Contents

IRC Numeric Codes

The codes included here are taken from:

Network Working Group   **J. Oikarinen**
Request for Comments: 1459   **D. Reed**
May 1993
                          Internet Relay Chat Protocol

Which is available at: **http://ds.internic.net/rfc/rfc1459.txt**

The following Help Topics are available:

The Help Authors Advisory

Series 400 codes Error Replies (includes 2 series 500 codes)
Series 300 codes Command Replies
Series 200 codes Command Replies
Reserved Numerics Various Reserved or No-Longer-Used Codes

For Help on Help, Press F1

hlp ver 1.a

Numeric Code Advisory:

This help is not designed as a guide for the use of IRC Numeric Codes, but as a simple reference to the Numeric Code numbers.   It is primarily designed for mIRC user's with versions later than 4.5.

Thanks to Hot_Ice for pointing me to the source document.

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Series 400 Codes: Error Replies

REPLIES

The following is a list of numeric replies which are generated in response to the commands given above.   Each numeric is given with its number, name and reply string.

Error Replies.

    401   ERR_NOSUCHNICK
                "<nickname> :No such nick/channel"

          - Used to indicate the nickname parameter supplied to a
            command is currently unused.

    402   ERR_NOSUCHSERVER
                "<server name> :No such server"

          - Used to indicate the server name given currently
            doesn't exist.

    403   ERR_NOSUCHCHANNEL
                "<channel name> :No such channel"

          - Used to indicate the given channel name is invalid.

    404   ERR_CANNOTSENDTOCHAN
                "<channel name> :Cannot send to channel"

          - Sent to a user who is either (a) not on a channel
            which is mode +n or (b) not a chanop (or mode +v) on
            a channel which has mode +m set and is trying to send
            a PRIVMSG message to that channel.

    405   ERR_TOOMANYCHANNELS
                "<channel name> :You have joined too many \
                  channels"
         - Sent to a user when they have joined the maximum
            number of allowed channels and they try to join
            another channel.

    406   ERR_WASNOSUCHNICK
                "<nickname> :There was no such nickname"

          - Returned by WHOWAS to indicate there is no history
            information for that nickname.

    407   ERR_TOOMANYTARGETS
                "<target> :Duplicate recipients. No message \
                  delivered"

          - Returned to a client which is attempting to send a
            PRIVMSG/NOTICE using the user@host destination format
            and for a user@host which has several occurrences.

409   ERR_NOORIGIN
                ":No origin specified"

        - PING or PONG message missing the originator parameter
          which is required since these commands must work
          without valid prefixes.

411   ERR_NORECIPIENT
                ":No recipient given (<command>)"
412   ERR_NOTEXTTOSEND
                ":No text to send"
413   ERR_NOTOPLEVEL
                "<mask> :No toplevel domain specified"
414   ERR_WILDTOPLEVEL
                "<mask> :Wildcard in toplevel domain"

        - 412 - 414 are returned by PRIVMSG to indicate that
          the message wasn't delivered for some reason.
          ERR_NOTOPLEVEL and ERR_WILDTOPLEVEL are errors that
          are returned when an invalid use of
          "PRIVMSG $<server>" or "PRIVMSG #<host>" is attempted.

421   ERR_UNKNOWNCOMMAND
                "<command> :Unknown command"

        - Returned to a registered client to indicate that the
          command sent is unknown by the server.

422   ERR_NOMOTD
                ":MOTD File is missing"

        - Server's MOTD file could not be opened by the server.

423   ERR_NOADMININFO
                "<server> :No administrative info available"

        - Returned by a server in response to an ADMIN message
          when there is an error in finding the appropriate
          information.

424   ERR_FILEERROR
        ":File error doing <file op> on <file>"

        - Generic error message used to report a failed file
          operation during the processing of a message.

431   ERR_NONICKNAMEGIVEN
                ":No nickname given"

        - Returned when a nickname parameter expected for a
          command and isn't found.

432   ERR_ERRONEUSNICKNAME
                "<nick> :Erroneus nickname"

        - Returned after receiving a NICK message which contains
          characters which do not fall in the defined set.   See
          section x.x.x for details on valid nicknames.

433   ERR_NICKNAMEINUSE
                "<nick> :Nickname is already in use"

        - Returned when a NICK message is processed that results
          in an attempt to change to a currently existing
          nickname.

436   ERR_NICKCOLLISION
                "<nick> :Nickname collision KILL"

        - Returned by a server to a client when it detects a
          nickname collision (registered of a NICK that
          already exists by another server).

441   ERR_USERNOTINCHANNEL
                "<nick> <channel> :They aren't on that channel"

        - Returned by the server to indicate that the target
          user of the command is not on the given channel.

442   ERR_NOTONCHANNEL
                "<channel> :You're not on that channel"

        - Returned by the server whenever a client tries to
          perform a channel effecting command for which the
          client isn't a member.

443   ERR_USERONCHANNEL
                "<user> <channel> :is already on channel"

        - Returned when a client tries to invite a user to a
          channel they are already on.

444   ERR_NOLOGIN
                "<user> :User not logged in"

        - Returned by the summon after a SUMMON command for a
          user was unable to be performed since they were not
          logged in.

445   ERR_SUMMONDISABLED
                ":SUMMON has been disabled"

        - Returned as a response to the SUMMON command.   Must be
          returned by any server which does not implement it.

446   ERR_USERSDISABLED
                ":USERS has been disabled"

        - Returned as a response to the USERS command.   Must be
          returned by any server which does not implement it.

451   ERR_NOTREGISTERED
                ":You have not registered"

        - Returned by the server to indicate that the client
          must be registered before the server will allow it
          to be parsed in detail.

461   ERR_NEEDMOREPARAMS
                "<command> :Not enough parameters"

        - Returned by the server by numerous commands to
          indicate to the client that it didn't supply enough
          parameters.

462   ERR_ALREADYREGISTRED
                ":You may not reregister"

        - Returned by the server to any link which tries to
          change part of the registered details (such as
          password or user details from second USER message).

463   ERR_NOPERMFORHOST
                ":Your host isn't among the privileged"

        - Returned to a client which attempts to register with
          a server which does not been setup to allow
          connections from the host the attempted connection
          is tried.

464   ERR_PASSWDMISMATCH
                ":Password incorrect"

        - Returned to indicate a failed attempt at registering
          a connection for which a password was required and
          was either not given or incorrect.

465   ERR_YOUREBANNEDCREEP
                ":You are banned from this server"

        - Returned after an attempt to connect and register
          yourself with a server which has been setup to
          explicitly deny connections to you.

467   ERR_KEYSET
                "<channel> :Channel key already set"
471   ERR_CHANNELISFULL
                "<channel> :Cannot join channel (+l)"

472   ERR_UNKNOWNMODE
              "<char> :is unknown mode char to me"
473   ERR_INVITEONLYCHAN
              "<channel> :Cannot join channel (+i)"
474   ERR_BANNEDFROMCHAN
              "<channel> :Cannot join channel (+b)"
475   ERR_BADCHANNELKEY
              "<channel> :Cannot join channel (+k)"
481   ERR_NOPRIVILEGES
              ":Permission Denied- You're not an IRC operator"

       - Any command requiring operator privileges to operate
         must return this error to indicate the attempt was
         unsuccessful.

482   ERR_CHANOPRIVSNEEDED
              "<channel> :You're not channel operator"

       - Any command requiring 'chanop' privileges (such as
         MODE messages) must return this error if the client
         making the attempt is not a chanop on the specified
         channel.

483   ERR_CANTKILLSERVER
              ":You cant kill a server!"

       - Any attempts to use the KILL command on a server
         are to be refused and this error returned directly
         to the client.

491   ERR_NOOPERHOST
              ":No O-lines for your host"

       - If a client sends an OPER message and the server has
         not been configured to allow connections from the
         client's host as an operator, this error must be
         returned.

501   ERR_UMODEUNKNOWNFLAG
              ":Unknown MODE flag"

       - Returned by the server to indicate that a MODE
         message was sent with a nickname parameter and that
         the a mode flag sent was not recognized.

502   ERR_USERSDONTMATCH
              ":Cant change mode for other users"

       - Error sent to any user trying to view or change the
         user mode for a user other than themselves.

Series 300 Codes: Command Replies

Command responses.

300   RPL_NONE
            Dummy reply number. Not used.

302   RPL_USERHOST
            ":[<reply>{<space><reply>}]"

     - Reply format used by USERHOST to list replies to
       the query list.   The reply string is composed as
       follows:

       <reply> ::= <nick>['*'] '=' <'+'|'-'><hostname>

       The '*' indicates whether the client has registered
       as an Operator.   The '-' or '+' characters represent
       whether the client has set an AWAY message or not
       respectively.

303   RPL_ISON
            ":[<nick> {<space><nick>}]"

     - Reply format used by ISON to list replies to the
       query list.

301   RPL_AWAY
            "<nick> :<away message>"

305   RPL_UNAWAY
            ":You are no longer marked as being away"
306   RPL_NOWAWAY
            ":You have been marked as being away"

     - These replies are used with the AWAY command (if
       allowed).   RPL_AWAY is sent to any client sending a
       PRIVMSG to a client which is away.   RPL_AWAY is only
       sent by the server to which the client is connected.
       Replies RPL_UNAWAY and RPL_NOWAWAY are sent when the
       client removes and sets an AWAY message.

311   RPL_WHOISUSER
            "<nick> <user> <host> * :<real name>"
312   RPL_WHOISSERVER
            "<nick> <server> :<server info>"
313   RPL_WHOISOPERATOR
            "<nick> :is an IRC operator"
317   RPL_WHOISIDLE
            "<nick> <integer> :seconds idle"
318   RPL_ENDOFWHOIS
            "<nick> :End of /WHOIS list"
319   RPL_WHOISCHANNELS
            "<nick> :{[@|+]<channel><space>}"

- Replies 311 - 313, 317 - 319 are all replies
         generated in response to a WHOIS message.   Given that
         there are enough parameters present, the answering
         server must either formulate a reply out of the above
         numerics (if the query nick is found) or return an
         error reply.   The '*' in RPL_WHOISUSER is there as
         the literal character and not as a wild card.   For
         each reply set, only RPL_WHOISCHANNELS may appear
         more than once (for long lists of channel names).
         The '@' and '+' characters next to the channel name
         indicate whether a client is a channel operator or
         has been granted permission to speak on a moderated
         channel.   The RPL_ENDOFWHOIS reply is used to mark
         the end of processing a WHOIS message.

   314   RPL_WHOWASUSER
                   "<nick> <user> <host> * :<real name>"
   369   RPL_ENDOFWHOWAS
                   "<nick> :End of WHOWAS"

         - When replying to a WHOWAS message, a server must use
           the replies RPL_WHOWASUSER, RPL_WHOISSERVER or
           ERR_WASNOSUCHNICK for each nickname in the presented
           list.   At the end of all reply batches, there must
           be RPL_ENDOFWHOWAS (even if there was only one reply
           and it was an error).

   321   RPL_LISTSTART
                   "Channel :Users   Name"
   322   RPL_LIST
                   "<channel> <# visible> :<topic>"
   323   RPL_LISTEND
                   ":End of /LIST"

         - Replies RPL_LISTSTART, RPL_LIST, RPL_LISTEND mark
           the start, actual replies with data and end of the
           server's response to a LIST command.   If there are
           no channels available to return, only the start
           and end reply must be sent.

   324   RPL_CHANNELMODEIS
                   "<channel> <mode> <mode params>"

   331   RPL_NOTOPIC
                   "<channel> :No topic is set"
   332   RPL_TOPIC
                   "<channel> :<topic>"

         - When sending a TOPIC message to determine the
           channel topic, one of two replies is sent.   If
           the topic is set, RPL_TOPIC is sent back else
           RPL_NOTOPIC.

   341   RPL_INVITING

"<channel> <nick>"

            - Returned by the server to indicate that the
              attempted INVITE message was successful and is
              being passed onto the end client.

    342   RPL_SUMMONING
                    "<user> :Summoning user to IRC"

            - Returned by a server answering a SUMMON message to
              indicate that it is summoning that user.

    351   RPL_VERSION
                    "<version>.<debuglevel> <server> :<comments>"

            - Reply by the server showing its version details.
              The <version> is the version of the software being
              used (including any patchlevel revisions) and the
              <debuglevel> is used to indicate if the server is
              running in "debug mode".

              The "comments" field may contain any comments about
              the version or further version details.

    352   RPL_WHOREPLY
                    "<channel> <user> <host> <server> <nick> \
                     <H|G>[*][@|+] :<hopcount> <real name>"
    315   RPL_ENDOFWHO
                    "<name> :End of /WHO list"

            - The RPL_WHOREPLY and RPL_ENDOFWHO pair are used
              to answer a WHO message.   The RPL_WHOREPLY is only
              sent if there is an appropriate match to the WHO
              query.   If there is a list of parameters supplied
              with a WHO message, a RPL_ENDOFWHO must be sent
              after processing each list item with <name> being
              the item.

    353   RPL_NAMREPLY
                    "<channel> :[[@|+]<nick> [[@|+]<nick> [...]]]"
    366   RPL_ENDOFNAMES
                    "<channel> :End of /NAMES list"

            - To reply to a NAMES message, a reply pair consisting
              of RPL_NAMREPLY and RPL_ENDOFNAMES is sent by the
              server back to the client.   If there is no channel
              found as in the query, then only RPL_ENDOFNAMES is
              returned.   The exception to this is when a NAMES
              message is sent with no parameters and all visible
              channels and contents are sent back in a series of
              RPL_NAMEREPLY messages with a RPL_ENDOFNAMES to mark
              the end.

    364   RPL_LINKS
                    "<mask> <server> :<hopcount> <server info>"

365   RPL_ENDOFLINKS
                "<mask> :End of /LINKS list"

        - In replying to the LINKS message, a server must send
          replies back using the RPL_LINKS numeric and mark the
          end of the list using an RPL_ENDOFLINKS reply.

367   RPL_BANLIST
                "<channel> <banid>"
368   RPL_ENDOFBANLIST
                "<channel> :End of channel ban list"

        - When listing the active 'bans' for a given channel,
          a server is required to send the list back using the
          RPL_BANLIST and RPL_ENDOFBANLIST messages.   A separate
          RPL_BANLIST is sent for each active banid.   After the
          banids have been listed (or if none present) a
          RPL_ENDOFBANLIST must be sent.

371   RPL_INFO
                ":<string>"
374   RPL_ENDOFINFO
                ":End of /INFO list"

        - A server responding to an INFO message is required to
          send all its 'info' in a series of RPL_INFO messages
          with a RPL_ENDOFINFO reply to indicate the end of the
          replies.

375   RPL_MOTDSTART
                ":- <server> Message of the day - "
372   RPL_MOTD
                ":- <text>"
376   RPL_ENDOFMOTD
                ":End of /MOTD command"

        - When responding to the MOTD message and the MOTD file
          is found, the file is displayed line by line, with
          each line no longer than 80 characters, using
          RPL_MOTD format replies.   These should be surrounded
          by a RPL_MOTDSTART (before the RPL_MOTDs) and an
          RPL_ENDOFMOTD (after).

381   RPL_YOUREOPER
                ":You are now an IRC operator"

        - RPL_YOUREOPER is sent back to a client which has
          just successfully issued an OPER message and gained
          operator status.

382   RPL_REHASHING
                "<config file> :Rehashing"

        - If the REHASH option is used and an operator sends
          a REHASH message, an RPL_REHASHING is sent back to

the operator.

391   RPL_TIME
                "<server> :<string showing server's local time>"

        - When replying to the TIME message, a server must send
          the reply using the RPL_TIME format above.   The string
          showing the time need only contain the correct day and
          time there.   There is no further requirement for the
          time string.

392   RPL_USERSSTART
                ":UserID   Terminal   Host"
393   RPL_USERS
                ":%-8s %-9s %-8s"
394   RPL_ENDOFUSERS
                ":End of users"
395   RPL_NOUSERS
                ":Nobody logged in"

        - If the USERS message is handled by a server, the
          replies RPL_USERSTART, RPL_USERS, RPL_ENDOFUSERS and
          RPL_NOUSERS are used.   RPL_USERSSTART must be sent
          first, following by either a sequence of RPL_USERS
          or a single RPL_NOUSER.   Following this is
          RPL_ENDOFUSERS.

Series 200 Codes: Command Replies

200   RPL_TRACELINK
           "Link <version & debug level> <destination> \
            <next server>"

201   RPL_TRACECONNECTING
           "Try. <class> <server>"

202   RPL_TRACEHANDSHAKE
           "H.S. <class> <server>"

203   RPL_TRACEUNKNOWN
           "???? <class> [<client IP address in dot form>]"

204   RPL_TRACEOPERATOR
           "Oper <class> <nick>"

205   RPL_TRACEUSER
           "User <class> <nick>"

206   RPL_TRACESERVER
           "Serv <class> <int>S <int>C <server> \
            <nick!user|*!*>@<host|server>"

208   RPL_TRACENEWTYPE
           "<newtype> 0 <client name>"

261   RPL_TRACELOG
           "File <logfile> <debug level>"

     - The RPL_TRACE* are all returned by the server in
       response to the TRACE message.   How many are
       returned is dependent on the the TRACE message and
       whether it was sent by an operator or not.   There
       is no predefined order for which occurs first.
       Replies RPL_TRACEUNKNOWN, RPL_TRACECONNECTING and
       RPL_TRACEHANDSHAKE are all used for connections
       which have not been fully established and are either
       unknown, still attempting to connect or in the
       process of completing the 'server handshake'.
       RPL_TRACELINK is sent by any server which handles
       a TRACE message and has to pass it on to another
       server.   The list of RPL_TRACELINKs sent in
       response to a TRACE command traversing the IRC
       network should reflect the actual connectivity of
       the servers themselves along that path.
       RPL_TRACENEWTYPE is to be used for any connection
       which does not fit in the other categories but is
       being displayed anyway.

211   RPL_STATSLINKINFO
           "<linkname> <sendq> <sent messages> \
            <sent bytes> <received messages> \
            <received bytes> <time open>"

212   RPL_STATSCOMMANDS
           "<command> <count>"

213   RPL_STATSCLINE
           "C <host> * <name> <port> <class>"

214   RPL_STATSNLINE
           "N <host> * <name> <port> <class>"

215   RPL_STATSILINE
           "I <host> * <host> <port> <class>"

216   RPL_STATSKLINE
            "K <host> * <username> <port> <class>"
218   RPL_STATSYLINE
            "Y <class> <ping frequency> <connect \
             frequency> <max sendq>"
219   RPL_ENDOFSTATS
            "<stats letter> :End of /STATS report"
241   RPL_STATSLLINE
            "L <hostmask> * <servername> <maxdepth>"
242   RPL_STATSUPTIME
            ":Server Up %d days %d:%02d:%02d"
243   RPL_STATSOLINE
            "O <hostmask> * <name>"
244   RPL_STATSHLINE
            "H <hostmask> * <servername>"

221   RPL_UMODEIS
            "<user mode string>"

            - To answer a query about a client's own mode,
              RPL_UMODEIS is sent back.

251   RPL_LUSERCLIENT
            ":There are <integer> users and <integer> \
             invisible on <integer> servers"
252   RPL_LUSEROP
            "<integer> :operator(s) online"
253   RPL_LUSERUNKNOWN
            "<integer> :unknown connection(s)"
254   RPL_LUSERCHANNELS
            "<integer> :channels formed"
255   RPL_LUSERME
            ":I have <integer> clients and <integer> \
             servers"

            - In processing an LUSERS message, the server
              sends a set of replies from RPL_LUSERCLIENT,
              RPL_LUSEROP, RPL_USERUNKNOWN,
              RPL_LUSERCHANNELS and RPL_LUSERME.   When
              replying, a server must send back
              RPL_LUSERCLIENT and RPL_LUSERME.   The other
              replies are only sent back if a non-zero count
              is found for them.

256   RPL_ADMINME
            "<server> :Administrative info"
257   RPL_ADMINLOC1
            ":<admin info>"
258   RPL_ADMINLOC2
            ":<admin info>"
259   RPL_ADMINEMAIL
            ":<admin info>"

            - When replying to an ADMIN message, a server
              is expected to use replies RLP_ADMINME

through to RPL_ADMINEMAIL and provide a text message with each.   For RPL_ADMINLOC1 a description of what city, state and country the server is in is expected, followed by details of the university and department (RPL_ADMINLOC2) and finally the administrative contact for the server (an email address here is required) in RPL_ADMINEMAIL.

Reserved Numerics

Reserved numerics.

These numerics are not described above since they fall into one of the following categories:

1. no longer in use;

2. reserved for future planned use;

3. in current use but are part of a non-generic 'feature' of the current IRC server.

209	RPL_TRACECLASS	217	RPL_STATSQLINE
231	RPL_SERVICEINFO	232	RPL_ENDOFSERVICES
233	RPL_SERVICE	234	RPL_SERVLIST
235	RPL_SERVLISTEND		
316	RPL_WHOISCHANOP	361	RPL_KILLDONE
362	RPL_CLOSING	363	RPL_CLOSEEND
373	RPL_INFOSTART	384	RPL_MYPORTIS
466	ERR_YOUWILLBEBANNED	476	ERR_BADCHANMASK
492	ERR_NOSERVICEHOST		