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function	old	new	delta
__inet_hash	-	374	+374
tcp_sacktag_write_queue		2255	2254 -1
__inet_lookup_listener		284	274 -10
tcp_v4_syn_rcv_sock		755	495 -260
tcp_v4_hash	389	40	-349
inet_hash_connect		1165	686 -479

— — —

OpenVZ Forum

```

- sk->sk_hash = inet_sk_ehashfn(sk);
- head = inet_ehash_bucket(hashinfo, sk->sk_hash);
- list = &head->chain;
- lock = inet_ehash_lockp(hashinfo, sk->sk_hash);
- write_lock(lock);
- }
- __sk_add_node(sk, list);
- sock_prot_inc_use(sk->sk_prot);
- write_unlock(lock);
- if (listen_possible && sk->sk_state == TCP_LISTEN)
- wake_up(&hashinfo->lhash_wait);
- }
+extern void __inet_hash(struct inet_hashinfo *hashinfo, struct sock *sk,
+ const int listen_possible);

static inline void inet_hash(struct inet_hashinfo *hashinfo, struct sock *sk)
{
diff --git a/net/ipv4/inet_hashtables.c b/net/ipv4/inet_hashtables.c
index 67704da..46f899b 100644
--- a/net/ipv4/inet_hashtables.c
+++ b/net/ipv4/inet_hashtables.c
@@ -267,6 +267,33 @@ static inline u32 inet_sk_port_offset(const struct sock *sk)
    inet->dport);
}

+void __inet_hash(struct inet_hashinfo *hashinfo, struct sock *sk,
+ const int listen_possible)
+{
+ struct hlist_head *list;
+ rwlock_t *lock;
+
+ BUG_TRAP(sk_unhashed(sk));
+ if (listen_possible && sk->sk_state == TCP_LISTEN) {
+ list = &hashinfo->listening_hash[inet_sk_listen_ehashfn(sk)];
+ lock = &hashinfo->lhash_lock;
+ inet_listen_wlock(hashinfo);
+ } else {
+ struct inet_ehash_bucket *head;
+ sk->sk_hash = inet_sk_ehashfn(sk);
+ head = inet_ehash_bucket(hashinfo, sk->sk_hash);
+ list = &head->chain;
+ lock = inet_ehash_lockp(hashinfo, sk->sk_hash);
+ write_lock(lock);
+ }
+ __sk_add_node(sk, list);
+ sock_prot_inc_use(sk->sk_prot);
+ write_unlock(lock);
+ if (listen_possible && sk->sk_state == TCP_LISTEN)

```

```
+ wake_up(&hashinfo->lhash_wait);
+}
+EXPORT_SYMBOL_GPL(__inet_hash);
+
+/*
+ * Bind a port for a connect operation and hash it.
+ */
--
1.5.3.4
```
