

### Message Severity

-1	NONE	Do not use, system use only
0	CRIT	Something has gone wrong and immediate attention is required
1	ERR	Something has gone wrong and should be addressed, but does not require immediate attention
2	WARN	Something unexpected happened, but is not necessarily a bug
3	INFO	Progress output or general information. INFO logging and a properly configured LogToConsole listener may be used in place of Console.WriteLine()
4	DEBUG	Debug information, info dumps, etc.
5	DEBUG2	Debug information, info dumps, etc.
6	DEBUG3	Debug information, info dumps, etc.
10	REPORTING	Reporting and performance logging

### Format Tokens

{attr1} - {attr8}	Attributes 1 through 8
{errorclass}	Error Class
{errorsubclass}	Error Subclass
{app}	The Application Name
{assemblyversion}	The Assembly Version
{machinename}	Machine Name
{processid}	Process ID
{threadid}	Thread ID
{msgid}	Message ID
{severity}	Severity
{source}	Source
{tag}	Tag (from Config)
{eventtime}	Event Date
{day}	Event Date - Day
{month}	Event Date - Month
{year}	Event Date - Year
{hour}	Event Date - Hour
{minute}	Event Date - Minute
{second}	Event Date - Second
{message}	Message Body

### Severity Filter

EnumValue	Integer representing any valid message severity ("2" = WARN)
EnumValueRange	Inclusive range of message severities ("0-2" = CRIT, ERR, & WARN)
EnumName	String representing a severity enum name ("Crit" = CRIT)
Comma separated list of expressions (EnumValues, EnumValueRanges, and/or EnumNames) representing the message severities to be processed by a log listener ("1-3, Debug, 10" = ERR, WARN, INFO, DEBUG, & REPORTING)	

### MCLog.LogToConsole

SeverityFilter	CRIT, ERR	Filter describing severities to log
Format	{message}	Format to use for output {Supports format tokens}

### MCLog.LogToDB2

SeverityFilter	CRIT, ERR	Filter describing severities to log
ConnectionString		Name of connection string to use
MaxAge	MaxValue	TimeSpan indicating how long to retain logging
MaxDays		Number of days to retain logging (overridden by MaxAge)
CleanupProbability Denominator	1000	Probability of triggering cleanup (Probability = 1/Denominator)

### MCLog.LogToEmail

SeverityFilter	CRIT, ERR	Filter describing which severities to log
MailServer		SMTP server address
Port	25	SMTP server port
From		Email message from address
To		Comma delimited list of email message recipient addresses
Subject		Email message subject {Supports format tokens}
Body	{message} ...	Email message body {Supports format tokens}



### MCLog.LogToEventLog

SeverityFilter	CRIT, ERR	Filter describing severities to log
EventLogSource	Application Error	Source string to use in event log message
Format	{message} ...	Format to use for output {Supports format tokens}

### MCLog.LogToFile

SeverityFilter	CRIT, ERR	Filter describing severities to log
<b>BasePath</b>		Absolute log file path (combined with <i>FilePath</i> )
<b>FilePath</b>		Relative log file path and file name {Supports format tokens}
Format	Event...	Format to use for output {Supports format tokens}
MaxRetries	3	Number of retries when writing to file fails
RetryDelay	250ms	TimeSpan indicating pause between retries when writing to file fails
Delimiter	-----	Delimiter separating messages in file
MaxAge	MaxValue	TimeSpan indicating how long to retain logging
MaxDays		Number of days to retain logging (Overridden by <i>MaxAge</i> )
CleanupProbability Denominator	1000	Probability of triggering cleanup (Probability = 1/Denominator)

### MCLog.LogToFunction

SeverityFilter	CRIT, ERR	Filter describing severities to log
Format	{message}	Format to use for output {Supports format tokens}

### MCLog.LogToString

SeverityFilter	CRIT, ERR	Filter describing severities to log
Format	{message}.	Format to use for output {Supports format tokens}

### MCLog.UserMessages

SeverityFilter	CRIT, ERR	Filter describing severities to log
Format	{message}	Format to use for output {Supports format tokens}
MaxQueueSize	100	Max number of user messages to queue for retrieval

