

Securing memcache or, **Tales from Encryption**



What's memcache?

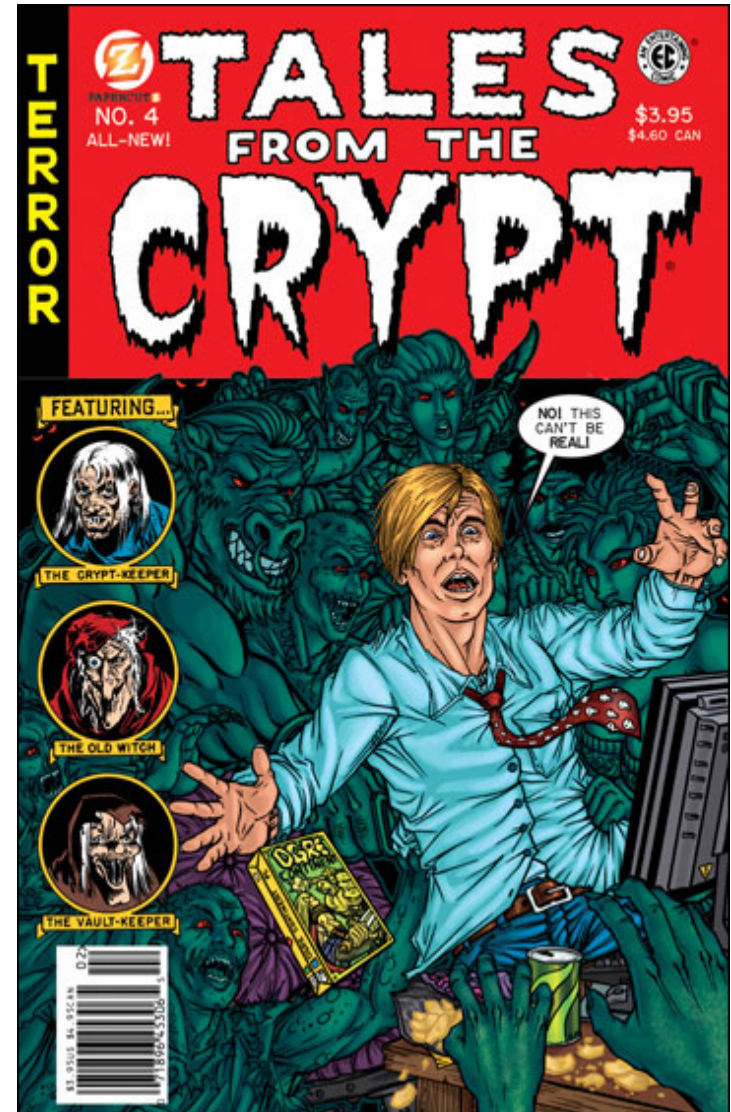


Who's big idea?



Why secure memcache?

- SASL authenticates
- yaSSL also encrypts



Who cares?

- Policy enforcement
- Sensitive Data
- Masking Data behind firewall



The Cloud Cares



How do I use it?

-T

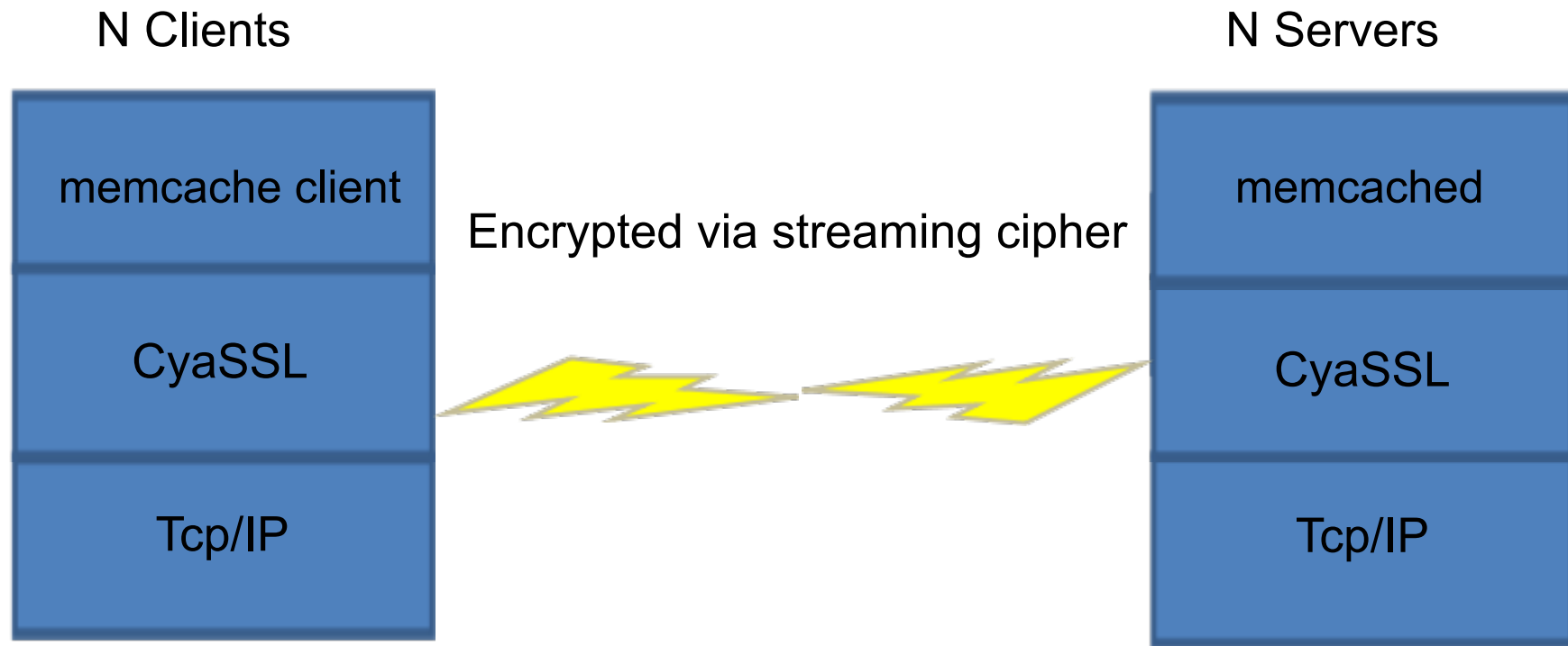


When is it available?

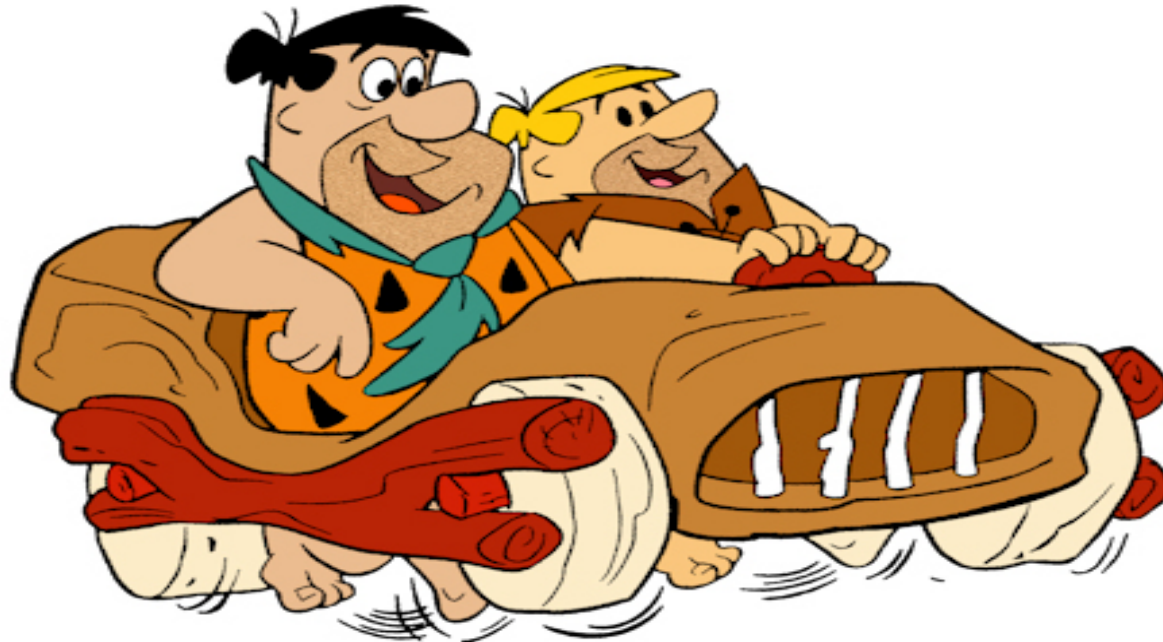
- Beta now



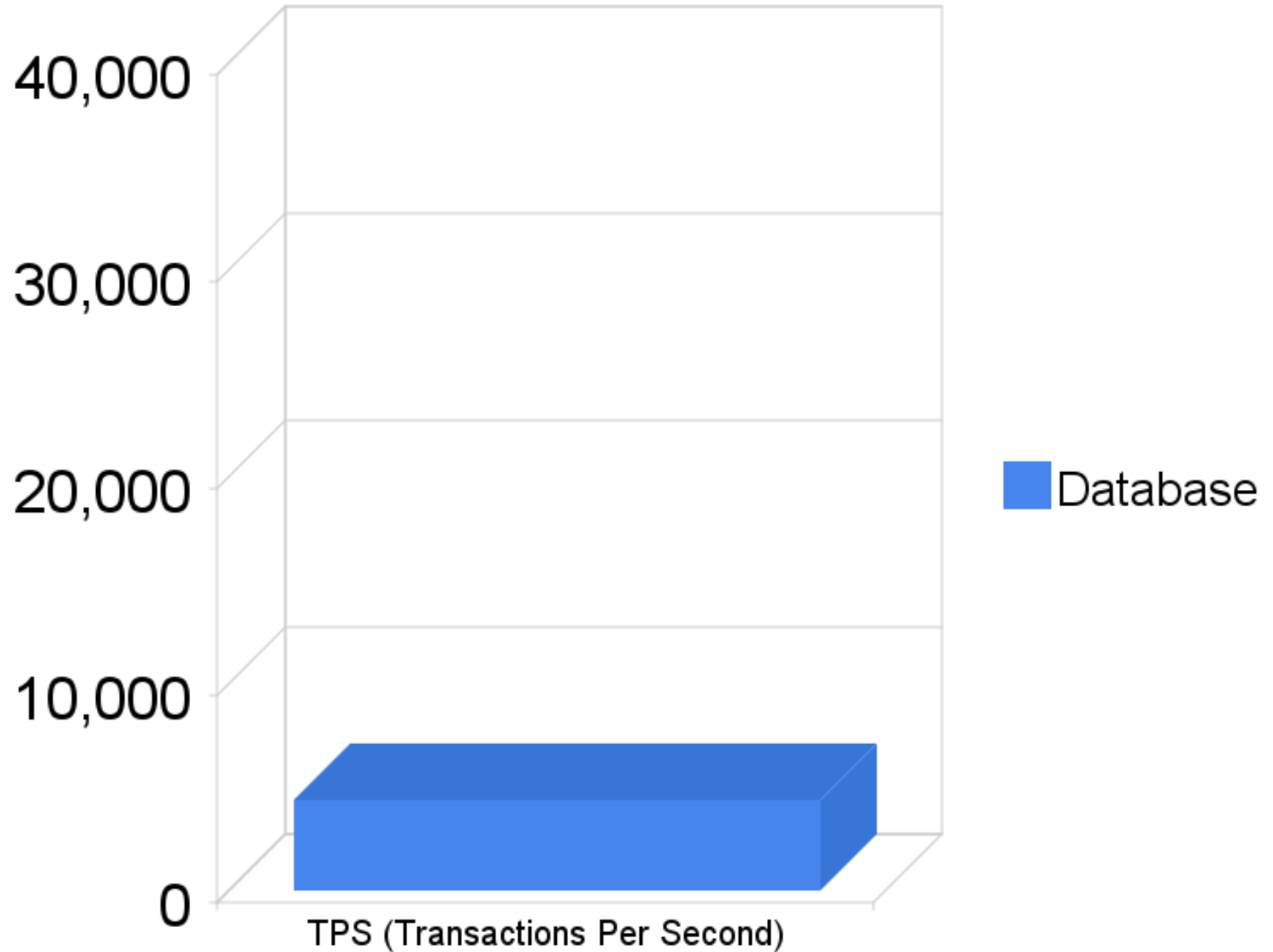
How it works



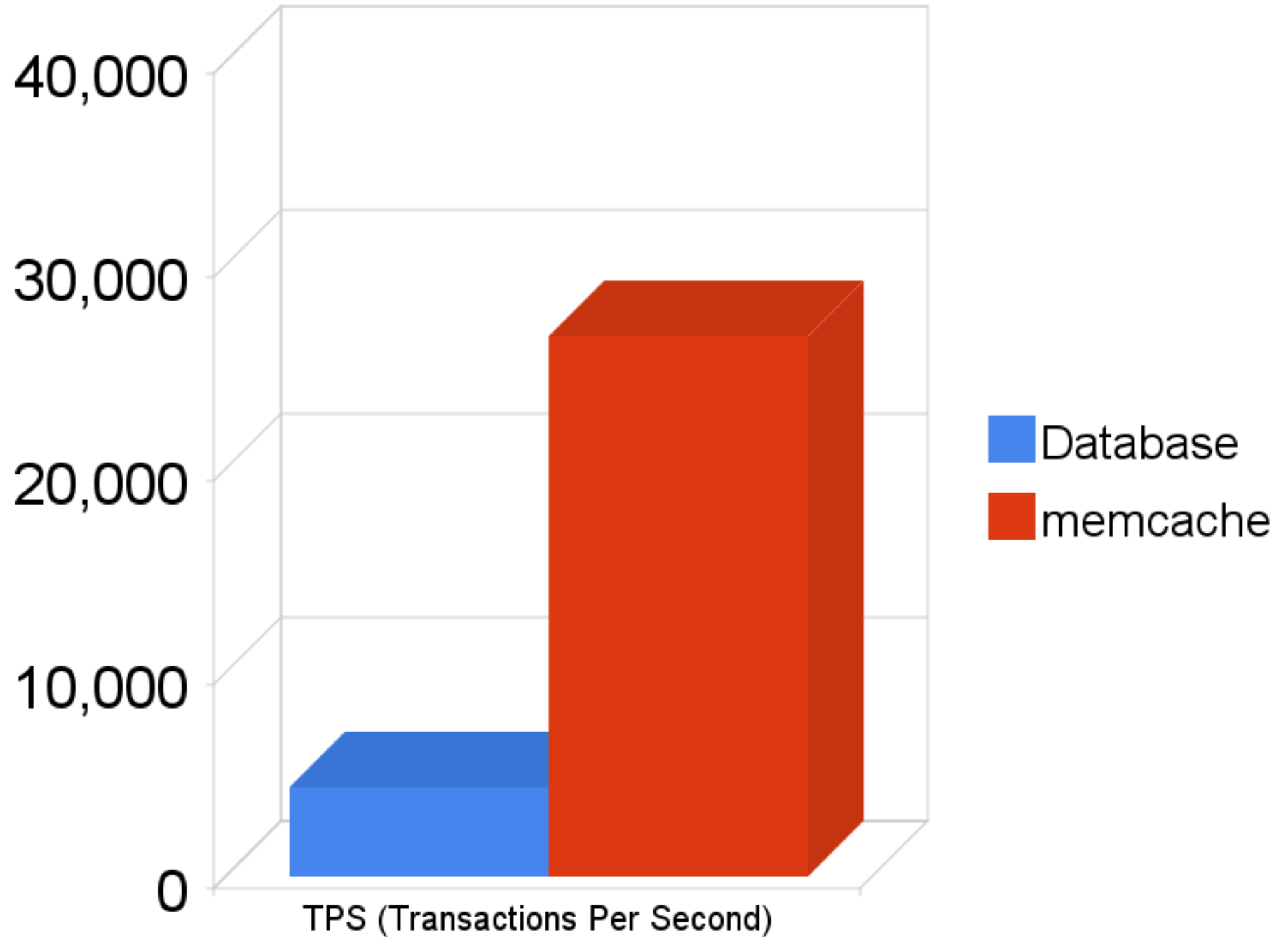
What's the Cost?



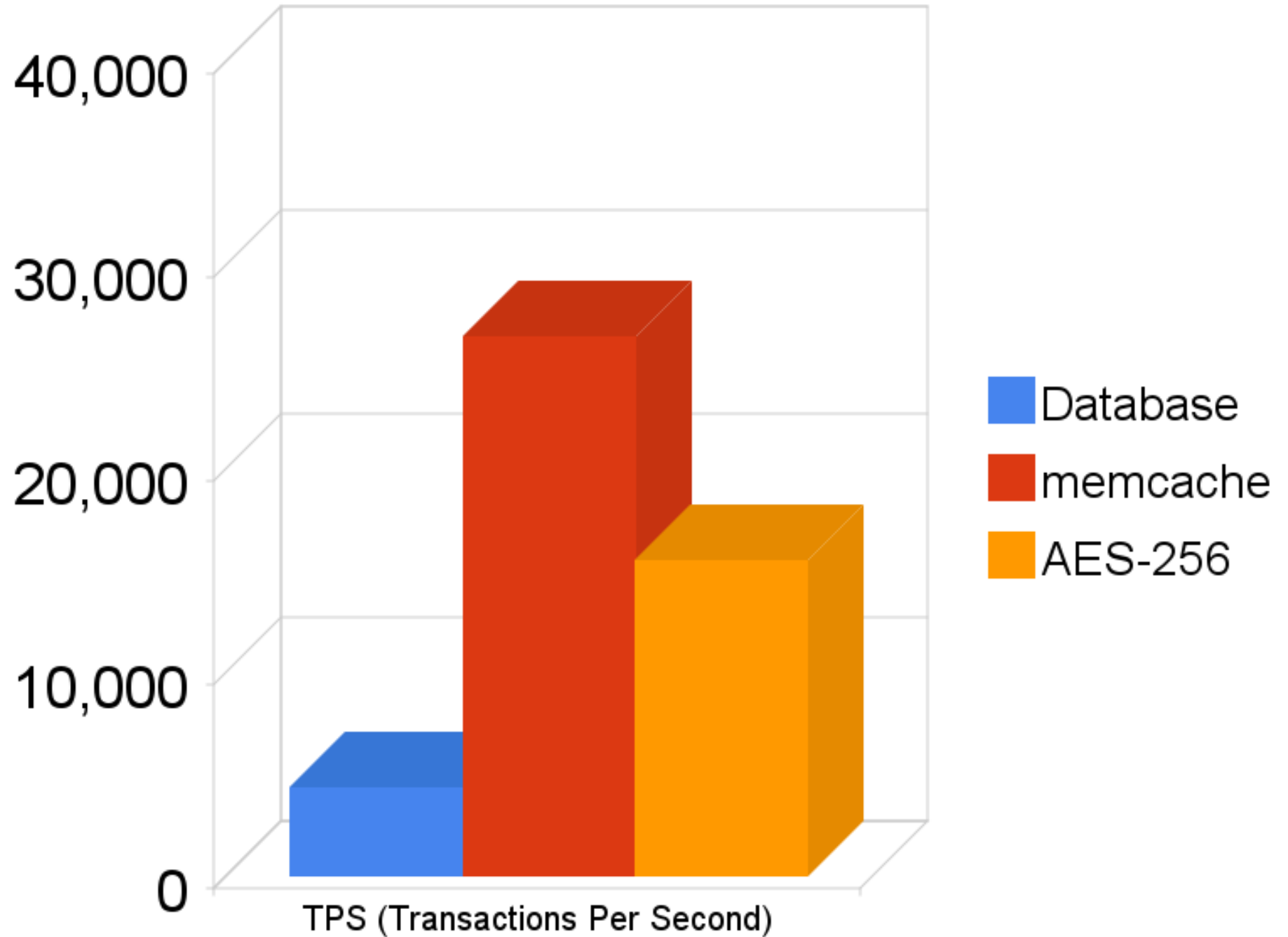
Database Performance



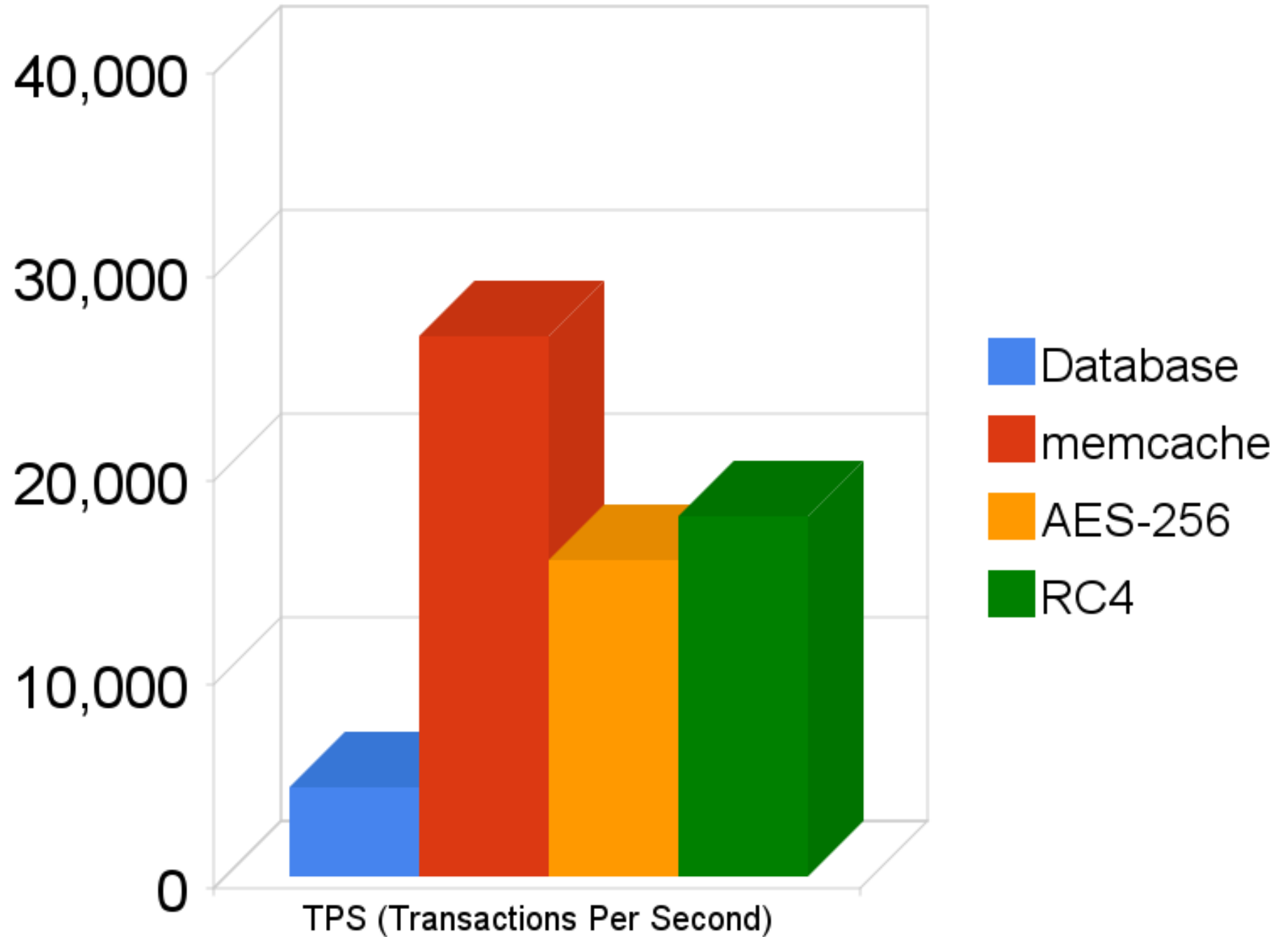
memcache Performance



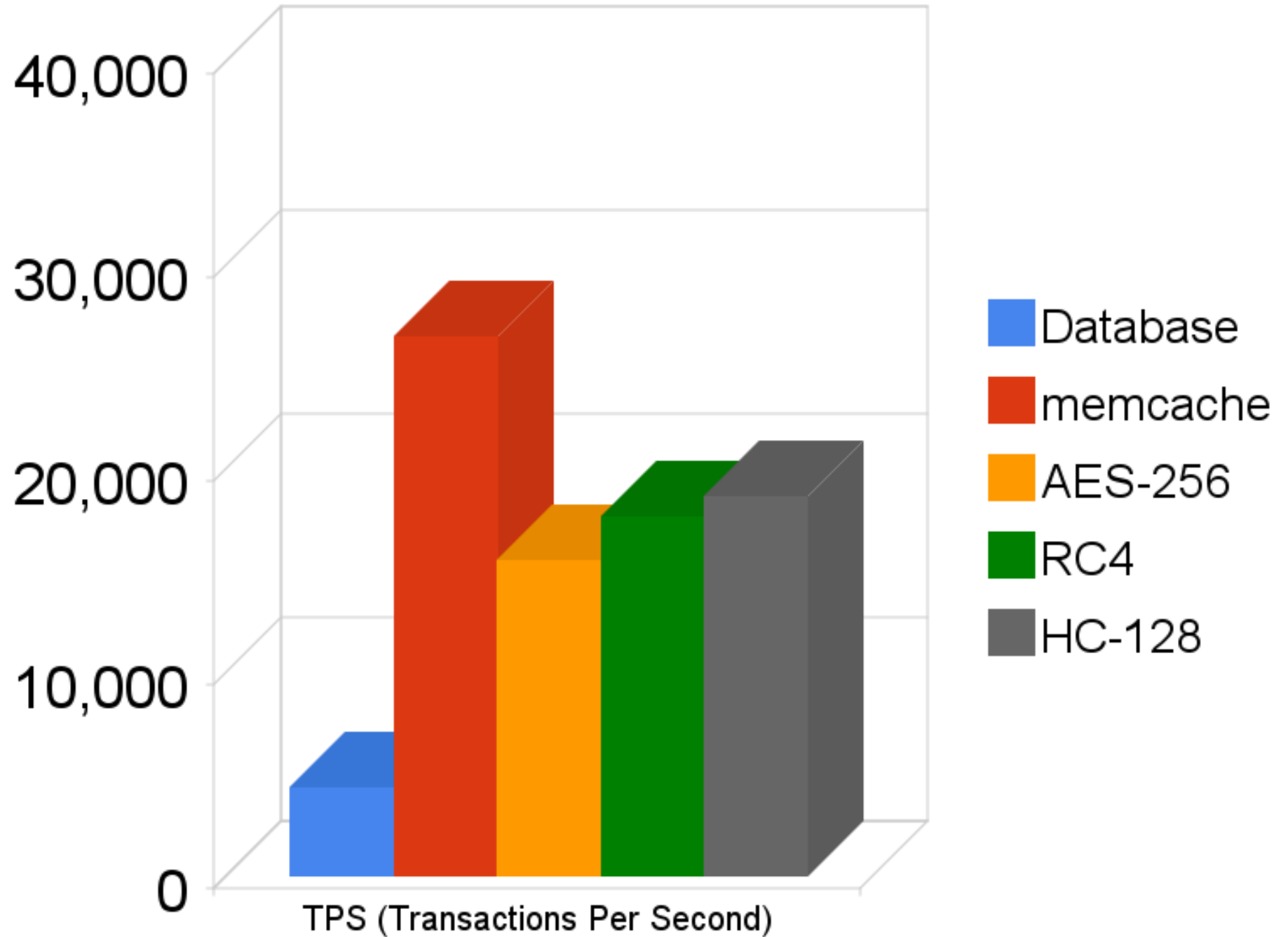
AES-256 Performance



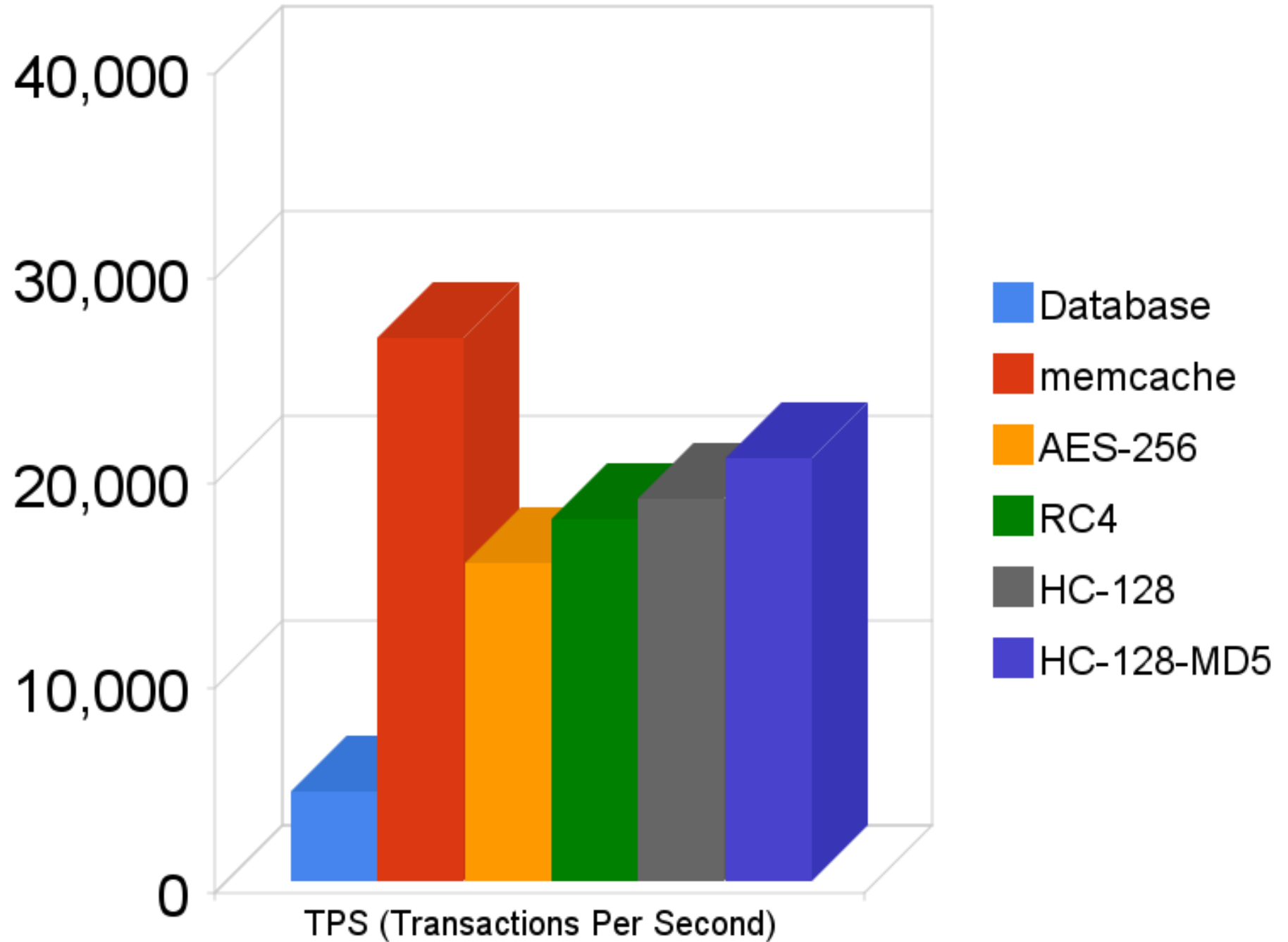
Stream RC4 Performance



HC-128 Performance



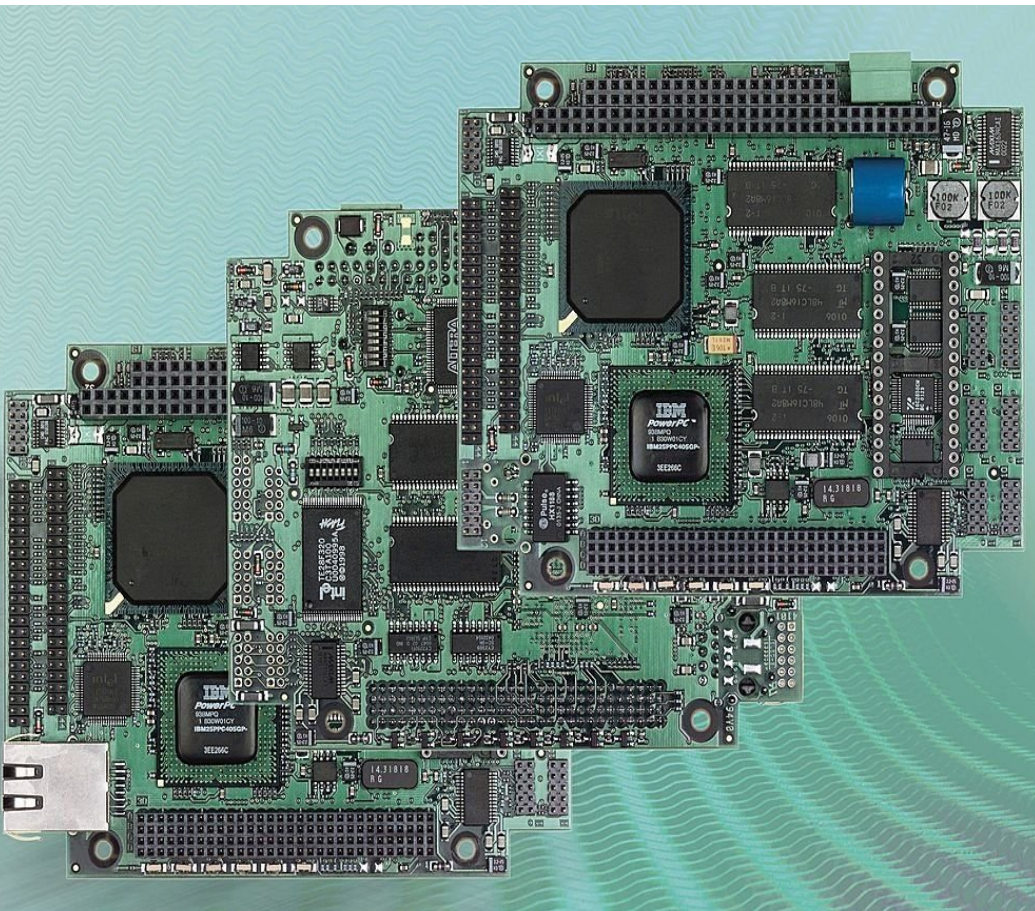
MD5 HC-128 Performance

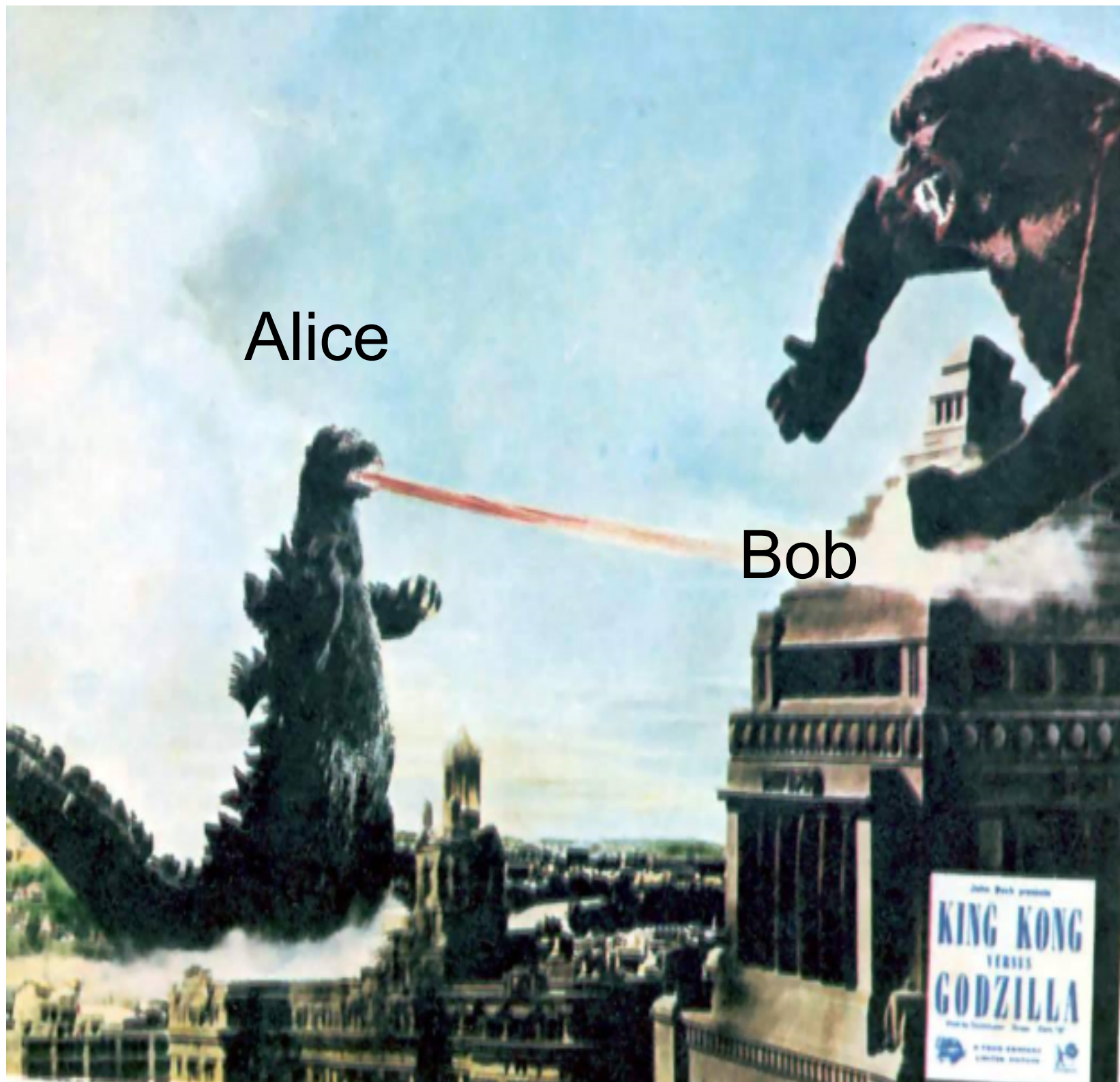


Future Performance Directions

AES-NI

Hardware offloading





Alice

Bob



Thanks!

Todd Ouska

todd@yassl.com

www.yassl.com

Open Source Embedded SSL Libraries