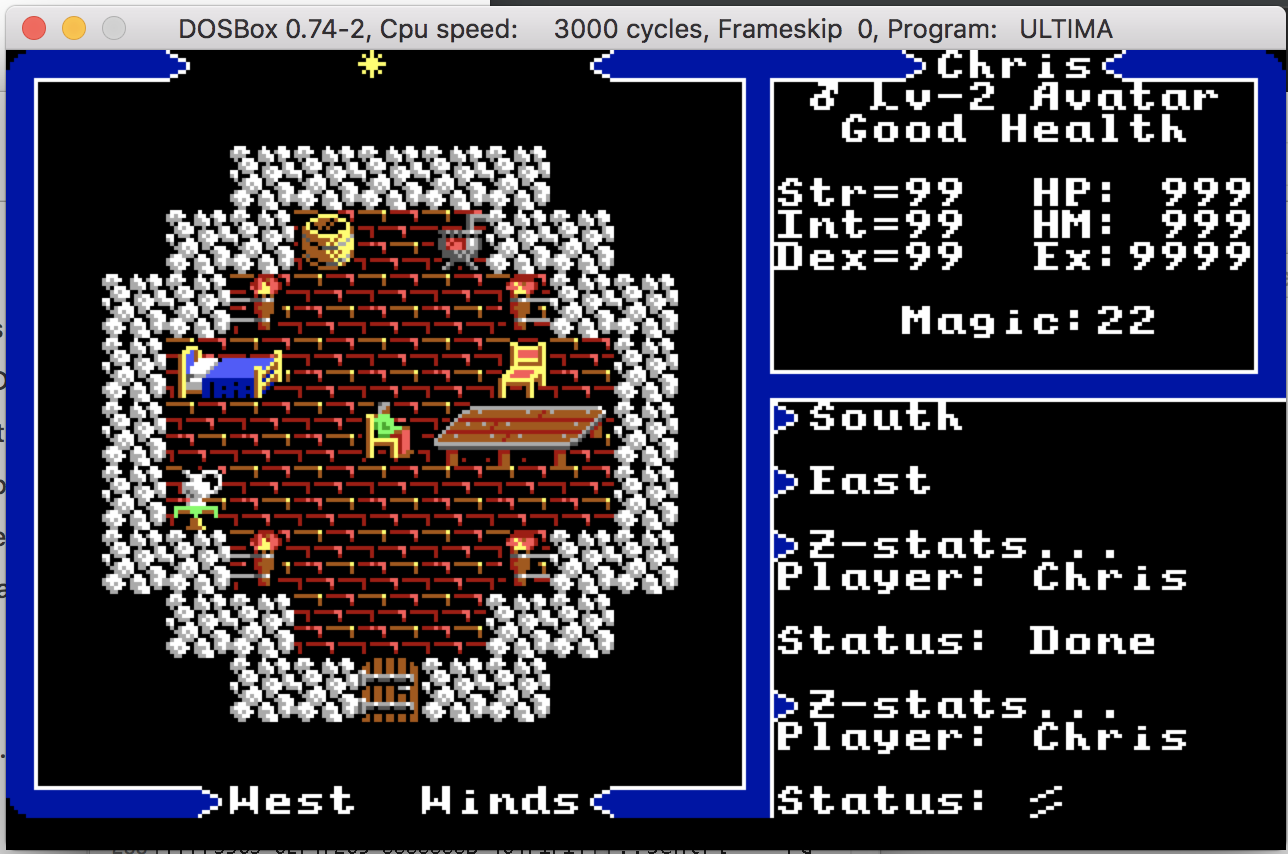
* Magic Carpets: (SAVE.GAME)

0x00000235

* Magic Axes: (SAVE.GAME)

0x00000240

**Modified Stats:**

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