RegEx Cheat Sheet

Anchors		
٨	Start of line	
\ A	Start of string	
\$	End of line	
\ Z	End of string	
\ b	Word boundary	
\ B	Not word boundary	
\<	Start of word	
/>	End of word	

	Character Classes
\c	Control character
\ s	White space
\ S	Not white space
\d	Digit
\D	Not digit
\ w	Word
$\setminus \mathbf{W}$	Not word
\xhh	Hex character

Quantifiers		
*	0 or more	
+	1 or more	
?	0 or 1	
{3}	Exactly 3	
{3,}	3 or more	
{3,5}	3, 4, or 5 +	

	Pattern Modifiers
g	Global match
i	Case insensitive
S	String as single line
m	Multiple lines
\mathbf{U}	Ungreedy pattern

	Special Characters
\	Escape character
\n	New line
\r	Carriage return
\r	Tab
\ v	Vertical tab
\ f	Form feed
∖a	Alarm
[\b]	Backspace
\e	Escape

Ranges		
•	Any character except new line	
(a b)	a or b	
()	Group	
(?:)	Passive Group	
[^abc]	Not a or b or c	
[a-q]	Lowercase letter between a and q	
[A-Q]	Uppercase letter between A and Q	
[0-7]	Digit between 0 and 7	

Assertions		
(?=)	Lookahead assertion	
(?!)	Negative lookahead	
(?<=)	Lookbehind assertion	
(?!=) or (?)</td <td>Negative Lookbehind</td>	Negative Lookbehind	
(?())	If Then Condition	
(?())	If Then Else Condition	
(?#)	Comment	

Mataahayaataya	* 1000 (\
Metacharacters	. * + ? ^ \$ [() { . \
(Escape These!)	



Common DFIR RegEx

Common Hash Formats

MD5 [a-fA-F0-9]{32} SHA256 [a-fA-F0-9]{64} SHA1 [a-fA-F0-9]{40} SHA512 [a-fA-F0-9]{128}

IP Addresses

IPv4 (Simple) (?:\d{1,3}\.){3}\d{1,3}

IPv4 (Accurate) (?:(?:25[0-5]|2[0-4][0-9]|[01]?[0-9][0-9]?)\.){3}(?:25[0-5]|2[0-4][0-

9]|[01]?[0-9][0-9]?)

IPv6 (?:[a-fA-F0-9]{1,4}:){7}[a-fA-F0-9]{1,4}

MAC Address

MAC [0-9A-F]{2}([-:]?)(?:[0-9A-F]{2}\1){4}[0-9A-F]{2}

Encoding / Data Format

Base64 \(\alpha(?:[A-Za-z0-9+/]\{4\})*(?:[A-Za-z0-9+/]\{2\}==|[A-Za-z0-9+/]\{3\}=)?\\$

Hex /^#?([a-f0-9]{6}|[a-f0-9]{3})\$/

E-Mail

Address /^([a-z0-9 \.-]+)@([\da-z\.-]+)\.([a-z\.]{2,6})\$/

URLs

Constituent parts of (?i)(?<URL>(?<scheme>https?)://(?<domain>[^/:]+(?<=\.(?<TL D>[^/:]+)))(?(?=:):(?<port>\d{1,5})|)(?(?=/)(?<URI>/[^/]+)+(?<f

Insensitive inline modifier | ile>/[^.]+\.\S+)?))

Constituent parts of HTTP/HTTPS URL - No.

HTTP/HTTPS URL - No +(?<=\.(?<TLD>[^/:]+)))(?(?=:):(?<port>\d{1,5})|)(?(?=/)(?<U

modifier $RI > /[^/]+)+(?<file>/[^.]+..\S+)?))$

Directory/File Path

Drive $(?x)(?>\b[a-z]:|\\[a-z0-9 \%._~-]{1,63}\[a-z0-9 $\%._~-]{1,80})\$

Folder $(?>[^\\/:*?"<>|\x00-\x1F]{0,254}[^.\\/:*?"<>|\x00-\x1F]\\)* File <math>(?>[^\\/:*?"<>|\x00-\x1F]{0,254}[^.\\/:*?"<>|\x00-\x1F])?$

Standard Path (?>\b[a-z]:|\\\\[a-z0-9 \%. ~-]\{1,63\\\[a-z0-9 \\$\%. ~-

x1F]\\)*(?>[^\\/:*?"<|\x00-\x1F]{0,254}[^.\\/:*?"<|\x00-\x1F])?

(<URL>(?<scheme>[hH][tT]{2}[pP][sS]?)://(?<domain>[^/:]

Windows Path [a-z]:\\(?>[^\\/:*?"<\\x00-\x1F]{0,254}[^.\\/:*?"<\\x00-\x00-\x1F]

 $\x1F$]\\)*(?>[^\\/:*?"\left\\x00-\x1F]\{0,254}[^.\\/:*?"\left\\x00-\x1F])?

