

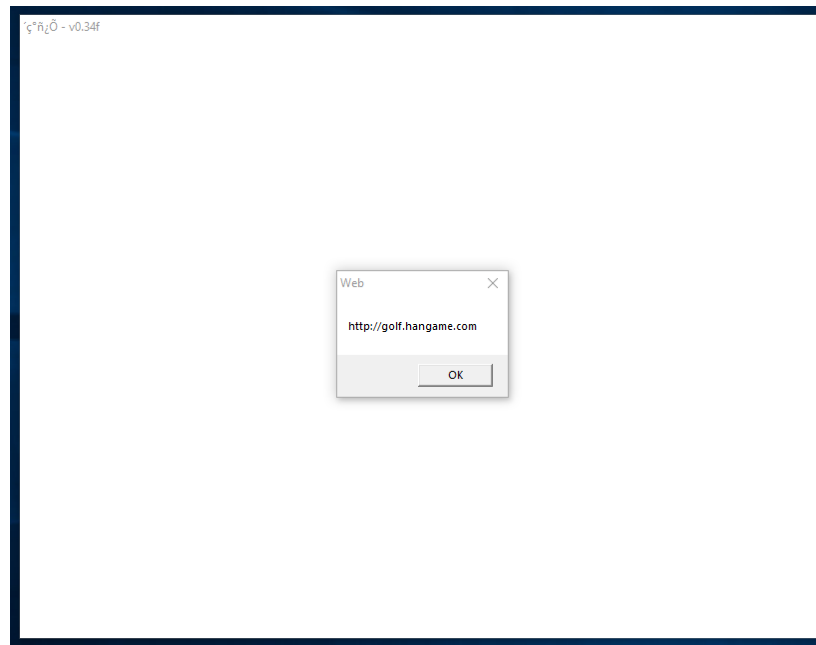
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Golf King Client Version: v0.34f

Turn In (Extended): May 4th, 2018

Game Crack 1 - Removing Nag When Opening DangGol.exe

When trying to launch the game directly from the executable, I am presented with the following error message:



This is shown because Korean games make you sign into the games website in order to launch the game. Obviously, since this game has been abandoned for nearly 13 years, these services don't exist anymore.

This is the definition of a nag dialog box, so it should be easy to remove with OllyDBG! When I breakpointed all of the intermodular calls of "MessageBoxA" and then ran the executable it halted at the assembly code of the nagging dialog box of "http://golf.hangame.com." We found it! After looking at the jump statements, they either jump to the dialog box (i.e. the *nag box*) or they just jump a couple lines down, but still on the path to the *nag box*. If you keep looking further up you will arrive at the jump statement that reads

Memory:	Opcode:	Assembly Instruction:
0040D026	0F84 EC000000	JE DangGol.0040D11B

This statement jumps right over the *nag box*, which is what we want! 😊 If you run the app and put a breakpoint at this instruction and then change the zero flag we can hop over the *nag box* and success! The *nag box* is gone!

PATCHING:

Change the **JE**, jump if equal too, to a **JMP**, jump always. The comparison of **EAX** and the number **0x01h** is obviously not equal here, for a reason I am not sure of at this time, so it will not take this jump. Patch the code to remove this bastard.

00400026	. 83F8 01	CMP EAX,1	
00400029	0F84 EC000000	JE DangGol.0040011B	← Here is our savior,
0040002F	6A 06	PUSH 6	
00400031	BE 0F000000	MOV ESI,0F	
00400036	68 DC0CC300	PUSH DangGol.00C30C0C	ASCII "SysMsg"
0040003B	8D4C24 20	LEA ECX,DWORD PTR SS:[ESP+20]	
0040003F	897424 38	MOV DWORD PTR SS:[ESP+38],ESI	
00400043	895C24 34	MOV DWORD PTR SS:[ESP+34],EBX	
00400047	885C24 24	MOV BYTE PTR SS:[ESP+24],BL	
0040004B	E8 0050FFFF	CALL DangGol.00402050	
00400050	8B0D 54B1EE00	MOV ECX,DWORD PTR DS:[EEB154]	
00400056	8D4424 18	LEA EAX,DWORD PTR SS:[ESP+18]	
0040005A	50	PUSH EAX	
0040005B	895C24 60	MOV DWORD PTR SS:[ESP+60],EBX	[Arg1
0040005F	E8 0C990F00	CALL DangGol.00506970	DangGol.00506970
00400064	396C24 30	CMP DWORD PTR SS:[ESP+30],EBP	
00400068	C74424 5C FFFF	MOV DWORD PTR SS:[ESP+5C],-1	
00400070	72 0D	JB SHORT DangGol.0040007F	
00400072	8B4C24 1C	MOV ECX,DWORD PTR SS:[ESP+1C]	
00400076	51	PUSH ECX	
00400077	E8 56F96E00	CALL DangGol.00AFC9D2	
0040007C	83C4 04	ADD ESP,4	
0040007F	83EC 1C	SUB ESP,1C	
00400082	8BCC	MOV ECX,ESP	
00400084	896424 2C	MOV DWORD PTR SS:[ESP+2C],ESP	
00400088	6A 0E	PUSH 0E	
0040008A	8971 18	MOV DWORD PTR DS:[ECX+18],ESI	
0040008D	8959 14	MOV DWORD PTR DS:[ECX+14],EBX	
00400090	68 4027C300	PUSH DangGol.00C32740	ASCII "Sys_WebAddress"
00400095	8B59 04	MOV BYTE PTR DS:[ECX+4],BL	
00400098	E8 B34FFFFF	CALL DangGol.00402050	
0040009D	8B0D 54B1EE00	MOV ECX,DWORD PTR DS:[EEB154]	
004000A3	E8 E8990F00	CALL DangGol.00506A90	DangGol.00506A90
004000A8	3BC3	CMP EAX,EBX	
004000AA	74 42	JE SHORT DangGol.004000EE	
004000AC	8D5424 18	LEA EDX,DWORD PTR SS:[ESP+18]	
004000B0	52	PUSH EDX	This message box is the one called, not the one down below (@ 0x40D0F4) in this instance,
004000B1	8BC8	MOV ECX,EAX	
004000B3	E8 5875FFFF	CALL DangGol.00404610	
004000B8	3968 18	CMP DWORD PTR DS:[EAX+18],EBP	
004000BB	72 05	JB SHORT DangGol.004000C2	
004000BD	8B40 04	MOV EAX,DWORD PTR DS:[EAX+4]	
004000C0	EB 03	JMP SHORT DangGol.004000C5	
004000C2	83C0 04	ADD EAX,4	
004000C5	53	PUSH EBX	[Style
004000C6	68 3C27C300	PUSH DangGol.00C3273C	Title = "Web"
004000CB	50	PUSH EAX	Text
004000CC	8B87 E4000000	MOV EAX,DWORD PTR DS:[EDI+E4]	
004000D2	50	PUSH EAX	hOwner
004000D3	FF15 5405C300	CALL DWORD PTR DS:[<&USER32.MessageBoxA	MessageBoxA
004000D9	396C24 30	CMP DWORD PTR SS:[ESP+30],EBP	
004000DD	72 27	JB SHORT DangGol.00400106	
004000DF	8B4C24 1C	MOV ECX,DWORD PTR SS:[ESP+1C]	
004000E3	51	PUSH ECX	
004000E4	E8 E9F86E00	CALL DangGol.00AFC9D2	
004000E9	83C4 04	ADD ESP,4	
004000EE	EB 18	JMP SHORT DangGol.00400106	
004000EE	8B97 E4000000	MOV EDX,DWORD PTR DS:[EDI+E4]	
004000F4	53	PUSH EBX	[Style
004000F5	68 3C27C300	PUSH DangGol.00C3273C	Title = "Web"
004000FA	68 2427C300	PUSH DangGol.00C32724	Text = "http://golf.hangame.com"
004000FF	52	PUSH EDX	hOwner
00400100	FF15 5405C300	CALL DWORD PTR DS:[<&USER32.MessageBoxA	MessageBoxA
00400106	8B87 E4000000	MOV EAX,DWORD PTR DS:[EDI+E4]	

Let's Launch Again:

Once this is patched, launch the executable, revealed a new screen:



However, the game freezes and then crashes soon after. This is likely due to it caught in a loop of repeatedly trying to contact servers that do not exist anymore.