ONLINE GAME HACKING



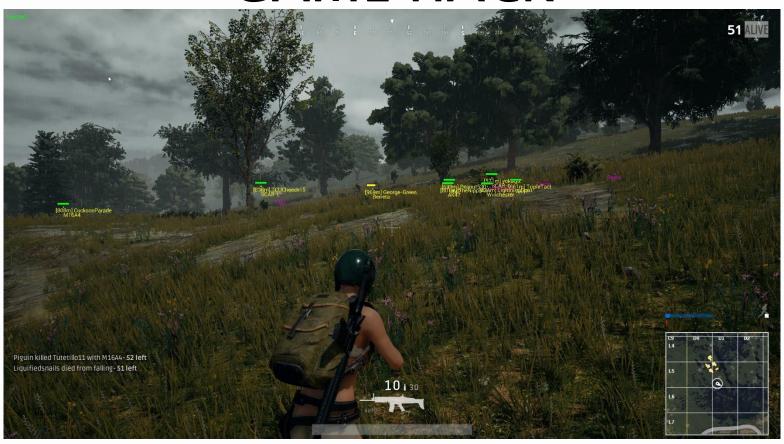


강민수(강명석)

Email: admin@hack.kr



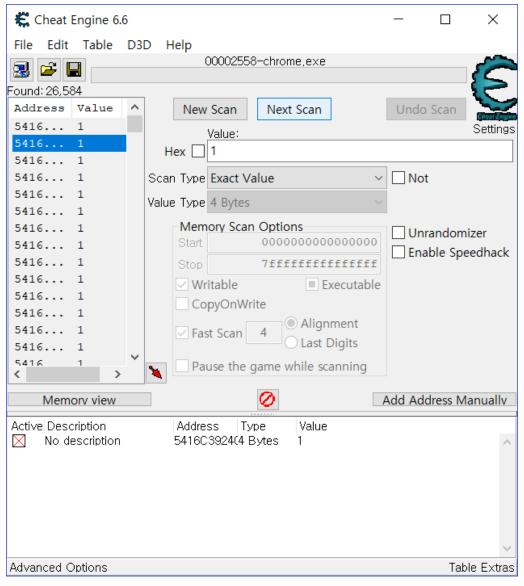
GAME HACK



CULTURE



CHEAT ENGINE



CHEAT ENGINE

```
DWORD dw01d:
VirtualProtect((void*)0x08048fb7, 1, PAGE_EXECUTE | PAGE_GUARD, &dwOld); // This sets the protection for
AddVectoredExceptionHandler(true, (PVECTORED_EXCEPTION_HANDLER)UnhandledExceptionFilter); // Registers of
unsigned long UnhandledExceptionFilter(EXCEPTION POINTERS *pExceptionInfo)
    if (pExceptionInfo->ExceptionRecord->ExceptionCode == STATUS GUARD PAGE VIOLATION) // This is going
        if (pExceptionInfo->ContextRecord->Eip == 0x08048fb7) // Here we check to see if the instruction
            dwJmpBack = (DWORD*)(pExceptionInfo->ContextRecord->Esp + 0); // Find the return address for
            dwJmpBack = (DWORD)pExceptionInfo->ContextRecord->Eip + 5; // or just skip X number of bytes
            pExceptionInfo->ContextRecord->Eip = (DWORD)hkFunction; // Point EIP to hook handle.
        pExceptionInfo->ContextRecord->EFlags |= 0x100; //Set single step flag, causing only one line of
        return EXCEPTION CONTINUE EXECUTION; // When we return to the page, it will no longer be PAGE GU
```

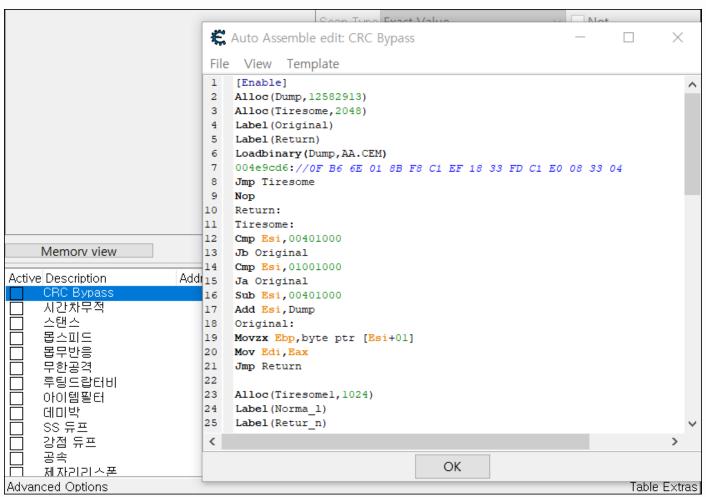
REVERSING == HACK



CRC

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Address Bytes										Opcode						Comment				^		
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SuddenAttack,exe+151F 0F94 C0											sete	•	al al									
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SuddenAttack,exe+1523 68 09020000												oush 00000209						521				
SuddenAttack.exe+1528 E8 97270000											call			dder		ick e	exet	-3				
SuddenAttack.exe+152D 33 C0											xor			x,ea								
SuddenAttack,exe+152F											cmp					udd	on At	+= [00000	0001	>1		
SuddenAttack.exe+152F 06 05 3D A05000													word ptr [SuddenAtta[00						0002	_1		
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SuddenAttack,exe+153A 50											pus		eax					F00				
SuddenAttack,exe+153B 68 0A020000											pus	n	0000020A					522				
SuddenAttack,exe+1540 E8 7F270000											call SuddenAttack,exe+					-3						
Sudde						33 C	-				xor			x,ea								
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00404	41C0	67	80	00	00	C4	07	E8	00	00	10	00	00	CB	07	E9	00	g				
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00404				00	00		08	EF	00		08	00	00	0F	80	F0	00					

CRC - BYPASS



CRC - BYPASS



DLL INJECTION

```
dwProcess = (DWORD)GetModuleHandleA("Process_name");
       Sleep(40);
   } while (!dwProcess);
   Sleep(500);
   printf("PID: %x\m", dwProcess);
BOOL APIENTRY DIIMain(HMODULE hModul, DWORD ul_reason_for_ca, LPVOID lpReserve)
   case DLL_PROCESS_ATTACH:
       DisableThreadLibraryCalls(hModul);
       AllocConsole();
       freopen( "CON", "w", stdout );
       CreateThread(NULL, NULL, (LPTHREAD_START_ROUTINE)Module, NULL, NULL, NULL);
       MessageBoxA(NULL, "Start!", "By Empier", MB_OK);
   case DLL_THREAD_ATTACH:
   case DLL_THREAD_DETACH:
   case DLL_PROCESS_DETACH:
       break:
```

HOOKING

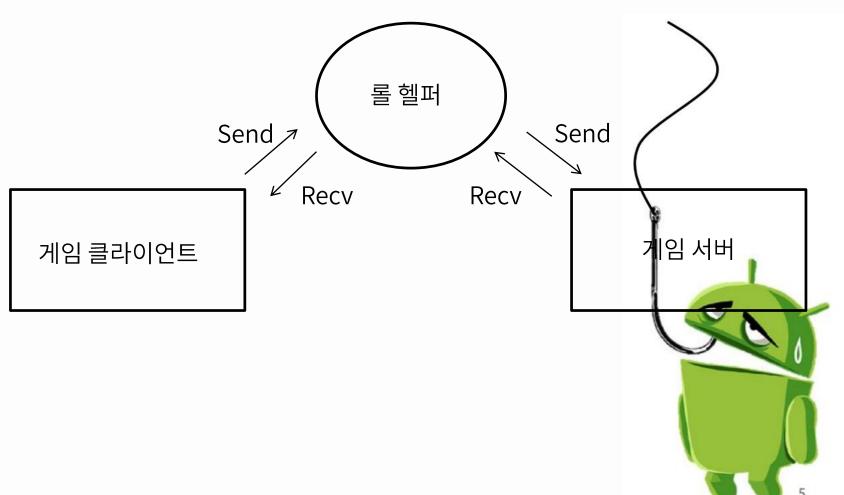


HOOKING

- 1) Connect 함수를 후킹
- 2) 내 프로그램의 소켓으로 연결
- 3) 내 소켓에서 패킷을 복호화하고 원하는 대로 패킷
- 을 변조
- 4) 다시 암호화 하여 원래 목적지로 전송



HOOKING



SCRIPT

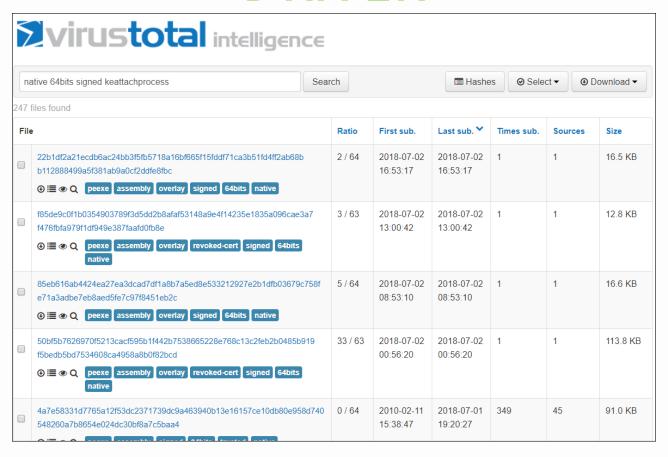
```
return 0;
   //printf("HANDLE: %x\n",L);
    luaL_openlibs(L);
    lua_register(L, "showtext", lua_showtext);
   lua_register(L, "say", lua_say);
   lua_register(L, "do_command", lua_do_command);
   lua_register(L, "sleep", lua_sleep);
   lua_register(L, "rand", lua_rand);
   lua_register(L, "keypress", lua_keypress);
    lua_register(L, "keyup", lua_keyup);
    lua_register(L, "keydown", lua_keydown);
int lua_sleep(lua_State* L)
   unsigned int a = 0;
   a = (int) luaL_checkinteger(L, 1);
   sleep(a);
   return 0;
```

DEMO

DRIVER

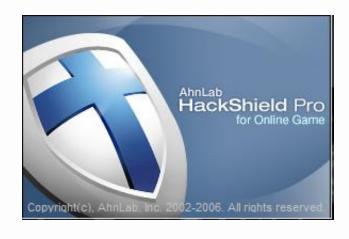
```
v5 = a4;
v6 = a3;
Object = 0164;
v7 = 0x00000001;
if ( PsLookupProcessByProcessId(a1, &Object) >= 0 )
  KeAttachProcess(Object);
  if ( sub_13604(v6) && sub_13604(v5 + v6 - 1) )
   v9 = dword_24304;
   if ( dword_24304 )
      _disable();
      sub_14A50();
     v9 = dword_24304;
    for ( i = 0; i < (unsigned int)v5; ++i )
      *( BYTE *)(i + v6) = *( BYTE *)(i + a5);// WriteProcessMemory
    v7 = 0;
    if ( v9 )
      LODWORD(v11) = sub_14AC8();
      v12 = v11;
      sub_14A8C();
      _enable();
      DbqPrint("lastError=%p₩n", v12);
      if ( U12 )
        v7 = 0x00000001;
    }
  KeDetachProcess();
  ObfDereferenceObject(Object);
  result = (v7 & 0x80000000) == 0;
```

DRIVER



SECURITY

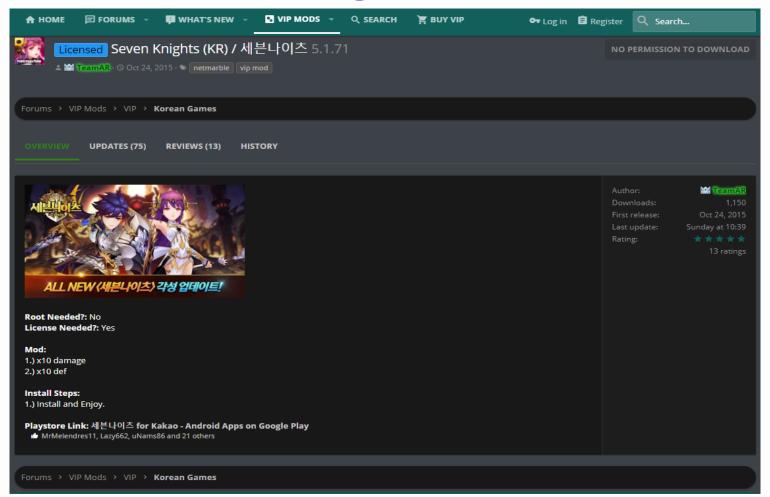








MOBILE



끝으로..

QnA