

# DuplicateToken function (securitybaseapi.h) - Win32 apps

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The **DuplicateToken** function creates a new [access token](#) that duplicates one already in existence.

```
BOOL DuplicateToken(  
    [in] HANDLE ExistingTokenHandle,  
    [in] SECURITY_IMPERSONATION_LEVEL ImpersonationLevel,  
    [out] PHANDLE DuplicateTokenHandle  
);
```

[in] ExistingTokenHandle

A handle to an access token opened with TOKEN\_DUPLICATE access.

[in] ImpersonationLevel

Specifies a [SECURITY\\_IMPERSONATION\\_LEVEL](#) enumerated type that supplies the impersonation level of the new token.

[out] DuplicateTokenHandle

A pointer to a variable that receives a handle to the duplicate token. This handle has TOKEN\_IMPERSONATE and TOKEN\_QUERY access to the new token.

When you have finished using the new token, call the [CloseHandle](#) function to close the token handle.

If the function succeeds, the return value is nonzero.

If the function fails, the return value is zero. To get extended error information, call [GetLastError](#).

The **DuplicateToken** function creates an [impersonation token](#), which you can use in functions such as [SetThreadToken](#) and [ImpersonateLoggedOnUser](#). The token created by **DuplicateToken** cannot be used in the [CreateProcessAsUser](#) function, which requires a [primary token](#). To create a token that you can pass to **CreateProcessAsUser**, use the [DuplicateTokenEx](#) function.

Requirement	Value
Minimum supported client	Windows XP [desktop apps   UWP apps]
Minimum supported server	Windows Server 2003 [desktop apps   UWP apps]
Target Platform	Windows

<b>Requirement</b>	<b>Value</b>
<b>Header</b>	securitybaseapi.h (include Windows.h)
<b>Library</b>	Advapi32.lib
<b>DLL</b>	Advapi32.dll

[Access Control Overview](#)

[Basic Access Control Functions](#)

[CreateProcessAsUser](#)

[DuplicateTokenEx](#)

[ImpersonateLoggedOnUser](#)

[SECURITY\\_IMPERSONATION\\_LEVEL](#)

[SetThreadToken](#)

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Source: <https://learn.microsoft.com/en-us/windows/win32/api/securitybaseapi/nf-securitybaseapi-duplicatetoken>