

# Kernel

## printf

### modify format for vprintf

To modify format string to f.e.:

- add log level
- add prefix
- solve  
[<https://stackoverflow.com/questions/54430645/how-to-use-a-variable-as-a-format-string-in-prin>tk|How to use a variable as a format string in printf]]

Special structure `struct va_format` and special format character `%pV` was added to Kernel.

Examples:

```
va_list args;
struct va_format vaf = {
    .fmt = format,
};
va_start(args, format);
vaf.va = &args;
printf(KERN_DEBUG "[TPS] %pV", &vaf);
va_end(args);
```

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