# Microsoft Hyper-V Virtualization Infrastructure Driver Library (vid.dll) functionality evolution.
Windows 10

- **API will be removed in next version** (red)
- **new API (in compare with previous version)** (yellow)

Vid.dll, build 10.0.17134.1 — Windows 10, build 1803

1. VidAdjustNestedTlbSize
2. VidAllocateMemoryBlockReadWriteBuffers
3. VidAssertVirtualProcessorInterrupt
4. VidCheckForIntercept
5. VidClearVirtualProcessorInterrupt
6. VidCloneTemplateCreate
7. VidCloneTemplateDestroy
8. VidCloseStatisticsHandle
9. VidCreateCpuGroup
10. VidCreateDaxFileMemoryBlock
11. VidCreateExoPartition
12. VidCreateMemoryBlock
13. VidCreateMemoryBlockGpaRange
14. VidCreateMmioGpaRange
15. VidCreatePartition
16. VidCreatePartitionEx *(red — removed in next version)*
17. VidCreateVaGpaRange
18. VidCreateVaGpaRangeSpecifyUserVa *(red — removed in next version)*
19. VidDeleteCpuGroup
20. VidDeletePartition
21. VidDestroyGpaRange
22. VidDestroyGpaRangeCheckSecure
23. VidDestroyMemoryBlock
24. VidDestroyMemoryBlockReadWriteBuffers
25. VidDmBalloon
26. VidDmConsolidationDisable
27. VidDmConsolidationEnable
28. VidDmHotAdd
29. VidDmHotAddUndo
30. VidDmMemoryBlockQueryTopology
31. VidDmSlpDisable
32. VidDmSlpQuery
33. VidDmSlpSetup
34. VidDmSlpWaitForDisable
35. VidDmUnBalloon
36. VidDmWorkingSetModify
37. VidEncryptDecryptData
38. VidEpfRestore
39. VidEpfSave
40. VidEpfSuspendBegin
41. VidEpfSuspendEnd
42. VidFlushMemoryBlockMapping
43. VidFlushMemoryBlockPageRange
44. VidGetCpuGroupProperty
45. VidGetExoPartitionProperty
46. VidGetHvLogicalProcessorCount
47. VidGetHvLogicalProcessorRuntime
48. VidGetHvMemoryBalance
49. VidGetHvPartitionId
50. VidGetHvVpRuntime
51. VidGetMemoryBlockProtectionBitmap
52. VidGetPartitionIds
53. VidGetPartitionProperty
54. VidGetProcessorTopology
55. VidGetRootReferenceTime
56. VidGetRpcSession
57. VidGetSecurityCookie
58. VidGetSystemInformation
59. VidGetSystemTopology
60. VidGetVirtualProcessorRunningStatus
61. VidGetVirtualProcessorState
62. VidHandleMessageAndGetNextMessage
63. VidInitEncryptionKeys
64. VidInjectSyntheticMachineCheckEvent
65. VidInstallExoIntercept
66. VidMapHvGlobalStatsPage
67. VidMapHvLocalStatsPage
68. VidMapHvRootStatsPage
69. VidMapMemoryBlockPageRange
70. VidMapMemoryBlockPageRangeEx
71. VidMarkPagePoisoned
72. VidMemReservePagesAdd
73. VidMemReservePagesRelease
74. VidMemXferConnectClose
75. VidMemXferConnectDisable
76. VidMemXferConnectEnable
77. VidMemXferConnectOpen
78. VidMemXferSendAsync
79. VidMessageSlotHandleAndGetNext
80. VidMessageSlotMap
81. VidOpenStatisticsHandle
82. VidPhuBegin
83. VidPhuCommit
84. VidPhuEnd
85. VidPhuFreePersistedData
86. VidPhuOpenMemoryBlockFile
87. VidPhuPersistGpaRange
88. VidPhuPersistMemoryBlock
89. VidPrefetchDirectMapRanges
90. VidProtectMemoryBlockPages
91. VidQueryVaGpaRangeWorkingSetInfo
92. VidReadMemoryBlockPageRange
93. VidReadWriteMemoryBlockPageRange
94. VidRegisterApicEoiHandler
95. VidRegisterCpuidHandler
96. VidRegisterCpuidResult
97. VidRegisterExceptionHandler
98. VidRegisterIoPortHandler
99. VidRegisterMsrHandler
100. VidRegisterTripleFaultHandler
101. VidReleaseEncryptionKeys
102. VidReleasePages
103. VidReservePages
104. VidResetPartition
105. VidResetPoisonedPage
106. VidRestorePartitionState
107. VidSavePartitionState
108. VidSchedulerAssistRestore
109. VidSchedulerAssistSave
110. VidSchedulerAssistSuspend
111. VidSetCpuGroupProperty
112. VidSetMailboxKey
113. VidSetMemoryBlockClientNotifications
114. VidSetMemoryBlockFlushAfterWrite
115. VidSetMemoryBlockNotificationQueue
116. VidSetPartitionFriendlyName
117. VidSetPartitionProperty
118. VidSetVirtualProcessorState
119. VidSetupMessageQueue
120. VidSgxResetMemoryBlocks
121. VidStartVirtualProcessor
122. VidStatsMap
123. VidStatsMapNuma
124. VidStatsMapPartition *(red — removed in next version)*
125. VidStatsUnMap
126. VidStatsUnMapNuma
127. VidStatsUnMapPartition *(red — removed in next version)*
128. VidStopVirtualProcessor
129. VidSuspendApply
130. VidSuspendClear
131. VidTranslateGvaToGpa
132. VidTrimPartitionMemory
133. VidUnmapHvGlobalStatsPage
134. VidUnmapHvLocalStatsPage
135. VidUnmapHvRootStatsPage
136. VidUnmapMemoryBlockPageRange
137. VidUnprotectMemoryBlockPages
138. VidUnregisterCpuidResult
139. VidUnregisterHandler
140. VidVsmCheckGpaPageVtlAccess
141. VidVsmEnableVpVtl
142. VidVsmGetMemoryBlockProtections
143. VidVsmGetPartitionConfig
144. VidVsmQueryMemoryBlockProtections
145. VidVsmQueryProtectionsDirty
146. VidVsmSetMemoryBlockProtections
147. VidVsmSetPartitionConfig
148. VidWriteMemoryBlockPageRange

Vid.dll, build 10.0.18305.1000 — Windows 10, build 1809

1. VidAdjustNestedTlbSize
2. VidAllocateMemoryBlockReadWriteBuffers
3. VidAssertVirtualProcessorInterrupt
4. VidChangePartitionLifeState *(new)*
5. VidCheckForIntercept
6. VidClearVirtualProcessorInterrupt
7. VidCloneTemplateCreate
8. VidCloneTemplateDestroy *(new)*
9. VidCloneTemplateDestroyDetached *(new)*
10. VidCloneTemplateDetach
11. VidCloseStatisticsHandle
12. VidCreateCpuGroup
13. VidCreateDaxFileMemoryBlock
14. VidCreateExoPartition
15. VidCreateMemoryBlock
16. VidCreateMemoryBlockGpaRange
17. VidCreateMmioGpaRange
18. VidCreatePartition
19. VidCreateVaGpaRange
20. VidDeleteCpuGroup
21. VidDeletePartition
22. VidDestroyGpaRange
23. VidDestroyGpaRangeCheckSecure
24. VidDestroyMemoryBlock
25. VidDestroyMemoryBlockReadWriteBuffers
26. VidDispatchVirtualProcessor *(new)*
27. VidDllStatsGetPartitionCounters *(new)*
28. VidDllStatsGetSharedBuffer *(new)*
29. VidDllStatsGetVmPerfRootInstance *(new)*
30. VidDmBalloon
31. VidDmConsolidationDisable
32. VidDmConsolidationEnable
33. VidDmHotAdd
34. VidDmHotAddUndo
35. VidDmMemoryBlockQueryTopology
36. VidDmSlpDisable
37. VidDmSlpQuery
38. VidDmSlpSetup
39. VidDmSlpWaitForDisable
40. VidDmUnBalloon
41. VidDmWorkingSetModify
42. VidEncryptDecryptData
43. VidEpfRestore
44. VidEpfSave
45. VidEpfSuspendBegin
46. VidEpfSuspendEnd
47. VidExoAccessVaFault *(new)*
48. VidExoControlGpaAccessTracking *(new)*
49. VidExoGetLocalInterruptControllerState *(new)*
50. VidExoMapGpaRange *(new)*
51. VidExoSetLocalInterruptControllerState *(new)*
52. VidExoUnmapGpaRange *(new)*
53. VidFlushMemoryBlockMapping
54. VidFlushMemoryBlockPageRange
55. VidGetCpuGroupProperty
56. VidGetExoPartitionProperty
57. VidGetHvLogicalProcessorCount
58. VidGetHvLogicalProcessorRuntime
59. VidGetHvMemoryBalance
60. VidGetHvPartitionId
61. VidGetHvVpRuntime
62. VidGetIsolationLuid *(new)*
63. VidGetMemoryBlockProtectionBitmap
64. VidGetPartitionIds
65. VidGetPartitionProperty
66. VidGetProcessorTopology
67. VidGetRootReferenceTime
68. VidGetRpcSession
69. VidGetSecurityCookie
70. VidGetSystemInformation
71. VidGetSystemTopology
72. VidGetVirtualProcessorRunningStatus
73. VidGetVirtualProcessorState
74. VidGetVirtualProcessorStateEx *(new)*
75. VidGetVirtualProcessorXsaveState *(new)*
76. VidHandleMessageAndGetNextMessage
77. VidInitEncryptionKeys
78. VidInjectSyntheticMachineCheckEvent
79. VidInstallExoIntercept
80. VidMapHvGlobalStatsPage
81. VidMapHvLocalStatsPage
82. VidMapHvRootStatsPage
83. VidMapHypercallDoorbellPage *(new)*
84. VidMapMemoryBlockPageRange
85. VidMapMemoryBlockPageRangeEx
86. VidMapVpRegisterPage *(red — removed in next version)*
87. VidMarkPagePoisoned
88. VidMemReservePagesAdd
89. VidMemReservePagesRelease
90. VidMemXferConnectClose
91. VidMemXferConnectDisable
92. VidMemXferConnectEnable
93. VidMemXferConnectOpen
94. VidMemXferSendAsync
95. VidMessageSlotHandleAndGetNext
96. VidMessageSlotMap
97. VidOpenStatisticsHandle
98. VidPhuBegin
99. VidPhuCommit
100. VidPhuEnd
101. VidPhuFreePersistedData
102. VidPhuOpenMemoryBlockFile
103. VidPhuPersistGpaRange
104. VidPhuPersistMemoryBlock
105. VidPrefetchDirectMapRanges
106. VidProtectMemoryBlockPages
107. VidQueryVaGpaRangeWorkingSetInfo
108. VidReadMemoryBlockPageRange
109. VidReadWriteMappedMemoryBlockPageRange *(new)*
110. VidReadWriteMemoryBlockPageRange
111. VidRegisterApicEoiHandler
112. VidRegisterCpuidHandler
113. VidRegisterCpuidResult
114. VidRegisterExceptionHandler
115. VidRegisterIoPortHandler
116. VidRegisterMsrHandler
117. VidRegisterTripleFaultHandler
118. VidReleaseEncryptionKeys
119. VidReleasePages
120. VidReservePages
121. VidResetPartition
122. VidResetPoisonedPage
123. VidRestorePartitionState
124. VidSavePartitionState
125. VidSchedulerAssistRestore
126. VidSchedulerAssistSave
127. VidSchedulerAssistSuspend
128. VidSetCpuGroupProperty
129. VidSetMailboxKey
130. VidSetMemoryBlockClientNotifications
131. VidSetMemoryBlockFlushAfterWrite
132. VidSetMemoryBlockNotificationQueue
133. VidSetPartitionFriendlyName
134. VidSetPartitionProperty
135. VidSetPeerProcess *(new)*
136. VidSetSystemInformation *(new)*
137. VidSetVirtualProcessorState
138. VidSetVirtualProcessorStateEx *(new)*
139. VidSetVirtualProcessorXsaveState *(new)*
140. VidSetupMessageQueue
141. VidSgxResetMemoryBlocks
142. VidStartVirtualProcessor
143. VidStatsMap
144. VidStatsMapNuma
145. VidStatsUnMap
146. VidStatsUnMapNuma
147. VidStopVirtualProcessor
148. VidSuspendApply
149. VidSuspendClear
150. VidTranslateGvaToGpa
151. VidTrimPartitionMemory
152. VidUnmapHvGlobalStatsPage
153. VidUnmapHvLocalStatsPage
154. VidUnmapHvRootStatsPage
155. VidUnmapMemoryBlockPageRange
156. VidUnprotectMemoryBlockPages
157. VidUnregisterCpuidResult
158. VidUnregisterHandler
159. VidVsmCheckGpaPageVtlAccess
160. VidVsmEnableVpVtl
161. VidVsmGetMemoryBlockProtections
162. VidVsmGetPartitionConfig
163. VidVsmQueryMemoryBlockProtections
164. VidVsmQueryProtectionsDirty
165. VidVsmSetMemoryBlockProtections
166. VidVsmSetPartitionConfig
167. VidWriteMemoryBlockPageRange

Vid.dll, build 10.0.18362.1 — Windows 10, build 1903 (1909 is same)

1. VidAdjustNestedTlbSize
2. VidAllocateMemoryBlockReadWriteBuffers
3. VidAssertVirtualProcessorInterrupt
4. VidChangePartitionLifeState
5. VidCheckForIntercept
6. VidClearVirtualProcessorInterrupt
7. VidCloneTemplateCreate
8. VidCloneTemplateDestroy
9. VidCloneTemplateDestroyDetached
10. VidCloneTemplateDetach
11. VidCloseStatisticsHandle
12. VidCreateCpuGroup
13. VidCreateDaxFileMemoryBlock
14. VidCreateExoPartition
15. VidCreateMemoryBlock
16. VidCreateMemoryBlockGpaRange
17. VidCreateMmioGpaRange
18. VidCreatePartition
19. VidCreateVaGpaRange
20. VidDeleteCpuGroup
21. VidDeletePartition
22. VidDestroyGpaRange
23. VidDestroyGpaRangeCheckSecure
24. VidDestroyMemoryBlock
25. VidDestroyMemoryBlockReadWriteBuffers
26. VidDispatchVirtualProcessor
27. VidDllStatsGetPartitionCounters
28. VidDllStatsGetSharedBuffer
29. VidDllStatsGetVmPerfRootInstance
30. VidDmBalloon
31. VidDmConsolidationDisable
32. VidDmConsolidationEnable
33. VidDmHotAdd
34. VidDmHotAddUndo
35. VidDmMemoryBlockQueryTopology
36. VidDmSlpDisable
37. VidDmSlpQuery
38. VidDmSlpSetup
39. VidDmSlpWaitForDisable
40. VidDmUnBalloon
41. VidDmWorkingSetModify
42. VidEncryptDecryptData
43. VidEpfRestore
44. VidEpfSave
45. VidEpfSuspendBegin
46. VidEpfSuspendEnd
47. VidExoAccessVaFault
48. VidExoControlGpaAccessTracking
49. VidExoGetLocalInterruptControllerState
50. VidExoMapGpaRange
51. VidExoSetLocalInterruptControllerState
52. VidExoUnmapGpaRange
53. VidFlushMemoryBlockMapping
54. VidFlushMemoryBlockPageRange
55. VidGetCpuGroupProperty
56. VidGetExoPartitionProperty
57. VidGetExoSystemInformation *(new)*
58. VidGetHvLogicalProcessorCount
59. VidGetHvLogicalProcessorRuntime
60. VidGetHvMemoryBalance
61. VidGetHvPartitionId
62. VidGetHvVpRuntime
63. VidGetIsolationLuid
64. VidGetMemoryBlockProtectionBitmap
65. VidGetPartitionIds
66. VidGetPartitionProperty
67. VidGetProcessorTopology
68. VidGetRootReferenceTime
69. VidGetRpcSession
70. VidGetSecurityCookie
71. VidGetSystemInformation
72. VidGetSystemTopology
73. VidGetVirtualProcessorRunningStatus
74. VidGetVirtualProcessorState
75. VidGetVirtualProcessorStateEx
76. VidGetVirtualProcessorXsaveState
77. VidHandleMessageAndGetNextMessage
78. VidInitEncryptionKeys
79. VidInjectSyntheticMachineCheckEvent
80. VidInstallExoIntercept
81. VidMapHvGlobalStatsPage
82. VidMapHvLocalStatsPage
83. VidMapHvRootStatsPage
84. VidMapHypercallDoorbellPage
85. VidMapMemoryBlockPageRange
86. VidMapMemoryBlockPageRangeEx
87. VidMapVpStatePage *(new)*
88. VidMarkPagePoisoned
89. VidMemReservePagesAdd
90. VidMemReservePagesRelease
91. VidMemXferConnectClose
92. VidMemXferConnectDisable
93. VidMemXferConnectEnable
94. VidMemXferConnectOpen
95. VidMemXferSendAsync
96. VidMessageSlotHandleAndGetNext
97. VidMessageSlotMap
98. VidOpenStatisticsHandle
99. VidPhuBegin
100. VidPhuCommit
101. VidPhuEnd
102. VidPhuFreePersistedData
103. VidPhuOpenMemoryBlockFile
104. VidPhuPersistGpaRange
105. VidPhuPersistMemoryBlock
106. VidPrefetchDirectMapRanges
107. VidProtectMemoryBlockPages
108. VidQueryVaGpaRangeWorkingSetInfo
109. VidReadMemoryBlockPageRange
110. VidReadWriteMappedMemoryBlockPageRange
111. VidReadWriteMemoryBlockPageRange
112. VidRegisterApicEoiHandler
113. VidRegisterCpuidHandler
114. VidRegisterCpuidResult
115. VidRegisterExceptionHandler
116. VidRegisterIoPortHandler
117. VidRegisterMsrHandler
118. VidRegisterTripleFaultHandler
119. VidReleaseEncryptionKeys
120. VidReleasePages
121. VidReservePages
122. VidResetPartition
123. VidResetPoisonedPage
124. VidRestorePartitionState
125. VidSavePartitionState
126. VidSchedulerAssistRestore
127. VidSchedulerAssistSave
128. VidSchedulerAssistSuspend
129. VidSetCpuGroupProperty
130. VidSetMailboxKey
131. VidSetMemoryBlockClientNotifications
132. VidSetMemoryBlockFlushAfterWrite
133. VidSetMemoryBlockNotificationQueue
134. VidSetPartitionFriendlyName
135. VidSetPartitionProperty
136. VidSetPeerProcess
137. VidSetSystemInformation
138. VidSetVirtualProcessorState
139. VidSetVirtualProcessorStateEx
140. VidSetVirtualProcessorXsaveState
141. VidSetupMessageQueue
142. VidSgxResetMemoryBlocks
143. VidStartVirtualProcessor
144. VidStatsMap
145. VidStatsMapNuma
146. VidStatsUnMap
147. VidStatsUnMapNuma
148. VidStopVirtualProcessor
149. VidSuspendApply
150. VidSuspendClear
151. VidTranslateGpa *(new)*
152. VidTranslateGvaToGpa
153. VidTrimPartitionMemory
154. VidUnmapHvGlobalStatsPage
155. VidUnmapHvLocalStatsPage
156. VidUnmapHvRootStatsPage
157. VidUnmapMemoryBlockPageRange
158. VidUnprotectMemoryBlockPages
159. VidUnregisterCpuidResult
160. VidUnregisterHandler
161. VidVsmCheckGpaPageVtlAccess
162. VidVsmEnableVpVtl
163. VidVsmGetMemoryBlockProtections
164. VidVsmGetPartitionConfig
165. VidVsmQueryMemoryBlockProtections
166. VidVsmQueryProtectionsDirty
167. VidVsmSetMemoryBlockProtections
168. VidVsmSetPartitionConfig
169. VidWriteMemoryBlockPageRange

Vid.dll, build 10.0.19041.1 — Windows 10 20H1, build 19041

1. VidAdjustNestedTlbSize
2. VidAllocateMemoryBlockReadWriteBuffers
3. VidAssertVirtualProcessorInterrupt
4. VidChangePartitionLifeState
5. VidCheckForIntercept
6. VidClearVirtualProcessorInterrupt
7. VidCloneTemplateCreate
8. VidCloneTemplateDestroy
9. VidCloneTemplateDestroyDetached
10. VidCloneTemplateDetach
11. VidCloseStatisticsHandle
12. VidControlGpaAccessTracking *(new)*
13. VidCreateCpuGroup
14. VidCreateDaxFileMemoryBlock
15. VidCreateExoPartition
16. VidCreateMemoryBlock
17. VidCreateMemoryBlockGpaRange
18. VidCreateMmioGpaDoorbell *(new)*
19. VidCreateMmioGpaRange
20. VidCreatePartition
21. VidCreateVaGpaRange
22. VidDeleteCpuGroup
23. VidDeletePartition
24. VidDestroyGpaRange
25. VidDestroyGpaRangeCheckSecure
26. VidDestroyMemoryBlock
27. VidDestroyMemoryBlockReadWriteBuffers
28. VidDestroyMmioGpaDoorbell *(new)*
29. VidDispatchVirtualProcessor
30. VidDllStatsGetPartitionCounters
31. VidDllStatsGetSharedBuffer
32. VidDllStatsGetVmPerfRootInstance
33. VidDmBalloon
34. VidDmConsolidationDisable
35. VidDmConsolidationEnable
36. VidDmHotAdd
37. VidDmHotAddUndo
38. VidDmMemoryBlockQueryTopology
39. VidDmSlpDisable
40. VidDmSlpQuery
41. VidDmSlpSetup
42. VidDmSlpWaitForDisable
43. VidDmUnBalloon
44. VidDmWorkingSetModify
45. VidEncryptDecryptData
46. VidEpfRestore
47. VidEpfSave
48. VidEpfSuspendBegin
49. VidEpfSuspendEnd
50. VidExoAccessVaFault
51. VidExoControlGpaAccessTracking
52. VidExoGetLocalInterruptControllerState
53. VidExoMapGpaRange
54. VidExoSetLocalInterruptControllerState
55. VidExoUnmapGpaRange
56. VidFlushMemoryBlockMapping
57. VidFlushMemoryBlockPageRange
58. VidGetCpuGroupProperty
59. VidGetExoPartitionProperty
60. VidGetExoSystemInformation
61. VidGetHvLogicalProcessorCount
62. VidGetHvLogicalProcessorRuntime
63. VidGetHvMemoryBalance
64. VidGetHvPartitionId
65. VidGetHvVpRuntime
66. VidGetIsolationLuid
67. VidGetMemoryBlockProtectionBitmap
68. VidGetPartitionIds
69. VidGetPartitionProperty
70. VidGetProcessorTopology
71. VidGetRootReferenceTime
72. VidGetRpcSession
73. VidGetSecurityCookie
74. VidGetSystemInformation
75. VidGetSystemTopology
76. VidGetVirtualProcessorRunningStatus
77. VidGetVirtualProcessorState
78. VidGetVirtualProcessorStateEx
79. VidGetVirtualProcessorXsaveState
80. VidGpaAccessTrackingDisable *(new)*
81. VidGpaAccessTrackingEnable *(new)*
82. VidHandleMessageAndGetNextMessage
83. VidInitEncryptionKeys
84. VidInjectSyntheticMachineCheckEvent
85. VidInstallExoIntercept
86. VidMapHvGlobalStatsPage
87. VidMapHvLocalStatsPage
88. VidMapHvRootStatsPage
89. VidMapHypercallDoorbellPage
90. VidMapMemoryBlockPageRange
91. VidMapMemoryBlockPageRangeEx
92. VidMapVpStatePage
93. VidMarkPagePoisoned
94. VidMemReserveGetTarget *(new)*
95. VidMemReservePagesAdd
96. VidMemReservePagesRelease
97. VidMemReserveSetTarget *(new)*
98. VidMemXferConnectClose
99. VidMemXferConnectDisable
100. VidMemXferConnectEnable
101. VidMemXferConnectOpen
102. VidMemXferSendAsync
103. VidMessageSlotHandleAndGetNext
104. VidMessageSlotMap
105. VidOpenStatisticsHandle
106. VidPhuBegin
107. VidPhuCommit
108. VidPhuEnd
109. VidPhuFreePersistedData
110. VidPhuOpenMemoryBlockFile
111. VidPhuPersistGpaRange
112. VidPhuPersistMemoryBlock
113. VidPrefetchDirectMapRanges
114. VidProtectMemoryBlockPages
115. VidQueryVaGpaRangeWorkingSetInfo
116. VidReadMemoryBlockPageRange
117. VidReadWriteMappedMemoryBlockPageRange
118. VidReadWriteMemoryBlockPageRange
119. VidRegisterApicEoiHandler
120. VidRegisterCpuidHandler
121. VidRegisterCpuidResult
122. VidRegisterExceptionHandler
123. VidRegisterIoPortHandler
124. VidRegisterMsrHandler
125. VidRegisterTripleFaultHandler
126. VidReleaseEncryptionKeys
127. VidReleasePages
128. VidReservePages
129. VidResetPartition
130. VidResetPoisonedPage
131. VidRestorePartitionState
132. VidSavePartitionState
133. VidSchedulerAssistRestore
134. VidSchedulerAssistSave
135. VidSchedulerAssistSuspend
136. VidSetCpuGroupProperty
137. VidSetMailboxKey
138. VidSetMemoryBlockClientNotifications
139. VidSetMemoryBlockFlushAfterWrite
140. VidSetMemoryBlockNotificationQueue
141. VidSetPartitionFriendlyName
142. VidSetPartitionProperty
143. VidSetPeerProcess
144. VidSetSystemInformation
145. VidSetVirtualProcessorState
146. VidSetVirtualProcessorStateEx
147. VidSetVirtualProcessorXsaveState
148. VidSetupMessageQueue
149. VidSgxResetMemoryBlocks
150. VidStartVirtualProcessor
151. VidStatsMap
152. VidStatsMapNuma
153. VidStatsUnMap
154. VidStatsUnMapNuma
155. VidStopVirtualProcessor
156. VidSuspendApply
157. VidSuspendClear
158. VidTranslateGpa
159. VidTranslateGvaToGpa
160. VidTrimPartitionMemory
161. VidUnmapHvGlobalStatsPage
162. VidUnmapHvLocalStatsPage
163. VidUnmapHvRootStatsPage
164. VidUnmapMemoryBlockPageRange
165. VidUnprotectMemoryBlockPages
166. VidUnregisterCpuidResult
167. VidUnregisterHandler
168. VidVsmCheckGpaPageVtlAccess
169. VidVsmEnableVpVtl
170. VidVsmGetMemoryBlockProtections
171. VidVsmGetPartitionConfig
172. VidVsmPrecommitMgmtVtlPageRange *(new)*
173. VidVsmQueryMemoryBlockProtections
174. VidVsmQueryProtectionsDirty
175. VidVsmSetMemoryBlockProtections
176. VidVsmSetPartitionConfig
177. VidWriteMemoryBlockPageRange

Vid.dll, build 10.0.19564.1000 — Windows 10 20H2, build 19564

1. VidAdjustNestedTlbSize
2. VidAllocateMemoryBlockReadWriteBuffers
3. VidAssertVirtualProcessorInterrupt
4. VidChangePartitionLifeState
5. VidCheckForIntercept
6. VidClearVirtualProcessorInterrupt
7. VidCloneTemplateCreate
8. VidCloneTemplateDestroy
9. VidCloneTemplateDestroyDetached
10. VidCloneTemplateDetach
11. VidCloseStatisticsHandle
12. VidControlGpaAccessTracking
13. VidCreateCpuGroup
14. VidCreateDaxFileMemoryBlock
15. VidCreateExoPartition
16. VidCreateMemoryBlock
17. VidCreateMemoryBlockGpaRange
18. VidCreateMmioGpaDoorbell
19. VidCreateMmioGpaRange
20. VidCreatePartition
21. VidCreateVaGpaRange
22. VidDeleteCpuGroup
23. VidDeletePartition
24. VidDestroyGpaRange
25. VidDestroyGpaRangeCheckSecure
26. VidDestroyMemoryBlock
27. VidDestroyMemoryBlockReadWriteBuffers
28. VidDestroyMmioGpaDoorbell
29. VidDispatchVirtualProcessor
30. VidDllStatsGetPartitionCounters
31. VidDllStatsGetSharedBuffer
32. VidDllStatsGetVmPerfRootInstance
33. VidDmBalloon
34. VidDmConsolidationDisable
35. VidDmConsolidationEnable
36. VidDmHotAdd
37. VidDmHotAddUndo
38. VidDmMemoryBlockQueryTopology
39. VidDmSlpDisable
40. VidDmSlpQuery
41. VidDmSlpSetup
42. VidDmSlpWaitForDisable
43. VidDmUnBalloon
44. VidDmWorkingSetModify
45. VidEncryptDecryptData
46. VidEpfRestore
47. VidEpfSave
48. VidEpfSuspendBegin
49. VidEpfSuspendEnd
50. VidExoAccessVaFault
51. VidExoControlGpaAccessTracking
52. VidExoGetLocalInterruptControllerState
53. VidExoMapGpaRange
54. VidExoSetLocalInterruptControllerState
55. VidExoUnmapGpaRange
56. VidFlushMemoryBlockMapping
57. VidFlushMemoryBlockPageRange
58. VidGetCpuGroupProperty
59. VidGetExoPartitionProperty
60. VidGetExoSystemInformation
61. VidGetHvLogicalProcessorCount
62. VidGetHvLogicalProcessorRuntime
63. VidGetHvMemoryBalance
64. VidGetHvPartitionId
65. VidGetHvVpRuntime
66. VidGetIsolationLuid
67. VidGetMemoryBlockProtectionBitmap
68. VidGetPartitionIds
69. VidGetPartitionProperty
70. VidGetProcessorTopology
71. VidGetRootReferenceTime
72. VidGetRpcSession
73. VidGetSecurityCookie
74. VidGetSystemInformation
75. VidGetSystemTopology
76. VidGetVirtualProcessorRunningStatus
77. VidGetVirtualProcessorState
78. VidGetVirtualProcessorStateEx
79. VidGetVirtualProcessorXsaveState
80. VidGpaAccessTrackingDisable
81. VidGpaAccessTrackingEnable
82. VidHandleMessageAndGetNextMessage
83. VidInitEncryptionKeys
84. VidInjectSyntheticMachineCheckEvent
85. VidInstallExoIntercept
86. VidMapHvGlobalStatsPage
87. VidMapHvLocalStatsPage
88. VidMapHvRootStatsPage
89. VidMapHypercallDoorbellPage
90. VidMapMemoryBlockPageRange
91. VidMapMemoryBlockPageRangeEx
92. VidMapVpStatePage
93. VidMarkPagePoisoned
94. VidMemReserveGetTarget
95. VidMemReserveIoSpacePagesAdd *(new)*
96. VidMemReserveIoSpacePagesRelease *(new)*
97. VidMemReservePagesAdd
98. VidMemReservePagesRelease
99. VidMemReserveSetTarget
100. VidMemXferConnectClose
101. VidMemXferConnectDisable
102. VidMemXferConnectEnable
103. VidMemXferConnectOpen
104. VidMemXferSendAsync
105. VidMessageSlotHandleAndGetNext
106. VidMessageSlotMap
107. VidOpenStatisticsHandle
108. VidPhuBegin
109. VidPhuCommit
110. VidPhuEnd
111. VidPhuFreePersistedData
112. VidPhuOpenMemoryBlockFile
113. VidPhuPersistGpaRange
114. VidPhuPersistMemoryBlock
115. VidPrefetchDirectMapRanges
116. VidProtectMemoryBlockPages
117. VidQueryVaGpaRangeWorkingSetInfo
118. VidReadMemoryBlockPageRange
119. VidReadWriteMappedMemoryBlockPageRange
120. VidReadWriteMemoryBlockPageRange
121. VidRegisterApicEoiHandler
122. VidRegisterCpuidHandler
123. VidRegisterCpuidResult
124. VidRegisterExceptionHandler
125. VidRegisterIoPortHandler
126. VidRegisterMsrHandler
127. VidRegisterTripleFaultHandler
128. VidReleaseEncryptionKeys
129. VidReleasePages
130. VidReservePages
131. VidResetPartition
132. VidResetPoisonedPage
133. VidRestorePartitionState
134. VidSavePartitionState
135. VidSchedulerAssistRestore
136. VidSchedulerAssistSave
137. VidSchedulerAssistSuspend
138. VidSetCpuGroupProperty
139. VidSetMailboxKey
140. VidSetMemoryBlockClientNotifications
141. VidSetMemoryBlockFlushAfterWrite
142. VidSetMemoryBlockNotificationQueue
143. VidSetPartitionCpuFrequencyCap *(new)*
144. VidSetPartitionFriendlyName
145. VidSetPartitionProperty
146. VidSetPeerProcess
147. VidSetSystemInformation
148. VidSetVirtualProcessorState
149. VidSetVirtualProcessorStateEx
150. VidSetVirtualProcessorXsaveState
151. VidSetupMessageQueue
152. VidSgxResetMemoryBlocks
153. VidStartVirtualProcessor
154. VidStatsMap
155. VidStatsMapNuma
156. VidStatsUnMap
157. VidStatsUnMapNuma
158. VidStopVirtualProcessor
159. VidSuspendApply
160. VidSuspendClear
161. VidTranslateGpa
162. VidTranslateGvaToGpa
163. VidTrimPartitionMemory
164. VidUnmapHvGlobalStatsPage
165. VidUnmapHvLocalStatsPage
166. VidUnmapHvRootStatsPage
167. VidUnmapMemoryBlockPageRange
168. VidUnprotectMemoryBlockPages
169. VidUnregisterCpuidResult
170. VidUnregisterHandler
171. VidVsmCheckGpaPageVtlAccess
172. VidVsmEnableVpVtl
173. VidVsmGetMemoryBlockProtections
174. VidVsmGetPartitionConfig
175. VidVsmPrecommitMgmtVtlPageRange
176. VidVsmQueryMemoryBlockProtections
177. VidVsmQueryProtectionsDirty
178. VidVsmSetMemoryBlockProtections
179. VidVsmSetPartitionConfig
180. VidWriteMemoryBlockPageRange