Network Working Group   Mark Crispin
Request for Comments 736   SU-AI
NIC 42213   31 October 1977

TELNET SUPDUP Option

1. Command name and code.

    SUPDUP   21

2. Command meanings.

    IAC WILL SUPDUP

       The sender of this command REQUESTS permission to, or confirms
       that it will, use the SUPDUP display protocol

    IAC WON'T SUPDUP

       The sender of this command REFUSES to use the SUPDUP protocol.

    IAC DO SUPDUP

       The sender of this command REQUESTS that the receiver use, or
       grants the receiver permission to use, the SUPDUP protocol.

    IAC DON'T

       The sender of this command DEMANDS that the receiver not use the
       SUPDUP protocol.

3. Default.

    WON'T SUPDUP

    DON'T SUPDUP

    i.e., the SUPDUP display protocol is not in use.

4. Motivation for the option.

    Since the publication of RFC 734, I have been requested to design
    an option to the TELNET protocol to provide for SUPDUP service.
    This option allows a host to provide SUPDUP service on the normal
    TELNET socket (27 octal) instead of 137 (octal) which is the normal
    SUPDUP ICP socket.

5. Description of the option.

    A user TELNET program which wishes to use the SUPDUP display
    protocol instead of the NVT terminal service should send an IAC DO
    SUPDUP. If the server is willing to use the SUPDUP display
    protocol, it should respond with IAC WILL SUPDUP; otherwise it
    should refuse with IAC WONT SUPDUP.

    For hosts which normally provide SUPDUP terminal services, the
    server can send IAC WILL SUPDUP upon ICP which the user may then
    accept or refuse.

    If the SUPDUP option is in effect, no further TELNET negotiations
    are allowed.   They are meaningless, since SUPDUP has its own
    facilities to perform the functions that are needed. Hence, octal
    377 will become an ordinary transmitted character (in this case an
    invalid %TD code) instead of an IAC.

    Following the mutual acceptance of the SUPDUP option, the SUPDUP
    negotiation proceeds as described in RFC 734.