

```
5
      // CLRConfigValues.h
6
      //
7
8
      //
      // Unified method of accessing configuration values from environment variables,
9
      // registry and config file.
10
11
      12
13
      // IMPORTANT: Before adding a new config value, please read up on naming conventions (see
14
      // code:#NamingConventions)
15
16
      // =======
17
      // CONTENTS
18
      // =======
19
      // * How to define config values (see code:#Define)
20
      // * How to access config values (see code:#Access)
21
      // * Naming conventions (see code:#NamingConventions)
22
      //
23
24
      //
25
      // #Define - Use one of the following macros to define config values. (See code:#DWORDs and code:#S
26
```

```
27
     28
     // By default, all macros are DEBUG ONLY. Add the "RETAIL_" prefix to make the config value availab
29
30
     //
     // #DWORDs:
31
     // -----
32
33
     // CONFIG_DWORD_INFO(symbol, name, defaultValue, description)
34
     // Use this macro to define a basic DWORD value. CLRConfig will look in environment variables (addi
35
     // COMPlus_ to the name), the registry (HKLM and HKCU), and all the config files for this value. To
36
     // where CLRConfig looks, use the extended version of the macro below. IMPORTANT: please follow the
37
     // code:#NamingConventions for the symbol and the name!
38
39
     //
     // Example: CONFIG DWORD INFO(INTERNAL AllowCrossModuleInlining, W("AllowCrossModuleInlining"), 0,
40
41
     // -----
42
43
     // CONFIG_DWORD_INFO_EX(symbol, name, defaultValue, description, lookupOptions)
     // -----
44
     // To customize where CLRConfig looks to get a DWORD, use the extended (_EX) version of the macro.
45
     // of options and their descriptions, see code:CLRConfig.LookupOptions
46
47
     //
     // Example: CONFIG DWORD INFO EX(INTERNAL EnableInternetHREFexes, W("EnableInternetHREFexes"), 0,
48
     // (CLRConfig::LookupOptions) (CLRConfig::IgnoreHKCU))
49
50
     //
     // #Strings:
51
     // -----
52
     // CONFIG_STRING_INFO(symbol, name, description)
53
     // -----
54
     // Defines a string value. Same rules apply as DWORDs.
55
56
     // -----
57
     // CONFIG_STRING_INFO_EX(symbol, name, description, lookupOptions)
58
59
     // Extended version of the String macro. Again, similar to the DWORD extended macro.
60
     //
61
62
63
     // -----
     // #Access - Use the following overloaded method to access config values.
64
     65
     // From anywhere, use CLRConfig::GetConfigValue(CLRConfig::<symbol>) to access any value defined in
     // file.
67
     //
68
70
     // -----
71
     // #NamingConventions
72
```

```
73
       // -----
74
        // #Symbol - used to access values from the source. (using CLRConfig::<symbol>)
75
        // -----
76
        // The symbol for each config value is named as such:
77
       // ### <Class>_<feature area>_<name> ###
78
79
       // <Class> indicates which of the following buckets the value is in:
80
        // * INTERNAL ? this value is for internal (CLR team) use only
        // * UNSUPPORTED ? this value is available to partners/developers, but is not officially supported
82
        // * EXTERNAL ? this value is available for anyone to use and is publicly documented
83
       //
       // Examples:
       // * INTERNAL Security FullAccessChecks
85
86
       // * UNSUPPORTED_Security_DisableTransparency
        // * EXTERNAL Security LegacyHMACMode
88
       // -----
89
90
       // #Name - the name of the registry value or environment variable that CLRConfig looks up.
91
92
        // The name of each value is the same as the symbol, with one exception. Names of external values of
        // contain the EXTERNAL prefix.
94
       // For compatibility reasons, current names do not follow the convention.
95
96
97
       // Examples:
98
       // * W("INTERNAL_Security_FullAccessChecks")
99
        // * W("UNSUPPORTED_Security_DisableTransparency")
        // * W("Security_LegacyHMACMode") <----- (No EXTERNAL prefix)
100
101
102
       ///
       /// AppDomain
103
        ///
104
105
       CONFIG_DWORD_INFO(INTERNAL_ADDumpSB, W("ADDumpSB"), 0, "Not used")
        CONFIG_DWORD_INFO(INTERNAL_ADForceSB, W("ADForceSB"), 0, "Forces sync block creation for all object
106
        CONFIG_DWORD_INFO(INTERNAL_ADLogMemory, W("ADLogMemory"), 0, "Superseded by test hooks")
107
108
        CONFIG_DWORD_INFO(INTERNAL_ADTakeDHSnapShot, W("ADTakeDHSnapShot"), 0, "Superseded by test hooks")
109
        CONFIG_DWORD_INFO(INTERNAL_ADTakeSnapShot, W("ADTakeSnapShot"), 0, "Superseded by test hooks")
        CONFIG DWORD INFO DIRECT ACCESS(INTERNAL EnableFullDebug, W("EnableFullDebug"), "Heavy-weight check
110
111
112
        ///
113
        /// Jit Pitching
       ///
114
115
        RETAIL_CONFIG_DWORD_INFO(INTERNAL_JitPitchEnabled, W("JitPitchEnabled"), (DWORD)0, "Set it to 1 to
116
        RETAIL_CONFIG_DWORD_INFO(INTERNAL_JitPitchMemThreshold, W("JitPitchMemThreshold"), (DWORD)0, "Do Ji
        RETAIL_CONFIG_DWORD_INFO(INTERNAL_JitPitchMethodSizeThreshold, W("JitPitchMethodSizeThreshold"), ([
117
        RETATI CONFIG DWORD INFO/INTERNAL litPitchTimeInterval W("litPitchTimeInterval") (DWORD)A "Time
112
```

• - 31/10/2024 19:24				dad55a0d9870732 · dotnet/runtime · 0732/src/coreclr/src/inc/clrconfigvalues		
giti iub.com/uoti iet/i untiime	FD10D/102693410a17996	aeccobos47 adadoo	a0090101321316/601	16611/316/1116/61160111	igvalue	
WEINTE_COM TO_D	MOUNTIN 0/THIENNYETAT	reemirmermee var,	, "(510,100,111101,	icci var /, (DNOND)	ست، و∨	

G	tHub - 31/10/2024 19:24 ps://github.com/dotnet/runtime/blob/f62e93416a1799aecc6b0947adad55a0d9870732/src/coreclr/src/inc/clrconfigvalues 8	

G	tHub - 31/10/2024 19:24 ps://github.com/dotnet/runtime/blob/f62e93416a1799aecc6b0947adad55a0d9870732/src/coreclr/src/inc/clrconfigvalues 8	

G	tHub - 31/10/2024 19:24 ps://github.com/dotnet/runtime/blob/f62e93416a1799aecc6b0947adad55a0d9870732/src/coreclr/src/inc/clrconfigvalues 8	

G	tHub - 31/10/2024 19:24 ps://github.com/dotnet/runtime/blob/f62e93416a1799aecc6b0947adad55a0d9870732/src/coreclr/src/inc/clrconfigvalues 8	

G	tHub - 31/10/2024 19:24 ps://github.com/dotnet/runtime/blob/f62e93416a1799aecc6b0947adad55a0d9870732/src/coreclr/src/inc/clrconfigvalues 8	

C:41	lime/src/corect//src/ind lub - 31/10/2024 19:24 s://github.com/dotnet/rur			

C:41	lime/src/corect//src/ind lub - 31/10/2024 19:24 s://github.com/dotnet/rur			

G	tHub - 31/10/2024 19:24 ps://github.com/dotnet/runtime/blob/f62e93416a1799aecc6b0947adad55a0d9870732/src/coreclr/src/inc/clrconfigvalues 8	

G	tHub - 31/10/2024 19:24 ps://github.com/dotnet/runtime/blob/f62e93416a1799aecc6b0947adad55a0d9870732/src/coreclr/src/inc/clrconfigvalues 8	

C:41	lime/src/corect//src/ind lub - 31/10/2024 19:24 s://github.com/dotnet/rur			

G	tHub - 31/10/2024 19:24 ps://github.com/dotnet/runtime/blob/f62e93416a1799aecc6b0947adad55a0d9870732/src/coreclr/src/inc/clrconfigvalues 8	

G	tHub - 31/10/2024 19:24 ps://github.com/dotnet/runtime/blob/f62e93416a1799aecc6b0947adad55a0d9870732/src/coreclr/src/inc/clrconfigvalues 8	

```
741
        // DO NOT ADD ANY MORE CONFIG SWITCHES TO THIS SECTION!
742
        // **
        CONFIG_DWORD_INFO_EX(INTERNAL_ActivatePatchSkip, W("ActivatePatchSkip"), 0, "Allows an assert when
743
        CONFIG_DWORD_INFO_DIRECT_ACCESS(INTERNAL_AlwaysUseMetadataInterfaceMapLayout, W("AlwaysUseMetadataI
744
        CONFIG_DWORD_INFO(INTERNAL_AssertOnUnneededThis, W("AssertOnUnneededThis"), 0, "While the ConfigDWO
745
        CONFIG DWORD INFO EX(INTERNAL AssertStacktrace, W("AssertStacktrace"), 1, "", CLRConfig::EEConfig d
746
        CONFIG_DWORD_INFO_EX(INTERNAL_clearNativeImageStress, W("clearNativeImageStress"), 0, "", CLRConfig
747
748
        CONFIG_DWORD_INFO_DIRECT_ACCESS(INTERNAL_CPUFamily, W("CPUFamily"), "")
        CONFIG DWORD INFO DIRECT ACCESS(INTERNAL CPUFeatures, W("CPUFeatures"), "")
749
        RETAIL_CONFIG_DWORD_INFO_EX(EXTERNAL_DisableConfigCache, W("DisableConfigCache"), 0, "Used to disab
750
751
        RETAIL_CONFIG_DWORD_INFO_DIRECT_ACCESS(EXTERNAL_DisableStackwalkCache, W("DisableStackwalkCache"),
        RETAIL_CONFIG_DWORD_INFO_DIRECT_ACCESS(UNSUPPORTED_DoubleArrayToLargeObjectHeap, W("DoubleArrayToLa
752
        CONFIG STRING INFO(INTERNAL DumpOnClassLoad, W("DumpOnClassLoad"), "Dumps information about loaded
753
        CONFIG_DWORD_INFO_DIRECT_ACCESS(INTERNAL_ExpandAllOnLoad, W("ExpandAllOnLoad"), "")
754
755
        CONFIG_STRING_INFO_DIRECT_ACCESS(INTERNAL_ForcedRuntime, W("ForcedRuntime"), "Verify version of CLF
        CONFIG_DWORD_INFO_EX(INTERNAL_ForceRelocs, W("ForceRelocs"), 0, "", CLRConfig::EEConfig_default)
756
        CONFIG DWORD INFO DIRECT ACCESS(INTERNAL GenerateLongJumpDispatchStubRatio, W("GenerateLongJumpDisp
757
758
        CONFIG_DWORD_INFO_EX(INTERNAL_HashStack, W("HashStack"), 0, "", CLRConfig::EEConfig_default)
759
        CONFIG DWORD INFO(INTERNAL HostManagerConfig, W("HostManagerConfig"), (DWORD)-1, "")
```

```
760
        CONFIG_DWORD_INFO(INTERNAL_HostTestThreadAbort, W("HostTestThreadAbort"), 0, "")
761
        RETAIL CONFIG DWORD INFO EX(UNSUPPORTED IgnoreDllMainReturn, W("IgnoreDllMainReturn"), 0, "Don't ch
        CONFIG_STRING_INFO(INTERNAL_InvokeHalt, W("InvokeHalt"), "Throws an assert when the given method is
762
763
        CONFIG DWORD INFO DIRECT ACCESS(INTERNAL MaxStackDepth, W("MaxStackDepth"), "")
764
        CONFIG DWORD INFO DIRECT ACCESS(INTERNAL MaxStubUnwindInfoSegmentSize, W("MaxStubUnwindInfoSegmentS
        CONFIG_DWORD_INFO_DIRECT_ACCESS(INTERNAL_MaxThreadRecord, W("MaxThreadRecord"), "")
765
        CONFIG_DWORD_INFO(INTERNAL_MessageDebugOut, W("MessageDebugOut"), 0, "")
766
        RETAIL CONFIG DWORD INFO EX(EXTERNAL NativeImageRequire, W("NativeImageRequire"), 0, "", CLRConfig:
767
        CONFIG DWORD INFO EX(INTERNAL NestedEhOom, W("NestedEhOom"), 0, "", CLRConfig::EEConfig default)
768
        #define INTERNAL_NoGuiOnAssert_Default 1
769
770
        RETAIL_CONFIG_DWORD_INFO_EX(INTERNAL_NoGuiOnAssert, W("NoGuiOnAssert"), INTERNAL_NoGuiOnAssert_Defa
        RETAIL CONFIG DWORD INFO EX(EXTERNAL NoProcedureSplitting, W("NoProcedureSplitting"), 0, "", CLRCor
771
        CONFIG DWORD INFO EX(INTERNAL NoStringInterning, W("NoStringInterning"), 1, "Disallows string inter
772
        RETAIL CONFIG DWORD INFO DIRECT ACCESS(EXTERNAL NotifyBadAppCfg, W("NotifyBadAppCfg"), "Whether to
773
774
        CONFIG DWORD INFO DIRECT ACCESS(INTERNAL PauseOnLoad, W("PauseOnLoad"), "Stops in SystemDomain::ini
        CONFIG DWORD INFO(INTERNAL PerfAllocsSizeThreshold, W("PerfAllocsSizeThreshold"), 0x3FFFFFFFF, "Log
775
        CONFIG_DWORD_INFO(INTERNAL_PerfNumAllocsThreshold, W("PerfNumAllocsThreshold"), 0x3FFFFFFF, "Log fa
776
        CONFIG STRING INFO(INTERNAL PerfTypesToLog, W("PerfTypesToLog"), "Log facility LF GCALLOC logs obje
777
778
        RETAIL CONFIG DWORD INFO(EXTERNAL Prepopulate1, W("Prepopulate1"), 1, "")
        CONFIG STRING INFO(INTERNAL PrestubGC, W("PrestubGC"), "")
779
        CONFIG STRING INFO(INTERNAL PrestubHalt, W("PrestubHalt"), "")
780
781
        RETAIL_CONFIG_STRING_INFO(EXTERNAL_RestrictedGCStressExe, W("RestrictedGCStressExe"), "")
        CONFIG DWORD_INFO_EX(INTERNAL_ReturnSourceTypeForTesting, W("ReturnSourceTypeForTesting"), 0, "Allo
782
        RETAIL CONFIG DWORD INFO EX(UNSUPPORTED RSStressLog, W("RSStressLog"), 0, "Allows turning on loggir
783
        CONFIG_DWORD_INFO_DIRECT_ACCESS(INTERNAL_SaveThreadInfo, W("SaveThreadInfo"), "")
784
785
        CONFIG DWORD INFO DIRECT ACCESS(INTERNAL SaveThreadInfoMask, W("SaveThreadInfoMask"), "")
        CONFIG DWORD INFO(INTERNAL SBDumpOnNewIndex, W("SBDumpOnNewIndex"), 0, "Used for Syncblock debuggir
786
        CONFIG_DWORD_INFO(INTERNAL_SBDumpOnResize, W("SBDumpOnResize"), 0, "Used for Syncblock debugging. I
787
        CONFIG_DWORD_INFO(INTERNAL_SBDumpStyle, W("SBDumpStyle"), 0, "Used for Syncblock debugging. It's be
788
        RETAIL CONFIG STRING INFO DIRECT ACCESS(UNSUPPORTED ShimDatabaseVersion, W("ShimDatabaseVersion"),
789
        RETAIL CONFIG DWORD INFO(UNSUPPORTED SleepOnExit, W("SleepOnExit"), 0, "Used for 1rak detection. I
790
        CONFIG DWORD INFO DIRECT ACCESS(INTERNAL_StubLinkerUnwindInfoVerificationOn, W("StubLinkerUnwindInf
791
        RETAIL CONFIG DWORD INFO EX(UNSUPPORTED SuccessExit, W("SuccessExit"), 0, "", CLRConfig::EEConfig_d
792
        RETAIL CONFIG DWORD INFO DIRECT ACCESS(EXTERNAL SymbolReadingPolicy, W("SymbolReadingPolicy"), "Spe
793
        RETAIL CONFIG DWORD INFO(UNSUPPORTED TestDataConsistency, W("TestDataConsistency"), FALSE, "Allows
794
        RETAIL_CONFIG_DWORD_INFO_EX(EXTERNAL_ThreadGuardPages, W("ThreadGuardPages"), 0, "", CLRConfig::EE
795
        RETAIL CONFIG DWORD INFO EX(EXTERNAL Timeline, W("Timeline"), 0, "", CLRConfig::EEConfig default)
796
        RETAIL CONFIG DWORD INFO DIRECT ACCESS(UNSUPPORTED TotalStressLogSize, W("TotalStressLogSize"), "To
797
798
        #ifdef DEBUG
799
        RETAIL_CONFIG_DWORD_INFO_DIRECT_ACCESS(EXTERNAL_TraceIUnknown, W("TraceIUnknown"), "")
800
        RETAIL CONFIG DWORD INFO DIRECT ACCESS(EXTERNAL TraceWrap, W("TraceWrap"), "")
801
802
        #endif
803
804
        RETAIL CONFIG DWORD INFO DIRECT ACCESS(EXTERNAL TURNOFFDEBUGINFO, W("TURNOFFDEBUGINFO"), "")
        RETATI CONFIG DWORD INFO/FXTERNAL UseMethodDataCache W("UseMethodDataCache") FALSE "Used during
205
```

```
RETALL_COME TO_DROUD_IM OFERTEUME_OSCINCTIONDUCUCUNG # OSCINCTIONDUCUCUNG /) TALSE; OSCU MULTING
000
       RETAIL_CONFIG_DWORD_INFO(EXTERNAL_UseParentMethodData, W("UseParentMethodData"), TRUE, "Used during
806
       CONFIG_DWORD_INFO_DIRECT_ACCESS(INTERNAL_VerifierOff, W("VerifierOff"), "")
807
        RETAIL_CONFIG_DWORD_INFO_DIRECT_ACCESS(EXTERNAL_VerifyAllOnLoad, W("VerifyAllOnLoad"), "")
808
       // **
809
        // PLEASE MOVE ANY CONFIG SWITCH YOU OWN OUT OF THIS SECTION INTO A CATEGORY ABOVE
810
811
        // DO NOT ADD ANY MORE CONFIG SWITCHES TO THIS SECTION!
812
       // **
813
814
```