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macros.rs

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1 macro_rules! impl_to_perf_string_on_to_string {
2     ($($t:ty), *) => {
3         $(
4             impl ToPerfString for $t {
5                 fn to_perf_string(&self) -> String {
6                     self.to_string()
7                 }
8             }
9         )*
10    };
11 }
12
13 /// Let's you simply create a resource from multiple metrics. It's a bit like the vec! macro.
14 /// ```rust
15 /// # #[macro_use]
16 /// # extern crate nagiosplugin;
17 /// #
18 /// # use nagiosplugin::{SimpleMetric, State};
19 /// #
20 /// # fn main() {
21 /// #     let m1 = SimpleMetric::new("test", Some(State::Ok), 12, None, None, None, None);
22 /// #     let m2 = SimpleMetric::new("other", None, true, None, None, None, None);
23 /// #     let resource = resource![m1, m2];
24 /// # }
25 /// ```
26 #[macro_export]
27 macro_rules! resource {
28     ($($m:expr), *) => {
29         {
30             use $crate::Resource;
31             let mut r = Resource::new(None, None);
32             $(
33                 r.push($m);
34             )*
35             r
36         }
37     };
38 }
39
40 macro_rules! metric_string {
41     ($name:expr, $($tps:expr), *) => {
42         {
43             let mut s = String::new();
44             s.push_str(&format!("{}", $name));
45             $(
46                 s.push_str(&$tps.to_perf_string());
47                 s.push(';');
48             )*
49             s.trim_end_matches(';').to_string()
50         }
51     };
52 }
53
54 #[cfg(test)]
55 mod tests {
56     use crate::SimpleMetric;
57
58     #[test]
59     fn test_resource_macro() {
60         let m1 = SimpleMetric::new("test", None, 12, None, None, None, None);
61         let m2 = m1.clone();
62
63         let _resource = resource![m1.clone()];
64         let _resource = resource![m1.clone(), m2.clone()];
65     }
66 }

```