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DSACLS.exe (installable option via [RSAT](#) /AD DS)

View or Edit ACLs (access control entries) for objects in Active Directory.

Syntax

```
DSACLS "[\\Computer\]ObjectDN" [/A] [/D PermissionStatement [PermissionStatement]...]
      [/G PermissionStatement [PermissionStatement]...] [/I:{T | S | P}]
      [/N] [/P:{Y | N}]
      [/R {User | Group} [{User | Group}]...] [/S [/T]]
```

PermissionStatements:

```
{User | Group}:Permissions[;{ObjectType | Property}][;InheritedObjectType]
```

Key

ObjectDN Distinguished name of the object.
If omitted will be taken from standard input (stdin)

/A Add ownership and auditing information to the results.

/D Deny permissions to a user or group

/G Grant permissions to a user or group.

/I: Inheritance

T The object and its child objects (default)
S The child objects only
P The object and child objects down one level only

/N Replace the current ACEs in the ACL.
By default, dsacsls adds the ACE to the ACL.

/P: Inherit permissions from parent objects (Y/N).

/R Revoke/Delete all ACEs for the users or groups.

/S Restore the default security.
Default security for each object class is defined in the Active Directory schema.

/S /T Restore the default security on the tree of objects.

Permissions

GR: Generic Read
GE: Generic Execute
GW: Generic Write
GA: Generic All

SD: Delete an object
DT: Delete an object and all of its child objects
RC: Read security information
WD: Change security information

W0: Change owner information
 LC: List the child objects of the object
 CC: Create a child object.
 DC: Delete a child object.
 WS: Write to a self object (group membership) group object + {ObjectType | Property} = "member."
 RP: Read a property.
 WP: Write to a property.
 CA: Control access (normally a specific extended right for control access)
 If you do not specify {ObjectType | Property} this permission will apply to all meaningful control accesses on the object.
 LO: List the object access, AD DS does not enforce this permission by default.
 Grant list access to a specific object when List Children (LC) is not granted to the parent.
 Deny list access to a specific object when the user or group has LC permission on the parent.

ObjectType | Property

Limit the permission to the specified object type or property.
 Enter the *display name* of the object type or the property.
 Default=all object types and properties.

For example, Grant the user rights to create all types of child objects:
 /G Domain\User:CC

Grant the user rights to create only child **computer** objects:
 /G Domain\User:CC;computer

InheritedObjectType

Limit inheritance of the permission to the specified object type.
 For example, Grant only **User** objects to inherit the permission:
 /G Domain\User:CC;;user

Object Types

User,Contact,Group,Shared Folder,Printer,Computer,Domain Controllers,OU

If you do not specify {ObjectType | Property} to define a specific child object type, this permission will apply to all types of child objects; otherwise, it will apply only to the child object type that you specify.

You can Grant, Deny or Delete ACEs for multiple users and groups with a single parameter (/G /D /R), list the users/groups separated with spaces.

Examples

Grant Generic Read (GR) and Generic Execute (GE) on computer objects in the Laptops OU to Jdoe:

```
C:\> dscls "OU=Laptops,OU=AcmeCo,DC=ss64,DC=Com" /G Domain\JDoe:GRGE;computer
```

“If future generations are to remember us with gratitude rather than contempt, we must leave them more than the miracles of technology. We must leave them a glimpse of the world as it was in the beginning, not just after we got through with it” ~ President Lyndon B. Johnson

Related commands

[DSAdd](#) - Add object.

[DSMod](#) - Modify object.

[DSGet](#) - Display object.

[DSMove](#) - Move object.

[DSQuery](#) - Search for objects.

DSdbUtil - Maintenance of AD, Authorative Restore, manage snapshots.

DSAMain - Expose Active Directory data that is stored in a snapshot or backup.

DSMgmt - Configure Directory Services.

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