

*Appendix D* **NDS Error Codes**

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## Overview

Novell Directory Services clients and agents make requests to NDS servers. Normally, servers return either the information requested or an error. This appendix lists all possible NDS error codes and their meanings.

**Table D.1**  
**NDS Error Codes**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
Operating System Error Codes		
00000000	0	No Problem. No information is available.
FFFFFF FFF	-1	Insufficient Space. No information is available.
FFFFFF F89	-119	Buffer Too Small. No information is available.
FFFFFF F88	-120	Volume Flag Not Set. No information is available.
FFFFFF F87	-121	No Items Found. No information is available.
FFFFFF F86	-122	Conn Already Temporary. No information is available.
FFFFFF F85	-123	Conn Already Logged In. No information is available.
FFFFFF F84	-124	Conn Not Authenticated. No information is available.
FFFFFF F83	-125	Conn Not Logged In. No information is available.
FFFFFF F82	-126	NCP Boundary Check Failed. No information is available.
FFFFFF F81	-127	Lock Waiting. No information is available.
FFFFFF F80	-128	Lock Fail. No information is available.
FFFFFF F7F	-129	Out Of Handles. No information is available.
FFFFFF F7E	-130	No Open Privilege. No information is available.
FFFFFF F7D	-131	Hard Io Error. No information is available.
FFFFFF F7C	-132	No Create Privilege. No information is available.
FFFFFF F7B	-133	No Create Delete Privilege. No information is available.
FFFFFF F7A	-134	R O Create File. No information is available.
FFFFFF F79	-135	Create File Invalid Name. No information is available.
FFFFFF F78	-136	Invalid File Handle. No information is available.
FFFFFF F77	-137	No Search Privilege. No information is available.
FFFFFF F76	-138	No Delete Privilege. No information is available.

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
FFFF F75	-139	No Rename Privilege. No information is available.
FFFF F74	-140	No Set Privilege. No information is available.
FFFF F73	-141	Some Files In Use. No information is available.
FFFF F72	-142	All Files In Use. No information is available.
FFFF F71	-143	Some Read Only. No information is available.
FFFF F70	-144	All Read Only. No information is available.
FFFF F6F	-145	Some Names Exist. No information is available.
FFFF F6E	-146	All Names Exist. No information is available.
FFFF F6D	-147	No Read Privilege. No information is available.
FFFF F6C	-148	No Write Privilege. No information is available.
FFFF F6B	-149	File Detached. No information is available.
FFFF F6A	-150	No Alloc Space. No information is available.
FFFF F6A	-150	Insufficient Memory. No information is available.
FFFF F6A	-150	Target Not A Subdirectory. No information is available.
FFFF F69	-151	No Spool Space. No information is available.
FFFF F68	-152	Invalid Volume. No information is available.
FFFF F67	-153	Directory Full. No information is available.
FFFF F66	-154	Rename Across Volume. No information is available.
FFFF F65	-155	Bad Directory Handle. No information is available.
FFFF F64	-156	Invalid Path. No information is available.
FFFF F64	-156	No Such Extension. No information is available.
FFFF F63	-157	No Directory Handles. No information is available.
FFFF F62	-158	Bad File Name. No information is available.
FFFF F61	-159	Directory Active. No information is available.
FFFF F60	-160	Directory Not Empty. No information is available.
FFFF F5F	-161	Directory Io Error. No information is available.
FFFF F5E	-162	IO Locked. No information is available.
FFFF F5D	-163	Transaction Restarted. No information is available.

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
FFFF F5C	-164	Rename Directory Invalid. No information is available.
FFFF F5B	-165	Invalid Open/Create Mode. No information is available.
FFFF F5A	-166	Already In Use. No information is available.
FFFF F59	-167	Invalid Resource Tag. No information is available.
FFFF F58	-168	Access Denied. No information is available.
FFFF F42	-190	Invalid Data Stream. No information is available.
FFFF F41	-191	Invalid Name Space. No information is available.
FFFF F40	-192	No Accounting Privileges. No information is available.
FFFF F3F	-193	No Account Balance. No information is available.
FFFF F3E	-194	Credit Limit Exceeded. No information is available.
FFFF F3D	-195	Too Many Holds. No information is available.
FFFF F3C	-196	Accounting Disabled. No information is available.
FFFF F3B	-197	Login Lockout. No information is available.
FFFF F3A	-198	No Console Rights. No information is available.
FFFF F30	-208	Q IO Failure. No information is available.
FFFF F2F	-209	No Queue. No information is available.
FFFF F2E	-210	No Q Server. No information is available.
FFFF F2D	-211	No Q Rights. No information is available.
FFFF F2C	-212	Q Full. No information is available.
FFFF F2B	-213	No Q Job. No information is available.
FFFF F2A	-214	No Q Job Rights. No information is available.
FFFF F2A	-214	Unencrypted Not Allowed. No information is available.
FFFF F29	-215	Q In Service. No information is available.
FFFF F29	-215	Duplicate Password. No information is available.
FFFF F28	-216	Q Not Active. No information is available.
FFFF F28	-216	Password Too Short. No information is available.
FFFF F27	-217	Q Stn Not Server. No information is available.

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
FFFFFF F27	-217	Maximum Logins Exceeded. No information is available.
FFFFFF F26	-218	Q Halted. No information is available.
FFFFFF F26	-218	Bad Login Time. No information is available.
FFFFFF F25	-219	Q Max Servers. No information is available.
FFFFFF F25	-219	Node Address Violation. No information is available.
FFFFFF F24	-220	Log Account Expired. No information is available.
FFFFFF F22	-222	Bad Password. No information is available.
FFFFFF F21	-223	Password Expired. No information is available.
FFFFFF F20	-224	No Login Conn Available. No information is available.
FFFFFF F18	-232	Write To Group Property. No information is available.
FFFFFF F17	-233	Member Already Exists. No information is available.
FFFFFF F16	-234	No Such Member. No information is available.
FFFFFF F15	-235	Property Not Group. No information is available.
FFFFFF F14	-236	No Such Value Set. No information is available.
FFFFFF F13	-237	Property Already Exists. No information is available.
FFFFFF F12	-238	Object Already Exists. No information is available.
FFFFFF F11	-239	Illegal Name. No information is available.
FFFFFF F10	-240	Illegal Wildcard. No information is available.
FFFFFF F0F	-241	Bindery Security. No information is available.
FFFFFF F0E	-242	No Object Read Rights. No information is available.
FFFFFF F0D	-243	No Object Rename Rights. No information is available.
FFFFFF F0C	-244	No Object Delete Rights. No information is available.
FFFFFF F0B	-245	No Object Create Rights. No information is available.
FFFFFF F0A	-246	No Property Delete Rights. No information is available.

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
FFFF F09	-247	No Property Create Rights. No information is available.
FFFF F08	-248	No Property Write Rights. No information is available.
FFFF F07	-249	No Property Read Rights. No information is available.
FFFF F06	-250	Temp Remap. No information is available.
FFFF F05	-251	Unknown Request. No information is available.
FFFF F05	-251	No Such Property. No information is available.
FFFF F05	-251	Request Unknown. No information is available.
FFFF F04	-252	Message Queue Full. No information is available.
FFFF F04	-252	Target Already Has Msg. No information is available.
FFFF F04	-252	No Such Object. No information is available.
FFFF F03	-253	Bad Station Number. No information is available.
FFFF F02	-254	Bindery Locked. No information is available.
FFFF F02	-254	Directory Locked. No information is available.
FFFF F02	-254	Spool Delete. No information is available.
FFFF F02	-254	Trustee Not Found. No information is available.
FFFF F01	-255	Hard Failure. No information is available.
FFFF F01	-255	File Name. No information is available.
FFFF F01	-255	File Exists. No information is available.
FFFF F01	-255	Close Fcb. No information is available.
FFFF F01	-255	IO Bound. No information is available.
FFFF F01	-255	No Spool File. No information is available.
FFFF F01	-255	Bad Spool Printer. No information is available.
FFFF F01	-255	Bad Parameter. No information is available.
FFFF F01	-255	No Files Found. No information is available.
FFFF F01	-255	No Trustee Change Privilege. No information is available.
FFFF F01	-255	Target Not Logged In. No information is available.
FFFF F01	-255	Target Not Accepting Messages. No information is available.
FFFF F01	-255	Must Force Down. No information is available.

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
Client Workstation Error Codes (These errors usually occur only at the workstation.)		
FFFFFF ED3	-301	Not Enough Memory. No information is available.
FFFFFF ED2	-302	Bad Key. No information is available.
FFFFFF ED1	-303	Bad Context. No information is available.
FFFFFF ED0	-304	Buffer Full. No information is available.
FFFFFF ECF	-305	List Empty. No information is available.
FFFFFF ECE	-306	Bad Syntax. No information is available.
FFFFFF ECD	-307	Buffer Empty. No information is available.
FFFFFF ECC	-308	Bad Verb. No information is available.
FFFFFF ECB	-309	Expected Identifier. No information is available.
FFFFFF ECA	-310	Expected Equals. No information is available.
FFFFFF EC9	-311	Attribute Type Expected. No information is available.
FFFFFF EC8	-312	Attribute Type Not Expected. No information is available.
FFFFFF EC7	-313	Filter Tree Empty. No information is available.
FFFFFF EC6	-314	Invalid Object Name. No information is available.
FFFFFF EC5	-315	Expected Rdn Delimiter. No information is available.
FFFFFF EC4	-316	Too Many Tokens. No information is available.
FFFFFF EC3	-317	Inconsistent Multiple AVA. No information is available.
FFFFFF EC2	-318	Country Name Too Long. No information is available.
FFFFFF EC1	-319	System Error. No information is available.
FFFFFF EC0	-320	Cant Add Root. No information is available.
FFFFFF EBF	-321	Unable To Attach. No information is available.
FFFFFF EBE	-322	Invalid Handle. No information is available.
FFFFFF EBD	-323	Buffer Zero Length. No information is available.
FFFFFF EBC	-324	Invalid Replica Type. No information is available.
FFFFFF EBB	-325	Invalid Attr Syntax. No information is available.

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
FFFFF EBA	-326	Invalid Filter Syntax. No information is available.
FFFFF EB8	-328	Context Creation. No information is available.
FFFFF EB7	-329	Invalid Union Tag. No information is available.
FFFFF EB6	-330	Invalid Server Response. No information is available.
FFFFF EB5	-331	Null Pointer. No information is available.
FFFFF EB4	-332	No Server Found. No information is available.
FFFFF EB3	-333	No Connection. No information is available.
FFFFF EB2	-334	Rdn Too Long. No information is available.
FFFFF EB1	-335	Duplicate Type. No information is available.
FFFFF EB0	-336	Data Store Failure. No information is available.
FFFFF EAF	-337	Not Logged In. No information is available.
FFFFF EAE	-338	Invalid Password Characters. No information is available.
FFFFF EAD	-339	Failed Server Authent. No information is available.
FFFFF EAC	-340	Transport. No information is available.
FFFFF EAB	-341	No Such Syntax. No information is available.
FFFFF EAA	-342	Invalid Ds Name. No information is available.
FFFFF EA9	-343	Attr Name Too Long. No information is available.
FFFFF EA8	-344	Invalid TDS. No information is available.
FFFFF EA7	-345	Invalid DS Version. No information is available.
FFFFF EA6	-346	Unicode Translation. No information is available.
FFFFF EA5	-347	Schema Name Too Long. No information is available.
FFFFF EA4	-348	Unicode File Not Found. No information is available.
FFFFF EA3	-349	Unicode Already Loaded. No information is available.
FFFFF EA2	-350	Not Context Owner. No information is available.
FFFFF EA1	-351	Attempt To Authenticate. No information is available.
FFFFF EA0	-352	No Writable Replicas. No information is available.



**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description</b>
FFFFFF E9F	-353	DN Too Long. No information is available.
FFFFFF E9E	-354	Rename Not Allowed. No information is available.
NDS Error Codes		
FFFFFF DA7	-601	<p><b>No such entry.</b> The entry name entered could not be found in the specified context. This could have been caused by one of the following:</p> <ul style="list-style-type: none"> <li>The name may have been mistyped.</li> <li>The workstation's context may be incorrect for the entry being sought.</li> <li>The leading dots or trailing dots may have been used incorrectly.</li> </ul> <p><i>Action:</i> Check the entry name's specified context. If the entry name was entered at the command line, check the workstation's context. Make sure that it points to the correct level of the Directory tree. If the entry's full or partial context was entered, make sure that the leading and trailing dots are appropriately specified and that the types are correct.</p>
FFFFFF DA6	-602	<p><b>No such value.</b> The requested attribute value could not be found.</p> <p><i>Action:</i> Use <i>NLIST</i> to determine if the value exists for the specified attribute. If this error occurs during login or authentication, it usually means that either the user's or the server's public keys could not be located. If this is the case, regenerate the user's key pair by using the appropriate utilities to change the password.</p> <p>If this error occurs during synchronization between servers, one of the public keys cannot be located or one of the server's replica lists contains inconsistent results. This error could be a temporary condition that exists because of the loosely consistent nature of NDS.</p>

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
FFFF DA5	-603	<p><b>No such attribute.</b> The requested attribute could not be found. In the Directory, an attribute that does not contain a value does not exist for the specific entry.</p> <p><i>Action:</i> Ensure that the attribute being requested is a valid NDS attribute (check spelling and syntax). Use <i>NLIST</i> to determine if the attribute exists for the specified entry. For example, <i>NLIST user=username /d</i> will show all attributes and their values for the specified username. You must have supervisor rights to the entry to see all of its associated attributes. Browse rights are given by default.)</p>
FFFF DA4	-604	<p><b>No such class.</b> A utility is trying to reference an object class that does not exist in the Directory. An NDS <i>object class</i> is similar to the bindery's <i>object type</i>. For example, object type 1 in the bindery is a user object; in NDS that object class is User. The class indicates the kind of entry to be created.</p> <p><i>Action:</i> NetWare 4 utilities access only Novell's base schema, which must be present for the Directory to operate. Determine what utility is being used to create the entry. This utility is attempting to use an object class that is currently not defined in Novell Directory Services. The shipping set of NetWare 4 utilities displays only valid object classes.</p>
FFFF DA3	-605	<p><b>No such partition.</b> A partition with the specified name does not exist. A partition in the Directory is named by the root entry of the specified partition. The very first partition in the Directory is [Root], which is the top of the Directory tree.</p> <p><i>Action:</i> Ensure that the partition name requested is valid and is a valid entry name.</p>
FFFF DA2	-606	<p><b>Entry already exists.</b> An attempt was made to add an entry at the same level as a preexisting entry of the same name, but not necessarily the same class.</p> <p><i>Action:</i> Specify a different name for the entry being added or rename the existing entry.</p>

Table D.1  
NDS Error Codes (Continued)

Error Code (Hex.)	Error Code (Decimal)	Description NDS Error Codes
FFFF DA1	-607	<p><b>Not effective class.</b> This error indicates that a noneffective class is being used to create the specified entry. Noneffective classes cannot be used to create an entry.</p> <p>NDS has two types of object classes: effective and noneffective. You can use all effective classes to create entries. (The base class of the object class is the class used to create the entry.) The class <i>Users</i> is one example of an effective class. You can use noneffective classes as super classes. These classes define information associated with various effective classes.</p> <p><i>Action:</i> The standard Novell utilities that ship with NetWare 4 allow only effective classes to be used when creating entries. Find out which utility is being used to create the entry. This utility is not following the rules of the specified entry.</p>
FFFF DA0	-608	<p><b>Illegal attribute.</b> An attempt was made to add an attribute that is not valid to an entry. The NDS schema determines what attributes an object class can inherit. (Refer to the NDS Schema documentation, if available.)</p> <p><i>Action:</i> You cannot add the specified attribute to the specified entry.</p>
FFFF D9F	-609	<p><b>Missing mandatory.</b> One or more of the mandatory attributes for the entry being created is missing. Each object class in the Directory has a set of mandatory attributes (attributes that must contain a value before the entry can be created). For example, a User entry in the Directory must have a Common Name (CN) and a Surname. A User entry will not be created without these attributes. An attribute exists only if the given attribute has a value specified for it.</p> <p><i>Action:</i> Input the required information when creating the entry.</p>
FFFF D9E	-610	<p><b>Illegal NDS name.</b> Illegal NDS names are those that are too long (more than 255 characters) or which contain illegal character combinations. The "\" character can only be followed by a "." or "=" or "+" or "\".</p>

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
FFFFFF D9D	-611	<b>Illegal containment.</b> The NDS containment rules specify where an object class can appear in relation to other entries in the Directory tree. For example, the object class <i>Country</i> can only be created at the top of the Directory, the object class <i>User</i> can only be created under Organizations and Organizational Units. The schema enforces the containment rules for NDS. <i>Action:</i> Go to the appropriate container to create the entry.
FFFFFF D9C	-612	<b>Can't have multiple values.</b> The specified attribute is single-valued. All attributes are either single- or multivalued. For example, the <i>Group Membership</i> attribute is multivalued. That is, a user can be a member of multiple groups. The Group Membership attribute exists once and can contain multiple group names (values). <i>Action:</i> For this attribute (information category in the utility), only one value (piece of information) can be supplied.
FFFFFF D9B	-613	<b>Syntax violation.</b> An incorrect attribute value is being added to an entry. This error is most often encountered if that value is the name of an entry that does not exist. <i>Action:</i> For most cases, verify that the entry name being added as a value is correct.
FFFFFF D9A	-614	<b>Duplicate value.</b> An attempt was made to add a duplicate value to the specified attribute. <i>Action:</i> Enter a different value.
FFFFFF D99	-615	<b>Attribute already exists.</b> An attempt was made to add an attribute that already exists. <i>Action:</i> If the attribute is multivalued, just add the specified value to the existing attribute. If the attribute is single-valued, delete the attribute and create it again with the new value.
FFFFFF D98	-616	<b>Maximum entries exist.</b> The maximum number of entries exist in the Directory tree. The maximum number of entries that can be created in the Directory is FFFFFFF F (3 bits of FF) which equals 16,777,220 decimal. <i>Action:</i> For the current version of NDS, you have reached the maximum number of entries that can be created. To continue, delete entries that are no longer needed.
FFFFFF D97	-617	<b>Database format.</b> The database format is invalid.

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description</b>
FFFFFF D96	-618	<b>Inconsistent database.</b> The server has detected an inconsistent database. Usually, this means that the number of entries in a container does not match the number stored in the container's entry. <i>Action:</i> Run DSREPAIR.
FFFFFF D95	-619	<b>Invalid comparison.</b> An attempt was made to do either of the following: Compare two attributes that are not comparable. Use an invalid compare syntax.
FFFFFF D94	-620	<b>Comparison failed.</b> A comparison of some kind failed.
FFFFFF D93	-621	<b>Transactions disabled.</b> The Transaction Tracking Service (TTS) has been disabled for the server on which the NDS operation is taking place. When TTS is disabled, NDS operations which require modifying the database on that server are also disabled. <i>Action:</i> At the console prompt of the file server, type <code>ENABLE TTS</code> . If TTS was disabled because volume <code>SYS:</code> is full, log into the server and delete unnecessary files from volume <code>SYS:</code> , then type <code>ENABLE TTS</code> at the console.
FFFFFF D92	-622	<b>Invalid transport.</b> The type of transport passed in to the server is not supported by the server.
FFFFFF D91	-623	<b>Syntax invalid in name.</b> The syntax for the specified name is invalid.
FFFFFF D90	-624	<b>Replica already exists.</b> A replica of the specified partition already exists on the server. <i>Action:</i> Select a different server. We recommend that a partition have no more than seven or eight replicas.

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
FFFF D8F	-625	<p><b>Transport failure.</b> The server is unable to communicate across the network for one or more of the following reasons:</p> <ul style="list-style-type: none"> <li>a server is down</li> <li>a bridge or other physical connection is down between servers</li> <li>or a server cannot be found</li> </ul> <p><i>Action:</i> Check cabling and LAN communications. Check the server names and network addresses. Make sure that they have not changed since this server has been installed into the Directory tree. If they have, set them back to the original settings (if available) and see if the error goes away. Once all the connections have been reestablished, it may take up to 5 minutes before this message goes away.</p>
FFFF D8E	-626	<p><b>All referrals failed.</b> All referrals failed. The entry could not be found. The entry could exist, but the server could not communicate with the server holding a copy of that entry. This error message is common when partition management is requested and events cannot occur because a server is inaccessible. This may be a temporary condition during partition functions.</p>
FFFF D8D	-627	<p><b>Can't remove naming value.</b> An attempt was made to delete the naming attribute.</p> <p><i>Action:</i> Rename the entry, and then delete the attribute.</p>
FFFF D8C	-628	<p><b>Object class violation.</b> An object class violation has occurred.</p>
FFFF D8B	-629	<p><b>Entry is not leaf.</b> The entry being deleted or modified is not a leaf entry. A container entry that does not contain any entries is considered to be a leaf entry, and therefore, can be deleted. If you attempt to delete a container entry that contains an entry of any class, the following error is returned: The utility can't delete Object_Class=Object_name because it is not a leaf object. A container entry that is a partition root cannot be deleted.</p> <p><i>Action:</i> Delete all entries under the container entry that is being deleted or modified. If the entry is a partition root, merge the partition with the parent partition and then delete the entry.</p>
FFFF D8A	-630	<p><b>Different tree.</b> No information is available.</p>

Table D.1  
NDS Error Codes (Continued)

Error Code (Hex.)	Error Code (Decimal)	Description NDS Error Codes
FFFFFF D89	-631	<b>Illegal replica type.</b> A replica needed to perform this function was not found. Typically, you will receive this error when you attempt to set your bindery context at the server console, and the server does not have a Read/Write replica of the container you are attempting to reference in the bindery context. <i>Action:</i> Use Partition Manager to add to that server a replica that includes the bindery context.
FFFFFF D88	-632	<b>System failure.</b> Unexpected results have occurred. For example, the client requested that the Directory return a network address attribute, and the Directory actually returned a public key attribute. This condition could be temporary. The client usually returns errors in the -301 to -399 range, but the client as well as the server can return this error during authentication.
FFFFFF D87	-633	<b>Invalid entry for Root.</b> An attempt was made to do one of the following: Restore or move an entry that is flagged as a partition root, but whose base class is not a container. Split a partition at an entry whose base class is not a container.
FFFFFF D86	-634	<b>No referrals.</b> The server has no entries that match the request and has no referrals on which to search for the entry.
FFFFFF D85	-635	<b>Remote failure.</b> The server could not contact another server needed to complete an operation. I
FFFFFF D84	-636	<b>Unreachable server.</b>
FFFFFF D83	-637	<b>Previous move in progress.</b> Once an entry has been moved from one context in the Directory to another, the Directory will not allow that entry to be moved again until all replicas of that entry have been updated. The length of time will vary depending on the size of the replica, the number of replicas, and the condition of the communication links between all the servers holding the replicas. <i>Action:</i> Leave the entry in its current context until it can be moved again. This could require that the entry be left in its new context for several minutes.
FFFFFF D82	-638	<b>No character mapping.</b>

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
FFFF D81	-639	<b>Incomplete authentication.</b>
FFFF D80	-640	Invalid certificate.
FFFF D7F	-641	<b>Invalid request.</b> The server did not understand the request. For example, a client workstation could have sent an incorrect verb.
FFFF D7E	-642	<b>Invalid iteration.</b> A client workstation sent an invalid iteration handle.
FFFF D7D	-643	<b>Schema is nonremovable.</b> An attempt was made to delete an NDS structure or configuration.
FFFF D7C	-644	<b>Schema is in use.</b> An attempt was made to delete an NDS configuration or structure (such as a container entry) that still contains an entry using that structure. <i>Action:</i> First delete the entry or attribute, then delete the structure.
FFFF D7B	-645	<b>Class already exists.</b> The object class being created already exists in the Directory Schema (see -604). <i>Action:</i> This error should only occur in a utility that updated the Directory Schema. NetWare 4 does not include a utility to modify the schema. Determine the utility causing the error.
FFFF D7A	-646	<b>Bad naming attributes.</b> Invalid naming attributes were used.
FFFF D79	-647	<b>Not Root partition.</b> An attempt was made to execute a function that is required on the root partition. Either of the following occurred: The client did not pass in the root partition name. The client attempted to perform the function somewhere besides the root partition.
FFFF D78	-648	<b>Insufficient stack.</b> The server stack was not large enough.
FFFF D77	-649	<b>Insufficient buffer.</b> The server ran out of memory. <i>Action:</i> See “Resolving Server Memory Problems” in <i>Supervising the Network</i> .
FFFF D76	-650	<b>Ambiguous containment.</b> An attempt was made to create an NDS definition for a class that contained an ambiguous containment rule.
FFFF D75	-651	<b>Ambiguous naming.</b> An attempt was made to create an NDS definition for a class that contained an ambiguous containment name.



Table D.1  
NDS Error Codes (Continued)

Error Code (Hex.)	Error Code (Decimal)	Description NDS Error Codes
FFFF D74	-652	<b>Duplicate mandatory.</b> An attempt was made to create an NDS definition for a class that contained a duplicate mandatory name.
FFFF D73	-653	<b>Duplicate optional.</b> An attempt was made to create an NDS definition for a class that contained a duplicate optional name.
FFFF D72	-654	<b>Partition busy.</b> Another partition operation is currently taking place. For example, if a request has previously been issued to split a partition, a second request for a split (even at another point in the same partition) results in this error. <i>Action:</i> Wait for the previous partition operation to synchronize completely.
FFFF D71	-655	<b>Multiple replicas.</b> An internal error that appears as a result of a programming error, not a system inconsistency.
FFFF D70	-656	<b>Crucial replica.</b> An attempt was made to perform one of the following illegal operations on a master replica: Remove it. Remove it from a server. Change its replica type (indirectly done by requesting that another server hold that master). Request that it receive all updates. This error can also be caused by attempting to add a replica to the server where the master of that replica exists.
FFFF D6F	-657	<b>Schema sync in progress.</b> The function could not be completed, because Directory synchronization is in progress. <i>Action:</i> Wait awhile and try again.
FFFF D6E	-658	<b>Skulk in progress.</b> The function could not be completed because replica synchronization is in progress. <i>Action:</i> Wait and try again.

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
FFFF D6D	-659	<p><b>Time not synchronized.</b> NDS uses time stamps to determine the order of events that take place in the Directory. Time Synchronization Services maintains a consistent time across the network. Modification operations require time stamps to be issued. If a replica on a server has issued a time stamp and the time on that server is set back, no further modification operations may take place until the time on the server moves past the last modification time on the partition. This applies only to operations that modify, not those that just read information.</p> <p><i>Action:</i> Use Partition Manager's Rebuild Replicas to reset the time stamps to the current time and then wait for the replicas to synchronize. You might have to do this partition by partition.</p>
FFFF D6C	-660	<p><b>Record in use.</b> The requested record is already in use.</p>
FFFF D6B	-661	<p><b>DS volume not mounted.</b> The NDS volume is not mounted.</p>
FFFF D6A	-662	<p><b>DS volume IO failure.</b> An I/O failure occurred on the NDS volume.</p>
FFFF D69	-663	<p><b>DS locked.</b> The Directory database is locked on the server.</p> <p><i>Action:</i> You might have to run DSREPAIR on the server.</p>
FFFF D68	-664	<p><b>Old epoch.</b> This is an NDS time stamp error.</p>
FFFF D67	-665	<p><b>New epoch.</b> This is an NDS time stamp error.</p>
FFFF D66	-666	<p><b>Incompatible DS Version.</b> Once the master replica exists on a 4.1 server, you can no longer perform replica operations that involve pre-4.1 servers. For example, once a 4.1 server holds a master replica, you cannot add a replica of that partition to a 4.02 server. Also, you cannot split a partition if the master replica is on a 4.1 server and pre-4.1 servers are in the ring.</p>
FFFF D65	-667	<p><b>Partition root.</b> The entry being manipulated is the root of an NDS partition. This error appears most often when you attempt to delete a container entry that is a partition root.</p> <p><i>Action:</i> Use the partition management tools to merge this partition into the parent partition.</p>
FFFF D64	-668	<p><b>Entry not container.</b> An illegal function was attempted on a leaf entry.</p>

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description</b>
FFFFFF D63	-669	<b>Failed authentication.</b> The NDS database is locked on the server. An invalid password was sent. Authentication failed.
FFFFFF D62	-670	<b>Invalid Context.</b> An attempt is being made to backlink a nonserver entry that does not have a network address.
FFFFFF D61	-671	<b>No such parent.</b> A parent was specified that does not exist.
FFFFFF D60	-672	<b>No access.</b> The client does not have sufficient rights to perform the requested operation.
FFFFFF D5F	-673	<b>Replica not on.</b> The replica is being created on a server. Until all the entry information has been received on that server, the replica is <i>OFF</i> (not available for use by NDS clients). <i>Action:</i> Wait until the replica is created on the other server.
FFFFFF D5E	-674	<b>Invalid Name Service.</b> This is an internal error caused by the client's management of the context.
FFFFFF D5D	-675	<b>Invalid Task.</b> This is an internal error caused by the client's management of the context.
FFFFFF D5C	-676	<b>Invalid Conn Handle.</b> This is an internal error caused by the client's management of the context.
FFFFFF D5B	-677	<b>Invalid Identity.</b> This is an internal error caused by the client's management of the context.
FFFFFF D58	-678	<b>Duplicate ACL.</b> This usually happens only while merging a tree. The error indicates that the context is invalid. <i>Action:</i> Open and close the database. The error should resolve itself.
FFFFFF D59	-679	<b>Partition already exists.</b> An attempt was made to create a partition that already exists.
FFFFFF D58	-680	<b>Not a subordinate reference.</b> An attempt was made to use a reference that is not a subordinate reference.
FFFFFF D57	-681	<b>Alias of an alias.</b> An attempt was made to use an alias of an alias.
FFFFFF D56	-682	<b>Auditing failed.</b> The auditing function failed.
FFFFFF D55	-683	<b>Invalid API version.</b> An invalid application API is being used. <i>Action:</i> Update your software.

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description</b>
FFFFFF D54	-684	<b>Secure NCP violation.</b> The server expected to receive a signed packet from a client and did not receive one.
FFFFFF D53	-685	<b>Move in Progress.</b>
FFFFFF D52	-686	<b>Not Leaf Partition.</b> A subtree can only be moved if it is a leaf partition.
FFFFFF D51	-687	<b>Cannot Abort.</b> An attempt was made to abort a partition operation: while it was in one of the following states: Changing a replica type when the state of the replica does not show that the replica type is changing or that the change is not in the initial state. Splitting a partition when the state of that replica does not show that the partition is splitting or that the split is not in the initial state. Joining a partition when the parent partition does not show that the partition is in the initial join state with the partition in the request. Moving a subtree when the move has proceeded past the initial move subtree state.
	-688	<b>Cache Overflow.</b>
FFFFFF D47	-689	<b>Invalid Subordinate Count.</b> This error indicates an inconsistent entry. <i>Action:</i> Run DSRepair.
FFFFFF D4E	-690	<b>Invalid RDN.</b> This error indicates an inconsistent entry. <i>Action:</i> Run DSRepair.
FFFFFF D4D	-691	<b>Mod Time Not Correct.</b> This error indicates an inconsistent entry. <i>Action:</i> Run DSRepair.
FFFFFF D4E	-692	<b>Incorrect Base Class.</b> This error indicates an inconsistent entry. <i>Action:</i> Run DSRepair.
FFFFFF D4B	-693	<b>Missing Reference.</b> NDS cannot delete an entry with a 0 creation time stamp.
FFFFFF D4A	-694	<b>Lost Entry.</b> NDS cannot update an entry that has not yet been received as a new entry.
FFFFFF D49	-695	<b>Agent Already Registered.</b> An attempt was made to reload the DSAgent when it is already loaded.
FFFFFF D48	-696	<b>DS Loader Busy.</b> This is an internal DS error.

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
FFFF D47	-697	<b>DS Cannot Reload.</b> Possibly, the server cannot find a valid copy of DS. <i>Action:</i> Contact your Novell Authorized Reseller.
FFFF D46	-698	<b>Replica in Skulk.</b> A server is currently synchronizing with another server in the replica ring.
FFFF D45	-699	<b>Fatal.</b> An unrecoverable error has occurred, and the operation cannot be completed. <i>Action:</i> Contact your Novell Authorized Reseller.
FFFF D44	-700	<b>Obsolete API.</b> The client made a request that is no longer supported by NDS. <i>Action:</i> Obtain an updated version of the program that is compatible with the current version of NDS.
FFFF D43	-701	<b>Synchronization Disabled.</b> Schema synchronization has been disabled by an API (or dstrace = !S0) call. <i>Action:</i> Enable schema synchronization through the API or by set dstrace = !S1.
FFFF D42	-702	<b>Invalid Parameter.</b> An invalid parameter was passed to an internal NDS function. <i>Action:</i> Retry the operation. If it fails again, the DIB may have become corrupted. In this case, run DSRepair.
FFFF D41	-703	<b>Duplicate Template.</b> A server using NDS 4.02 or earlier versions may have tried to synchronize duplicate ACL templates.
FFFF D40	-704	<b>No Master Replica.</b> Not used currently.
FFFF D3F	-705	<b>Duplicate Containment.</b> Schema synchronization from an NDS 4.02 or earlier server may have tried to add containment for a class that already exists.
FFFF D3E	-706	<b>Not Sibling.</b> NDS attempted to merge two entries that are not siblings (do not have the same parent container). The client API may have passed a bad parameter. <i>Action:</i> Specify the correct parameters (in this case, the Entry IDs) in the <i>DSAMergeEntries</i> API.
FFFFD3D	-707	<b>Invalid Signature</b>
FFFFD3C	-708	<b>Invalid Response</b>
FFFFD3B	-709	<b>Insufficient Sockets</b>
FFFFD3A	-710	<b>Database Read Fail</b>

**Table D.1**  
**NDS Error Codes (Continued)**

<b>Error Code (Hex.)</b>	<b>Error Code (Decimal)</b>	<b>Description NDS Error Codes</b>
FFFFFFD39	-711	<b>Invalid Code Page</b>
FFFFFFD38	-712	<b>Invalid Escape Character</b>
FFFFFFD37	-713	<b>Invalid Delimiters</b>
FFFFFFD36	-714	<b>Not Implemented</b>
FFFFFFD35	-715	<b>Checksum Failure</b>
FFFFFFD34	-716	<b>Checksumming Not Supported</b>
FFFFFFD33	-717	<b>CRC Failure</b>
FFFFFFD32	-718	<b>Invalid Entry Handle</b>
FFFFFFD31	-719	<b>Invalid Value Handle</b>
FFFFFFD30	-720	<b>Connection Denied</b>
FFFFFFD29	-721	<b>No Such Federation Link</b>
FFFFFFD28	-722	<b>Schema Mismatch</b>
FFFFFFD27	-723	<b>Stream Not Found</b>
FFFFFFD26	-724	<b>DClient Unavailable</b>
FFFFFFD25	-731	<b>Operation Not Licensed</b>
FFFFFFD24	-732	<b>LES Open Failure</b>
FFFFFFD23	-733	<b>LES Invalid Argument</b>
FFFFFFD22	-734	<b>LES Timeout</b>