regular expressions 101

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SAVE & SHARE

Regex Version: **ver. 1**

Update Regex ctrl+⇧+s

Save new Regex ctrl+s

Add to Community Libr...

FLAVOR

- **PCRE2 (PHP >=7.3)** ✓
- PCRE (PHP <7.3)
- ECMAScript (JavaScript)
- Python
- Golang
- Java 8
- .NET 7.0 (C#)
- Rust
- Regex Flavor Guide

FUNCTION

- **Match** ✓
- Substitution
- List
- Unit Tests

TOOLS

- Code Generator
- Regex Debugger
- Export Matches
- Benchmark Regex

REGULAR EXPRESSION

2 matches (304 steps, 6.14ms)

```
/ .*(-(W|R)(•|")(([0-9a-fA-F]{2})•){2,20}).*    / gm
```

TEST STRING

```
pnscan•-W"05•5A•37"•-R"FF•00•FF"•192.168.0.32•145↵
↵
/usr/local/bin/pnscan•-t512•-R•6f•73•3a•4c•69•6e•75•78•-W•2a•31•0d•0a•24•34•0d•0a•69•6e•66•6f•0d•0a•221.0.0.0/16•6379↵
↵
```

5:1

EXPLANATION

/ .*(-(W|R)(•|")(([0-9a-fA-F]{2})•){2,20}).* / gm

- `.` matches any character (except for line terminators)
- `*` matches the previous token between `zero` and `unlimited` times, as many times as possible, giving back as needed (greedy)
- **1st Capturing Group** `(-(W|R)(•|")(([0-9a-fA-F]{2})•){2,20})`
  - `-` matches the character `-` with index 45_{10} ($2D_{16}$ or 55_{8}) literally (case sensitive)
  - **2nd Capturing Group** `(W|R)`
    - **1st Alternative** `W`
      - `W` matches the character `W` with index 87_{10} (57_{16} or 127_{8}) literally (case sensitive)

MATCH INFORMATION

Match 1	0-49	pnscan•-W"05•5A•37"•-R"FF•00•FF"•192.168.0.32•145
Group 1	20-29	-R"FF•00•
Group 2	21-22	R
Group 3	22-23	"
Group 4	26-29	00•
Group 5	26-28	00
Match 2	51-168	/usr/local/bin pnscan•-t512•- •6f•73•3a•4c•6 •6e•75•78•-W•2 •31•0d•0a•24•3 •0d•0a•69•6e•6 •6f•0d•0a•...

QUICK REFERENCE

Search reference

- All Tokens
- **Common Tokens** ✓
- General Tokens
- Anchors
- Meta Sequences
- Quantifiers
- Group Constructs
- Character Classes
- Flags/Modifiers
- Substitution

[abc]	
[^abc]	
[a-z]	
[^a-z]	
[a-zA-Z	
An...	.
A...	a|b
A...	\s
A...	\S
A...	\d
A...	\D
A...	\w
A...	\W
(?:...	
(...)	