Subject: [PATCH][INET]: Fix accidentally broken inet(6)_hash_connect's port offset calculations.
Posted by Pavel Emelianov on Mon, 04 Feb 2008 08:10:37 GMT
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The port offset calculations depend on the protocol family, but,
as Adrian noticed, I broke this logic with the commit

 5ee31fc1ecdcbc234c8c56dcacef87c8e09909d8
 [INET]: Consolidate inet(6)_hash_connect.

Return this logic back, by passing the port offset directly into
the consolidated function.

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Noticed-by: Adrian Bunk <bunk@kernel.org>

```
diff --git a/include/net/inet_hashtables.h b/include/net/inet_hashtables.h
index 48ac620..97dc35a 100644
--- a/include/net/inet_hashtables.h
+++ b/include/net/inet_hashtables.h
@@ -389,7 +389,7 @@ static inline struct sock *inet_lookup(struct net *net,
 }

 extern int __inet_hash_connect(struct inet_timewait_death_row *death_row,
-  struct sock *sk,
+  struct sock *sk, u32 port_offset,
    int (*check_established)(struct inet_timewait_death_row *,
     struct sock *, __u16, struct inet_timewait_sock **),
          void (*hash)(struct sock *sk));
diff --git a/net/ipv4/inet_hashtables.c b/net/ipv4/inet_hashtables.c
index 90f422c..9cac6c0 100644
--- a/net/ipv4/inet_hashtables.c
+++ b/net/ipv4/inet_hashtables.c
@@ -398,7 +398,7 @@ out:
 EXPORT_SYMBOL_GPL(inet_unhash);

 int __inet_hash_connect(struct inet_timewait_death_row *death_row,
-  struct sock *sk,
+  struct sock *sk, u32 port_offset,
    int (*check_established)(struct inet_timewait_death_row *,
     struct sock *, __u16, struct inet_timewait_sock **),
    void (*hash)(struct sock *sk))
@@ -413,7 +413,7 @@ int __inet_hash_connect(struct inet_timewait_death_row *death_row,
  if (!snum) {
   int i, remaining, low, high, port;
```

```
   static u32 hint;
-  u32 offset = hint + inet_sk_port_offset(sk);
+  u32 offset = hint + port_offset;
   struct hlist_node *node;
   struct inet_timewait_sock *tw = NULL;

@@ -502,7 +502,7 @@ EXPORT_SYMBOL_GPL(__inet_hash_connect);
 int inet_hash_connect(struct inet_timewait_death_row *death_row,
         struct sock *sk)
 {
- return __inet_hash_connect(death_row, sk,
+ return __inet_hash_connect(death_row, sk, inet_sk_port_offset(sk),
     __inet_check_established, __inet_hash_nolisten);
 }

diff --git a/net/ipv6/inet6_hashtables.c b/net/ipv6/inet6_hashtables.c
index 43f3993..99fd25f 100644
--- a/net/ipv6/inet6_hashtables.c
+++ b/net/ipv6/inet6_hashtables.c
@@ -236,7 +236,7 @@ static inline u32 inet6_sk_port_offset(const struct sock *sk)
 int inet6_hash_connect(struct inet_timewait_death_row *death_row,
          struct sock *sk)
 {
- return __inet_hash_connect(death_row, sk,
+ return __inet_hash_connect(death_row, sk, inet6_sk_port_offset(sk),
     __inet6_check_established, __inet6_hash);
 }
```