

DcDiag syntax

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```
dcdiag /s:DomainController [/n:NamingContext] [/u:Domain\Username /p:{* | Password | ""}] [{/a | /e}] [{/q | /v}] [/i] [/f:LogFile] [/ferr:ErrLog] [/c [/skip:Test]] [/test:Test] [{/h | /?}]
```

Parameters

/s:DomainController

Uses *DomainController* as home server. This is a required parameter.

/n:NamingContext

Uses *NamingContext* as the naming context to test. Domains may be specified in [NetBIOS](#), [DNS](#) or [distinguished name](#) form.

/u:Domain\Username /p:{* | Password | ""}

Uses *Domain\Username* credentials for binding, with *Password* as the password. "" is an empty or null password. * prompts for the password.

/a

Tests all the servers on this site.

/e

Tests all the servers in the entire enterprise. Overrides **/a**.

/q

(Quiet) Prints only error messages.

/v

(Verbose) Prints extended information.

/i

Ignores superfluous error messages.

/f:LogFile

Redirects all output to *LogFile*. **/f:** operates independently of **/ferr:**.

/ferr:ErrLog

Redirects fatal error output to a separate file *ErrLog*. **/ferr:** operates independently of **/f:**.

/c

(Comprehensive) Runs all tests, including non-default tests. Optionally, can be used with **/skip** to skip specified tests. The following tests are not run by default:

Topology
CutoffServers
OutboundSecureChannels

/skip:Test

Skips the specified *Test*. Must be used with **/c**. Should not be run in the same command line with **/test**. The only *Test* that cannot be skipped is **Connectivity**.

/test:Test

Runs only this test. The non-skippable test **Connectivity** is also run. Should not be run in the same command line with **/skip**. Valid tests are:

Connectivity

Tests whether [domain controllers](#) are DNS registered, pingable, and have [LDAP/RPC](#) connectivity.

Replications

Checks for timely [replication](#) between domain controllers.

Topology

Checks that the generated topology is fully connected for all domain controllers.

CutoffServers

Checks for servers that won't receive replications because its partners are down.

NCSecDesc

Checks that the [security descriptors](#) on the naming context heads have appropriate permissions for replication.

NetLogons

Checks that the appropriate logon privileges allow replication to proceed.

LocatorGetDc

Checks whether each domain controller is advertising itself in the roles it should be capable of.

Intersite

Checks for failures that would prevent or temporarily hold up intersite replication.

RolesHeld

Checks that global role-holders are known, can be located, and are responding.

RidManager

Checks to see if RID master is accessible and to see if it contains the proper information.

MachineAccount

Checks to see if the machine account has the proper information.

Services

Checks to see if appropriate domain controller services are running.

OutboundSecureChannels

Checks that secure channels exist from all of the domain controllers in the domain to the domains specified by **/testdomain:**. **/nositerestriction** prevents the test from being limited to the domain controllers in the site.

ObjectsReplicated

Checks that Machine Account and DSA objects have replicated. Use **/objectdn:dn** with **/n:nc** to specify additional object to check.

{/h | /?}

Displays a syntax screen at the command prompt.

[Domain Controller Diagnostic Tool \(Dcdiag.exe\)](#)