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SID Strings

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In the security descriptor definition language (SDDL), security descriptor string use SID strings for the following components of a *security descriptor*:

- Owner
- Primary group
- The trustee in an ACE

A SID string in a security descriptor string can use either the standard string representation of a SID (S-R-I-S-S) or one of the string constants defined in Sddl.h. For more information about the standard SID string notation, see SID Components.

The following SID string constants for well-known SIDs are defined in Sddl.h. For information about the corresponding *relative IDs* (RIDs), see Well-known SIDs.

⛶ **Expand table**

SDDL SID string	Constant in Sddl.h	Account alias and con
"AA"	SDDL_ACCESS_CONTROL_ASSISTANCE_OPS	Access control assistan DOMAIN_ALIAS_RID_A Server 2008 R2, Wind Windows Server 2003
"AC"	SDDL_ALL_APP_PACKAGES	All applications runnin is SECURITY_BUILTIN_F **R2, Windows 7, Wind Server 2003:** Not avail
"AN"	SDDL_ANONYMOUS	Anonymous logon. The SECURITY_ANONYMO
"AO"	SDDL_ACCOUNT_OPERATORS	Account operators. The DOMAIN_ALIAS_RID_A
"AP"	SDDL_PROTECTED_USERS	Protected Users. The c DOMAIN_GROUP_RID_ **Windows 8, Windows 2008, Windows Vista :**
"AU"	SDDL_AUTHENTICATED_USERS	Authenticated users. Th SECURITY_AUTHENTIC
"BA"	SDDL_BUILTIN_ADMINISTRATORS	Built-in administrators. DOMAIN_ALIAS_RID_A
"BG"	SDDL_BUILTIN_GUESTS	Built-in guests. The cor
"BO"	SDDL_BACKUP_OPERATORS	Backup operators. The DOMAIN_ALIAS_RID_B
"BU"	SDDL_BUILTIN_USERS	Built-in users. The corr

"CA"	SDDL_CERT_SERV_ADMINISTRATORS	Certificate publishers. T DOMAIN_GROUP_RID_
"CD"	SDDL_CERTSVC_DCOM_ACCESS	Users who can connect Component Object Mc DOMAIN_ALIAS_RID_C 2008, Windows Vista a
"CG"	SDDL_CREATOR_GROUP	Creator group. The cor SECURITY_CREATOR_G
"CN"	SDDL_CLONEABLE_CONTROLLERS	Cloneable domain cont DOMAIN_GROUP_RID_ 2008 R2, Windows 7, Windows Server 2003
"CO"	SDDL_CREATOR_OWNER	Creator owner. The cor SECURITY_CREATOR_O
"CY"	SDDL_CRYPTO_OPERATORS	Crypto operators. The DOMAIN_ALIAS_RID_C available.
"DA"	SDDL_DOMAIN_ADMINISTRATORS	Domain administrators DOMAIN_GROUP_RID_
"DC"	SDDL_DOMAIN_COMPUTERS	Domain computers. Th DOMAIN_GROUP_RID_
"DD"	SDDL_DOMAIN_DOMAIN_CONTROLLERS	Domain controllers. Th DOMAIN_GROUP_RID_
"DG"	SDDL_DOMAIN_GUESTS	Domain guests. The co
"DU"	SDDL_DOMAIN_USERS	Domain users. The corr
"EA"	SDDL_ENTERPRISE_ADMINS	Enterprise administratc DOMAIN_GROUP_RID_
"ED"	SDDL_ENTERPRISE_DOMAIN_CONTROLLERS	Enterprise domain cont SECURITY_SERVER_LOC
"EK"	SDDL_ENTERPRISE_KEY_ADMINS	Enterprise key admins. DOMAIN_GROUP_RID_ R2, Windows 8.1, Wind

		2008 R2, Windows 7, Windows Server 2003
"ER"	SDDL_EVENT_LOG_READERS	Event log readers. The DOMAIN_ALIAS_RID_E **2008, Windows Vista a**
"ES"	SDDL_RDS_ENDPOINT_SERVERS	Endpoint servers. The DOMAIN_ALIAS_RID_R **R2, Windows 7, Windo Server 2003:** Not availa
"HA"	SDDL_HYPER_V_ADMINS	Hyper-V administrator DOMAIN_ALIAS_RID_H **Windows 7, Windows 2003:** Not available.
"HI"	SDDL_ML_HIGH	High integrity level. The SECURITY_MANDATOR
"HO"	SDDL_USER_MODE_HARDWARE_OPERATORS	Group members may c corresponding RID is DOMAIN_ALIAS_RID_U
"IS"	SDDL_IIS_USERS	Anonymous Internet u DOMAIN_ALIAS_RID_II
"IU"	SDDL_INTERACTIVE	Interactively logged-or of a process when it wa type is LOGON32_LOG SECURITY_INTERACTIV
"KA"	SDDL_KEY_ADMINS	Domain key admins. Th DOMAIN_GROUP_RID_ **Windows 8.1, Window R2, Windows 7, Windo Server 2003:** Not availa
"LA"	SDDL_LOCAL_ADMIN	Local administrator. Th DOMAIN_USER_RID_A
"LG"	SDDL_LOCAL_GUEST	Local guest. The corres
"LS"	SDDL_LOCAL_SERVICE	Local service account. T SECURITY_LOCAL_SERV

"LU"	SDDL_PERFLOG_USERS	Performance Log users DOMAIN_ALIAS_RID_L
"LW"	SDDL_ML_LOW	Low integrity level. The SECURITY_MANDATOR
"ME"	SDDL_ML_MEDIUM	Medium integrity level. SECURITY_MANDATOR available.
"MP"	SDDL_ML_MEDIUM_PLUS	Medium Plus integrity SECURITY_MANDATOR **Windows Vista and W**
"MU"	SDDL_PERFMON_USERS	Performance Monitor u DOMAIN_ALIAS_RID_N
"NO"	SDDL_NETWORK_CONFIGURATION_OPS	Network configuration DOMAIN_ALIAS_RID_N
"NS"	SDDL_NETWORK_SERVICE	Network service accour SECURITY_NETWORK_S
"NU"	SDDL_NETWORK	Network logon user. Th process when it was log type is LOGON32_LOG SECURITY_NETWORK_F
"OW"	SDDL_OWNER_RIGHTS	Owner Rights SID. The SECURITY_CREATOR_O available.
"PA"	SDDL_GROUP_POLICY_ADMINS	Group Policy administra DOMAIN_GROUP_RID
"PO"	SDDL_PRINTER_OPERATORS	Printer operators. The c DOMAIN_ALIAS_RID_P
"PS"	SDDL_PERSONAL_SELF	Principal self. The corre
"PU"	SDDL_POWER_USERS	Power users. The corres DOMAIN_ALIAS_RID_P
"RA"	SDDL_RDS_REMOTE_ACCESS_SERVERS	RDS remote access serv DOMAIN_ALIAS_RID_R

		2008 R2, Windows 7, **Windows Server 2003**
"RC"	SDDL_RESTRICTED_CODE	Restricted code. This is CreateRestrictedToken SECURITY_RESTRICTED
"RD"	SDDL_REMOTE_DESKTOP	Terminal server users. T DOMAIN_ALIAS_RID_R
"RE"	SDDL_REPLICATOR	Replicator. The corresp
"RM"	SDDL_RMS__SERVICE_OPERATORS	RMS Service. **Available**
"RO"	SDDL_ENTERPRISE_RO_DCs	Enterprise Read-only d DOMAIN_GROUP_RID_ **Windows Server 2008** available.
"RS"	SDDL_RAS_SERVERS	RAS servers group. The DOMAIN_ALIAS_RID_R
"RU"	SDDL_ALIAS_PREW2KCOMPACC	Alias to grant permissi with operating systems RID is DOMAIN_ALIAS_
"SA"	SDDL_SCHEMA_ADMINISTRATORS	Schema administrators DOMAIN_GROUP_RID_
"SI"	SDDL_ML_SYSTEM	System integrity level. SECURITY_MANDATOR available.
"SO"	SDDL_SERVER_OPERATORS	Server operators. The c DOMAIN_ALIAS_RID_S
"SS"	SDDL_SERVICE_ASSERTED	Authentication service SECURITY_AUTHENTIC **2008 R2, Windows 7,** **Windows Server 2003**
"SU"	SDDL_SERVICE	Service logon user. This process when it was log LOGON32_LOGON_SE SECURITY_SERVICE_RID

"SY"	SDDL_LOCAL_SYSTEM	Local system. The corre
"UD"	SDDL_USER_MODE_DRIVERS	User-mode driver. The SECURITY_USERMODE **R2, Windows 7, Windo Server 2003:** Not availa
"WD"	SDDL_EVERYONE	Everyone. The correspo
"WR"	SDDL_WRITE_RESTRICTED_CODE	Write Restricted code. SECURITY_WRITE_REST available.

The ConvertSidToStringSid and ConvertStringSidToSid functions always use the standard SID string notation and do not support SDDL SID string constants.

For more information about well-known SIDs, see Well-known SIDs.

See also

[MS-DTYP]: Security Descriptor Description Language

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