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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, dsac ls 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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