


```
SystemProcessorPerformanceInformation, // 8
SystemFlagsInformation, // 9
SystemCallTimeInformation, // 10
SystemModuleInformation, // 11
SystemLocksInformation, // 12
SystemStackTraceInformation, // 13
SystemPagedPoolInformation, // 14
SystemNonPagedPoolInformation, // 15
SystemHandleInformation, // 16
SystemObjectInformation, // 17
SystemPageFileInformation, // 18
SystemVdmInstemulInformation, // 19
SystemVdmBopInformation, // 20
SystemFileCacheInformation, // 21
SystemPoolTagInformation, // 22
SystemInterruptInformation, // 23
SystemDpcBehaviorInformation, // 24
SystemFullMemoryInformation, // 25
SystemLoadGdiDriverInformation, // 26
SystemUnloadGdiDriverInformation, // 27
SystemTimeAdjustmentInformation, // 28
SystemSummaryMemoryInformation, // 29
SystemMirrorMemoryInformation, // 30
SystemPerformanceTraceInformation, // 31
SystemObsolete0, // 32
SystemExceptionInformation, // 33
SystemCrashDumpStateInformation, // 34
SystemKernelDebuggerInformation, // 35
SystemContextSwitchInformation, // 36
SystemRegistryQuotaInformation, // 37
SystemExtendServiceTableInformation, // 38
SystemPrioritySeperation, // 39
SystemVerifierAddDriverInformation, // 40
SystemVerifierRemoveDriverInformation, // 41
SystemProcessorIdleInformation, // 42
SystemLegacyDriverInformation, // 43
SystemCurrentTimeZoneInformation, // 44
SystemLookasideInformation, // 45
SystemTimeSlipNotification, // 46
SystemSessionCreate, // 47
SystemSessionDetach, // 48
SystemSessionInformation, // 49
SystemRangeStartInformation, // 50
SystemVerifierInformation, // 51
SystemVerifierThunkExtend, // 52
SystemSessionProcessInformation, // 53
SystemLoadGdiDriverInSystemSpace, // 54
SystemNumaProcessorMap, // 55
SystemPrefetcherInformation, // 56
SystemExtendedProcessInformation, // 57
SystemRecommendedSharedDataAlignment, // 58
SystemComPlusPackage, // 59
SystemNumaAvailableMemory, // 60
SystemProcessorPowerInformation, // 61
SystemEmulationBasicInformation, // 62
SystemEmulationProcessorInformation, // 63
SystemExtendedHandleInformation, // 64
SystemLostDelayedWriteInformation, // 65
SystemBigPoolInformation, // 66
SystemSessionPoolTagInformation, // 67
```

```
SystemSessionMappedViewInformation, // 68
SystemHotpatchInformation, // 69
SystemObjectSecurityMode, // 70
SystemWatchdogTimerHandler, // 71
SystemWatchdogTimerInformation, // 72
SystemLogicalProcessorInformation, // 73
SystemWow64SharedInformation, // 74
SystemRegisterFirmwareTableInformationHandler, // 75
SystemFirmwareTableInformation, // 76
SystemModuleInformationEx, // 77
SystemVerifierTriageInformation, // 78
SystemSuperfetchInformation, // 79
SystemMemoryListInformation, // 80
SystemFileCacheInformationEx, // 81
MaxSystemInfoClass //82
```

```
} SYSTEM_INFORMATION_CLASS;
```

我们使用的是第11号功能SystemModuleInformation。

3.返回数据类型 **_SYSTEM_MODULE_INFORMATION**

64位环境下和32位环境下结构体不一样。

```

typedef struct _SYSTEM_MODULE_INFORMATION_ENTRY64 {
    ULONG Reserved[4];
    PVOID Base;
    ULONG Size;
    ULONG Flags;
    USHORT Index;
    USHORT Unknown;
    USHORT LoadCount;
    USHORT ModuleNameOffset;
    CHAR ImageName[256];
} SYSTEM_MODULE_INFORMATION_ENTRY64, *PSYSTEM_MODULE_INFORMATION_ENTRY64;

typedef struct _SYSTEM_MODULE_INFORMATION_ENTRY32 {
    ULONG Reserved[2];
    PVOID Base;
    ULONG Size;
    ULONG Flags;
    USHORT Index;
    USHORT Unknown;
    USHORT LoadCount;
    USHORT ModuleNameOffset;
    CHAR ImageName[256];
} SYSTEM_MODULE_INFORMATION_ENTRY32, * PSYSTEM_MODULE_INFORMATION_ENTRY32;

typedef struct _SYSTEM_MODULE_INFORMATION
{
    ULONG Count; //内核中以加载的模块的个数
#ifdef _AMD64_
    SYSTEM_MODULE_INFORMATION_ENTRY64 Module[1];
#else
    SYSTEM_MODULE_INFORMATION_ENTRY32 Module[1];
#endif
} SYSTEM_MODULE_INFORMATION, * PSYSTEM_MODULE_INFORMATION;

```

4.实现

- .h文件

```

typedef enum
{
    MmTagTypeZQSI = 'ISQZ',          //ZwQuerySystemInformation
}MmTagType;

typedef enum _SYSTEM_INFORMATION_CLASS
{
    SystemModuleInformation = 11
} SYSTEM_INFORMATION_CLASS;

typedef struct _SYSTEM_MODULE_INFORMATION_ENTRY64 {
    ULONG Reserved[4];
    PVOID Base;
    ULONG Size;
    ULONG Flags;
    USHORT Index;
    USHORT Unknown;
    USHORT LoadCount;
    USHORT ModuleNameOffset;
    CHAR ImageName[256];
} SYSTEM_MODULE_INFORMATION_ENTRY64, *PSYSTEM_MODULE_INFORMATION_ENTRY64;

typedef struct _SYSTEM_MODULE_INFORMATION_ENTRY32 {
    ULONG Reserved[2];
    PVOID Base;
    ULONG Size;
    ULONG Flags;
    USHORT Index;
    USHORT Unknown;
    USHORT LoadCount;
    USHORT ModuleNameOffset;
    CHAR ImageName[256];
} SYSTEM_MODULE_INFORMATION_ENTRY32, * PSYSTEM_MODULE_INFORMATION_ENTRY32;

typedef struct _SYSTEM_MODULE_INFORMATION
{
    ULONG Count;//内核中以加载的模块的个数
#ifdef _AMD64_
    SYSTEM_MODULE_INFORMATION_ENTRY64 Module[1];
#else
    SYSTEM_MODULE_INFORMATION_ENTRY32 Module[1];
#endif
} SYSTEM_MODULE_INFORMATION, * PSYSTEM_MODULE_INFORMATION;

```

- .C文件

```

NTSTATUS PrintAllLoadedMoudleByZwQuerySystemInformation()
{
    ULONG ulInfoLength = 0;
    PVOID pBuffer = NULL;
    NTSTATUS ntStatus = STATUS_UNSUCCESSFUL;
    KDPRINT("【PrintLoadedModule】::【PrintAllLoadedMoudleByZwQuerySystemInformation】Enter.....\r\n");
    do
    {
        ntStatus = ZwQuerySystemInformation(SystemModuleInformation,

```

```

        NULL,
        NULL,
        &ulInfoLength);
if ((ntStatus == STATUS_INFO_LENGTH_MISMATCH))
{
    pBuffer = ExAllocatePoolWithTag(PagedPool, ulInfoLength, MmTagTypeZQSI);
    if (pBuffer == NULL)
    {
        KDPRINT("【PrintLoadedModule】::【PrintAllLoadedMoudleByZwQuerySystemInforma
        break;
    }
    ntStatus = ZwQuerySystemInformation(SystemModuleInformation,
        pBuffer,
        ulInfoLength,
        &ulInfoLength);
    if (!NT_SUCCESS(ntStatus))
    {
        KDPRINT("【PrintLoadedModule】::【PrintAllLoadedMoudleByZwQuerySystemInforma
        break;
    }

    PSYSTEM_MODULE_INFORMATION pModuleInformation = (PSYSTEM_MODULE_INFORMATION)pBuffer
    if(pModuleInformation)
    {
        for (ULONG i = 0; i < pModuleInformation->Count; i++)
        {
            KDPRINT("【PrintLoadedModule】::【PrintAllLoadedMoudleByZwQuerySyste
            pModuleInformation->Module[i].ImageName, pModuleInformation
        }
        KDPRINT("【PrintLoadedModule】::【PrintAllLoadedMoudleByZwQuerySystemInforma
    }

    ntStatus = STATUS_SUCCESS;
}
} while (false);

if (pBuffer)
{
    ExFreePoolWithTag(pBuffer, MmTagTypeZQSI);
}

return ntStatus;
}

NTSTATUS DriverEntry(PDRIVER_OBJECT pDriverObject,
    PUNICODE_STRING pRegistryPath)
{
    UNREFERENCED_PARAMETER(pDriverObject);
    UNREFERENCED_PARAMETER(pRegistryPath);
    PrintAllLoadedMoudleByZwQuerySystemInformation();
    return STATUS_SUCCESS;
}

```

5.运行结果

XP 32位:

DebugView on \\WINDOWSXP (local)

File Edit Capture Options Computer Help

#	Time	Debug Print	Image	Base
66	0.00324823	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\rasppoe.sys	Base:0xBA1B8000
67	0.00325944	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\raspppt.sys	Base:0xBA1C8000
68	0.00327067	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\IDI1.SYS	Base:0xBA400000
69	0.00328186	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\psched.sys	Base:0xB9A70000
70	0.00329309	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\kmsgpc.sys	Base:0xBA1B8000
71	0.00330430	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\ptlink.sys	Base:0xBA410000
72	0.00331546	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\raspti.sys	Base:0xBA420000
73	0.00332668	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\rddpr.sys	Base:0xB9B77000
74	0.00333787	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\teradd.sys	Base:0xBA1B8000
75	0.00334937	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\svenum.sys	Base:0xBA5E0000
76	0.00336060	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\update.sys	Base:0xBA9A51000
77	0.00337185	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\msmbios.sys	Base:0xB9D7E000
78	0.00338309	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\Drivers\NDProxy.SYS	Base:0xBA1B8000
79	0.00339428	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\usbhub.sys	Base:0xBA208000
80	0.00340546	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\USBDD.SYS	Base:0xBA5C2000
81	0.00341669	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\ganeenum.sys	Base:0xBA5E4000
82	0.00342790	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\Drivers\Fa_Rec.SYS	Base:0xBA590000
83	0.00343922	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\Drivers\Wull.SYS	Base:0xBA797000
84	0.00345046	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\Drivers\Beep.SYS	Base:0xBA5C6000
85	0.00346166	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\drivers\vga.sys	Base:0xBA470000
86	0.00347288	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\RDPCDD.sys	Base:0xBA5CA000
87	0.00348409	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\Drivers\Mfs.SYS	Base:0xBA480000
88	0.00349529	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\Drivers\Npfs.SYS	Base:0xBA490000
89	0.00350650	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\rasacd.sys	Base:0xBA59C000
90	0.00351769	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\ipsec.sys	Base:0xBA14F000
91	0.00352889	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\tcpip.sys	Base:0xBA1416000
92	0.00354012	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\wnetbt.sys	Base:0xBA13C6000
93	0.00355138	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\winarp.sys	Base:0xBA298000
94	0.00356259	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\drivers\ws2ifsl.sys	Base:0xB9D9A000
95	0.00357377	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\drivers\afd.sys	Base:0xBA134A000
96	0.00358499	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\netbios.sys	Base:0xBA2A8000
97	0.00360668	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\drivers\vmahfs.sys	Base:0xBA137D000
98	0.00361817	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\rdbss.sys	Base:0xBA13E2000
99	0.00362971	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\vxrsmb.sys	Base:0xBA12E2000
100	0.00364103	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\Drivers\Fips.SYS	Base:0xBA208000
101	0.00365240	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\Drivers\Fastfat.SYS	Base:0xBA1296000
102	0.00366374	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\usbccp.sys	Base:0xBA400000
103	0.00367507	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\hidusb.sys	Base:0xBA9A5000
104	0.00368642	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\HIDCLASS.SYS	Base:0xBA9B3F000
105	0.00369770	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\HIDPARSE.SYS	Base:0xBA370000
106	0.00370898	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\vaouhid.sys	Base:0xBA9AD000
107	0.00372035	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\vausbmouse.sys	Base:0xBA5D0000
108	0.00373165	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\Drivers\dump_atapi.sys	Base:0xBA127E000
109	0.00374297	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\Drivers\dump_WMLIB.SYS	Base:0xBA504000
110	0.00375429	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\win32k.sys	Base:0xBF800000
111	0.00376578	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\drivers\dxapi.sys	Base:0xBA58C000
112	0.00377714	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\watchdog.sys	Base:0xBA3A8000
113	0.00378845	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\drivers\dxg.sys	Base:0xF0000000
114	0.00379977	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\drivers\dxgthk.sys	Base:0xBA718000
115	0.00381105	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\vmx_fb.dll	Base:0xBF012000
116	0.00382235	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\ndisuio.sys	Base:0xBA117E000
117	0.00383369	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\drivers\wdmaud.sys	Base:0xBF0F1000
118	0.00384499	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\drivers\sysaudio.sys	Base:0xBF8F0000
119	0.00385625	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\Drivers\Gdfs.SYS	Base:0xBA0E5E000
120	0.00386774	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\??\C:\Program Files\Common Files\VMware\Drivers\vmacthlp\vmacthlp1.sys	Base:0xBA100E000
121	0.00387926	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\DRIVERS\svr.sys	Base:0X0C1B000
122	0.00389061	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\SystemRoot\system32\drivers\kmaixer.sys	Base:0xBA08A000
123	0.00390234	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\??\C:\Documents and Settings\Administrator\桌面\PrintLoadedModule.sys	Base:0xBA488000
124	0.00391388	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\??\C:\WINDOWS\system32\Drivers\DbgV.sys	Base:0XB923000
125	0.00392520	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	Image:\WINDOWS\system32\ntdll.dll	Base:0X7C92000
126	0.00393603	[PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation]	共计120个内核模块!	

CSJL @禁锁在时空之中的灵魂

Win7 64位:

```
DebugView on \\WINDOWS7 (local)
File Edit Capture Options Computer Help
# Time Debug Print
137 3.13480926 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\hidusb.sys Base: 0x00000000800056000
138 3.13481498 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\HIDCLASS.SYS Base: 0x000000008000564000
139 3.13482046 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\HIDPARSE.SYS Base: 0x00000000800057000
140 3.13482475 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\hmodid.sys Base: 0x00000000800058000
141 3.13482928 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\vmusbmouse.sys Base: 0x00000000800059000
142 3.13483357 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\drivers\luaf3.sys Base: 0x00000000800059C000
143 3.13483810 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\lltdio.sys Base: 0x0000000080005F000
144 3.13484216 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\unwif1.sys Base: 0x000000008000640000
145 3.13484645 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\ndisuioc.sys Base: 0x000000008000654000
146 3.13485074 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\vspndr.sys Base: 0x000000008000657000
147 3.13485527 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\ocdfs.sys Base: 0x0000000080006A5000
148 3.13485956 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\drivers\HTTP.sys Base: 0x0000000080006BA000
149 3.13486409 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\bowser.sys Base: 0x000000008000738000
150 3.13486838 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\drivers\wpsdrv.sys Base: 0x0000000080007A1000
151 3.13487267 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\vxrzsmb.sys Base: 0x0000000080007B9000
152 3.13487673 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\vxrzsmb10.sys Base: 0x0000000080007C0000
153 3.13488126 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\vxrzsmb20.sys Base: 0x0000000080007E4000
154 3.13488555 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\vxnaent1.sys Base: 0x0000000080007F2000
155 3.13488984 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\drivers\pcauth.sys Base: 0x0000000080003A45000
156 3.13489389 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\srvt2.sys Base: 0x0000000080003AE000
157 3.13489842 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\drivers\vcppreg.sys Base: 0x0000000080003C0000
158 3.13490295 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\svr2.sys Base: 0x0000000080003E2000
159 3.13490748 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\svr.sys Base: 0x0000000080003E21000
160 3.13491154 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\vmhfs.sys Base: 0x0000000080003E9000
161 3.13491607 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\drivers\spys.sys Base: 0x0000000080003E5000
162 3.13491988 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \??\C:\Windows\system32\Drivers\Dbgvs Base: 0x0000000080003F6000
163 3.13492441 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \SystemRoot\system32\DRIVERS\vaonintr.sys Base: 0x0000000080003F6D000
164 3.13492870 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \??\C:\Users\Administrator\Desktop\PrintLoadedModule.sys Base: 0x0000000080003F8F000
165 3.13493323 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\ntldr.dll Base: 0x000000007F900000
166 3.13493729 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\amsi.exe Base: 0x00000000483A0000
167 3.13494158 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\apiset.schema.dll Base: 0x000000007FF7B0000
168 3.13494611 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\autochk.exe Base: 0x000000000F020000
169 3.13495040 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\gdi32.dll Base: 0x000000007FF7F0000
170 3.13495469 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\sechost.dll Base: 0x000000007FF7F4000
171 3.13495922 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\cmd132.dll Base: 0x000000007FF7F7000
172 3.13496351 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\normaliz.dll Base: 0x000000007F800000
173 3.13496780 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\user32.dll Base: 0x0000000077900000
174 3.13497210 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\kernel32.dll Base: 0x0000000077270000
175 3.13497639 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32?urlmon.dll Base: 0x000000007FF5F10000
176 3.13498044 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\shell32.dll Base: 0x000000007FF780000
177 3.13498473 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\clbcatq.dll Base: 0x000000007FF6E0000
178 3.13498926 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\ws2_32.dll Base: 0x000000007FF690000
179 3.13499331 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\imagehlp.dll Base: 0x000000007FF6F0000
180 3.13499761 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\lpk.dll Base: 0x000000007FF660000
181 3.13500190 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\usp10.dll Base: 0x000000007FF6590000
182 3.13500595 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\iertutil.dll Base: 0x000000007FF630000
183 3.13501000 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\msctf.dll Base: 0x000000007FF61F0000
184 3.13501430 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\Wldap32.dll Base: 0x000000007FF6190000
185 3.13501893 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\userapi.dll Base: 0x000000007F650000
186 3.13502288 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\user32.dll Base: 0x000000007FF6180000
187 3.13502717 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\oleaut32.dll Base: 0x000000007FF60A0000
188 3.13503122 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\ole32.dll Base: 0x000000007FF6090000
189 3.13503551 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\setuserapi.dll Base: 0x000000007FF6C80000
190 3.13503981 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\rpctr4.dll Base: 0x000000007FF6B80000
191 3.13504410 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\imm32.dll Base: 0x000000007FF6B50000
192 3.13504815 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\shlwapi.dll Base: 0x000000007FF6D00000
193 3.13505244 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\advapi32.dll Base: 0x000000007FF6A30000
194 3.13505697 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\difxapi.dll Base: 0x000000007FF6980000
195 3.13506126 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\wininet.dll Base: 0x000000007FF6780000
196 3.13506556 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\advapi32.dll Base: 0x000000007FF6A0000
197 3.13507009 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\api-ms-win-downlevel-ole32-11-1-0.dll Base: 0x000000007FF6D90000
198 3.13507438 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\userenv.dll Base: 0x000000007FF670000
199 3.13507843 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\wintrust.dll Base: 0x000000007FF630000
200 3.13508272 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\api-ms-win-downlevel-advapi32-11-1-0.dll Base: 0x000000007FF6D20000
201 3.13508725 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\api-ms-win-downlevel-version-11-1-0.dll Base: 0x000000007FF6D10000
202 3.13509154 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\api-ms-win-downlevel-normaliz-11-1-0.dll Base: 0x000000007FF6D00000
203 3.13509607 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\crypt32.dll Base: 0x000000007FF6490000
204 3.13510036 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\api-ms-win-downlevel-user32-11-1-0.dll Base: 0x000000007FF6480000
205 3.13510489 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\comctl32.dll Base: 0x000000007FF630000
206 3.13510871 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\KernelBase.dll Base: 0x000000007FF6370000
207 3.13511324 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\cfgmgr32.dll Base: 0x000000007FF630000
208 3.13511729 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\devobj.dll Base: 0x000000007FF6310000
209 3.13512158 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\api-ms-win-downlevel-shlwapi-11-1-0.dll Base: 0x000000007FF6300000
210 3.13512611 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\asasmi.dll Base: 0x000000007FF62F0000
211 3.13513017 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] Image: \Windows\System32\profapi.dll Base: 0x000000007FF62E0000
212 3.13513350 [PrintLoadedModule] :: [PrintAllLoadedModuleByZwQuerySystemInformation] 共计200个内核模块!
```