

2.2.58 LSAPR_TRUSTED_DOMAIN_AUTH_BLOB

The **LSAPR_TRUSTED_DOMAIN_AUTH_BLOB** structure contains a counted buffer of authentication material. Domain trust authentication is specified in [\[MS-ADTS\]](#) section 7.1.6.9.1.

```
typedef struct _LSAPR_TRUSTED_DOMAIN_AUTH_BLOB {
    unsigned long AuthSize;
    [size_is(AuthSize)] unsigned char* AuthBlob;
} LSAPR_TRUSTED_DOMAIN_AUTH_BLOB,
*PLSAPR_TRUSTED_DOMAIN_AUTH_BLOB;
```

AuthSize: The count of bytes in **AuthBlob**.<25>

AuthBlob: An array of bytes containing the authentication material. If the **AuthSize** field has a value other than 0, this field MUST NOT be NULL. Always encrypted using algorithms, as specified in section **Error! Reference source not found.** The plaintext layout is in the following format.

The incoming and outgoing authentication information buffer size included at the end of the LSAPR_TRUSTED_DOMAIN_AUTH_BLOB can be used to extract the incoming and outgoing authentication information buffers from the LSAPR_TRUSTED_DOMAIN_AUTH_BLOB. Each of these buffers contains the byte offset to both the current and the previous authentication information. This information can be used to extract current and (if any) previous authentication information.

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
512 bytes of random data ...																															
Count of outgoing auth infos (AuthInfos)																															
Byte offset to outgoing AuthenticationInformation																															
Byte offset to outgoing PreviousAuthenticationInformation																															
Array of LSAPR_AUTH_INFORMATION [1...count] (outgoing current authentication info)																															
Array of LSAPR_AUTH_INFORMATION [0...count] (outgoing previous authentication info)																															
Count of incoming auth infos (AuthInfos)																															

Byte offset to incoming AuthenticationInformation
Byte offset to incoming PreviousAuthenticationInformation
Array of LSAPR_AUTH_INFORMATION [1...count] (incoming current authentication info)
Array of LSAPR_AUTH_INFORMATION [0...count] (incoming previous authentication info)
Outgoing authentication information size
Incoming authentication information size