Messages in this thread

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Patch in this message

Eric Snowberg <>

From

Get diff I

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Subject [PATCH v4] certs: Add EFI_CERT_X509_GUID support for dbx entries
 Date
                   Tue, 15 Sep 2020 20:49:27 -0400
The Secure Boot Forbidden Signature Database, dbx, contains a list of now revoked signatures and keys previously approved to boot with UEFI Secure Boot enabled. The dbx is capable of containing any number of EFI_CERT_X509_SHA256_GUID, EFI_CERT_SHA256_GUID, and EFI_CERT_X509_GUID entries.
Currently when EFI_CERT_X509_GUID are contained in the dbx, the entries are
Add support for EFI CERT X509 GUID dbx entries. When a EFI CERT X509 GUID is found, it is added as an asymmetrical key to the .blacklist Keyring. Anytime the .platform keyring is used, the keys in the .blacklist keyring are referenced, if a matching key is found, the key will be rejected.
 Signed-off-by: Eric Snowberg <eric.snowberg@oracle.com>
 v4:
 Remove unneeded symbol export found by Jarkko Sakkinen
 vs:
Fixed an issue when CONFIG PKCS7 MESSAGE PARSER is not builtin and defined
as a module instead, pointed out by Randy Dunlap
 v2:
Fixed build issue reported by kernel test robot <1kp@intel.com>
Commit message update (suggested by Jarkko Sakkinen)
  certs/blacklist.c
   certs/blacklist.h
  certs/blackilst.n
certs/system keyring.c
include/keys/system keyring.h
.../platform_certs/keyring_handler.c
5 files changed, 72 insertions(+)
 diff --git a/certs/blacklist.c b/certs/blacklist.c index 6514f9ebc943..4adac7f8fd94 100644 --- a/certs/blacklist.c
 +++ b/certs/blacklist.c

00 -100,6 +100,38 00 int mark_hash_blacklisted(const char *hash)

return 0;
 +int mark_key_revocationlisted(const char *data, size_t size)
               key_ref_t key;
               size,
size,
((KEY_POS_ALL & ~KEY_POS_SETATTR) | KEY_USR_VIEW),
KEY_ALLOC_NOT_IN_QUOTA | KEY_ALLOC_BUILT_IN);
               if (IS_ERR(key)) {
     pr err("Problem with revocation key (%ld)\n", PTR_ERR(key));
     return PTR_ERR(key);
               return 0;
  +int is_key_revocationlisted(struct pkcs7_message *pkcs7)
               ret = validate_trust(pkcs7, blacklist_keyring);
               if (ret == 0)
    return -EKEYREJECTED;
               return -ENOKEY;
/**

/**

* is hash blacklisted - Determine if a hash is blacklisted

* @hāsh: The hash to be checked as a binary blob
diff --git a/certs/blacklist. b/certs/blacklist.h
index lefd6fa0dc60..420bb7c86e07 100644

--- a/certs/blacklist.h
+++ b/certs/blacklist.h
@@ -1,3 +1,15 @@
#include <linux/erno.h>
+#include <linux/erro.h>
+#include <crypto/pkcs7.h>
   extern const char __initconst *const blacklist_hashes[];
extern const con-
+#ifdef CONFIG INTEGRITY PLATFORM KEYRING
+#define validate_trust pkcs7_validate_trust
+#else
+#else
+static inline int validate_trust(struct pkcs7_message *pkcs7,
+ struct key *trust_keyring)
 +
               return -ENOKEY.
  +#endif
ret = pkcs7_validate_trust(pkcs7, trusted_keys);
if (ret < 0) {
diff --git a/include/keys/system keyring.h b/include/keys/system_keyring.h
index fb8b7daa9d1.b6991cfelb6d 100644
--- a/include/keys/system_keyring.h
+++ b/include/keys/system_keyring.h
60 -31,11 +31,14 80 extern int restrict_link_by_builtin_and_secondary_trusted(
#define restrict_link_by_builtin_and_secondary_trusted restrict_link_by_builtin_trusted
#endif
  #endif
 +extern struct pkcs7_message *pkcs7;
#ifdef CONFIG SYSTEM BLACKLIST KEYRING
extern int mark_hash_blacklisted(const char *hash);
+extern int mark_key_revocationlisted(const char *data, size_t size);
```

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