

MSN Instant Messenger PROTOCOL

Real-Time Packet Analysis Lab.
Queue Management Team.

:
: 2002/9/10

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1 Overview

1.1 Overview

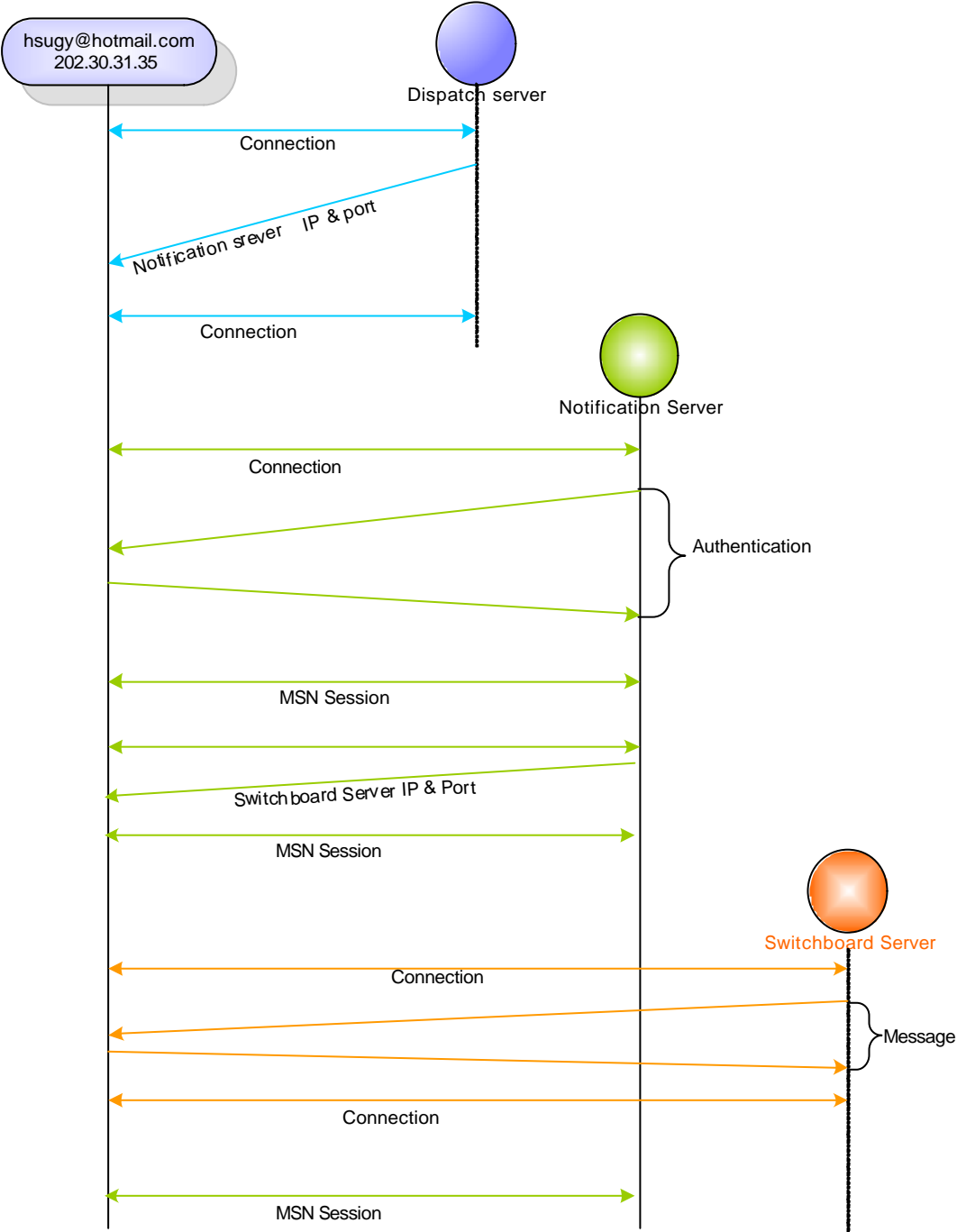
☞ Socket information

- Use only TCP socket
- Port number should always be 1863, but the server can specify another port.

☞ Types of Servers

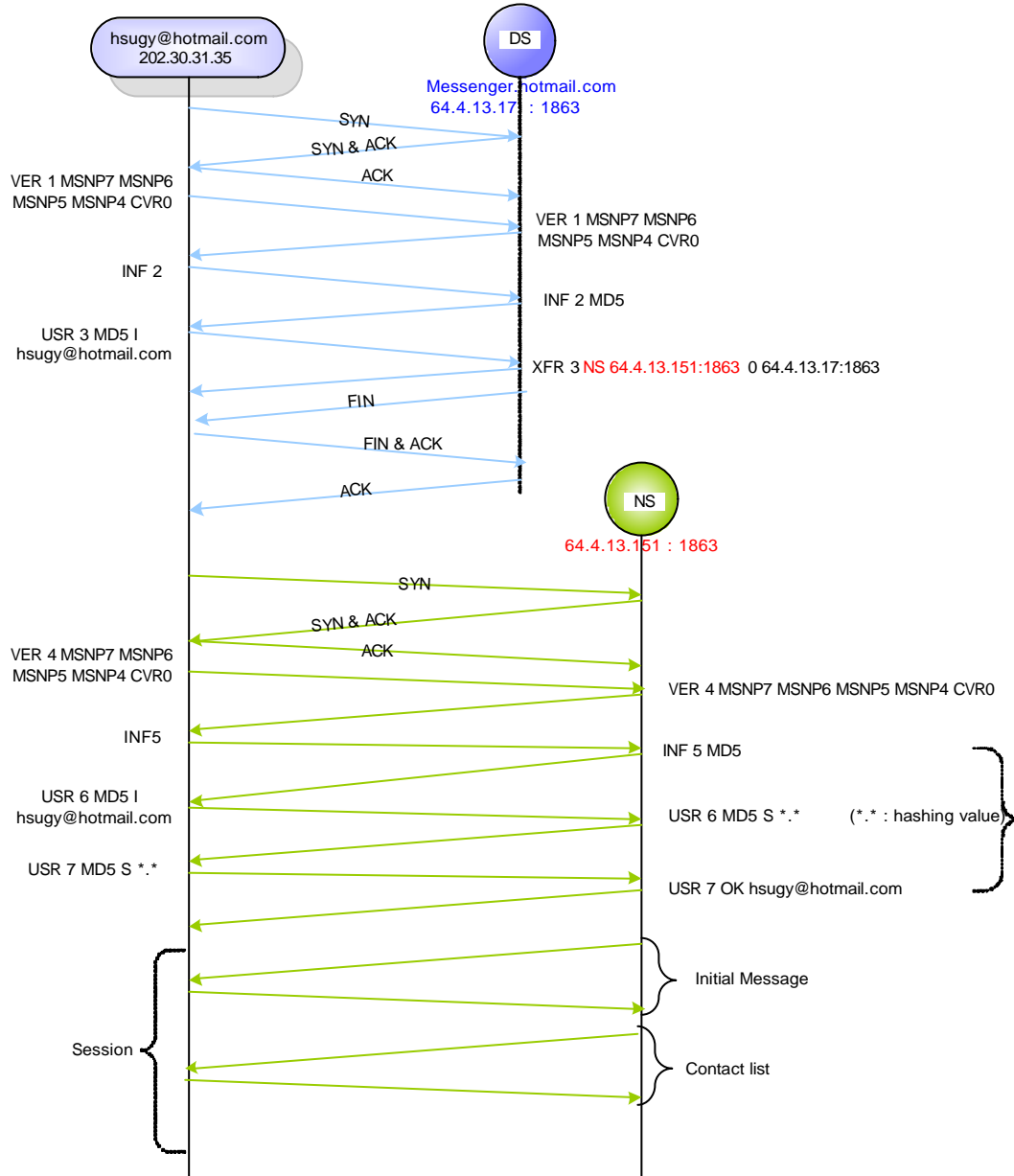
server	description
Dispatch Server	Initial point of connection. Refers users to the appropriate notification server. This server can be connected through messenger.hotmail.com on port 1863.
Notification Server	This is where the entire session is maintained. Almost everything happens here, including state changes, list retrieval and changes , chat request and email notification.
Switchboard Server	Gateway between users for chat. A new switchboard session is opened for every chat window in MSN. All messages go through here, along with invitations for services such as file transfer and voice chat.

1.2 Flow



2 Connecting

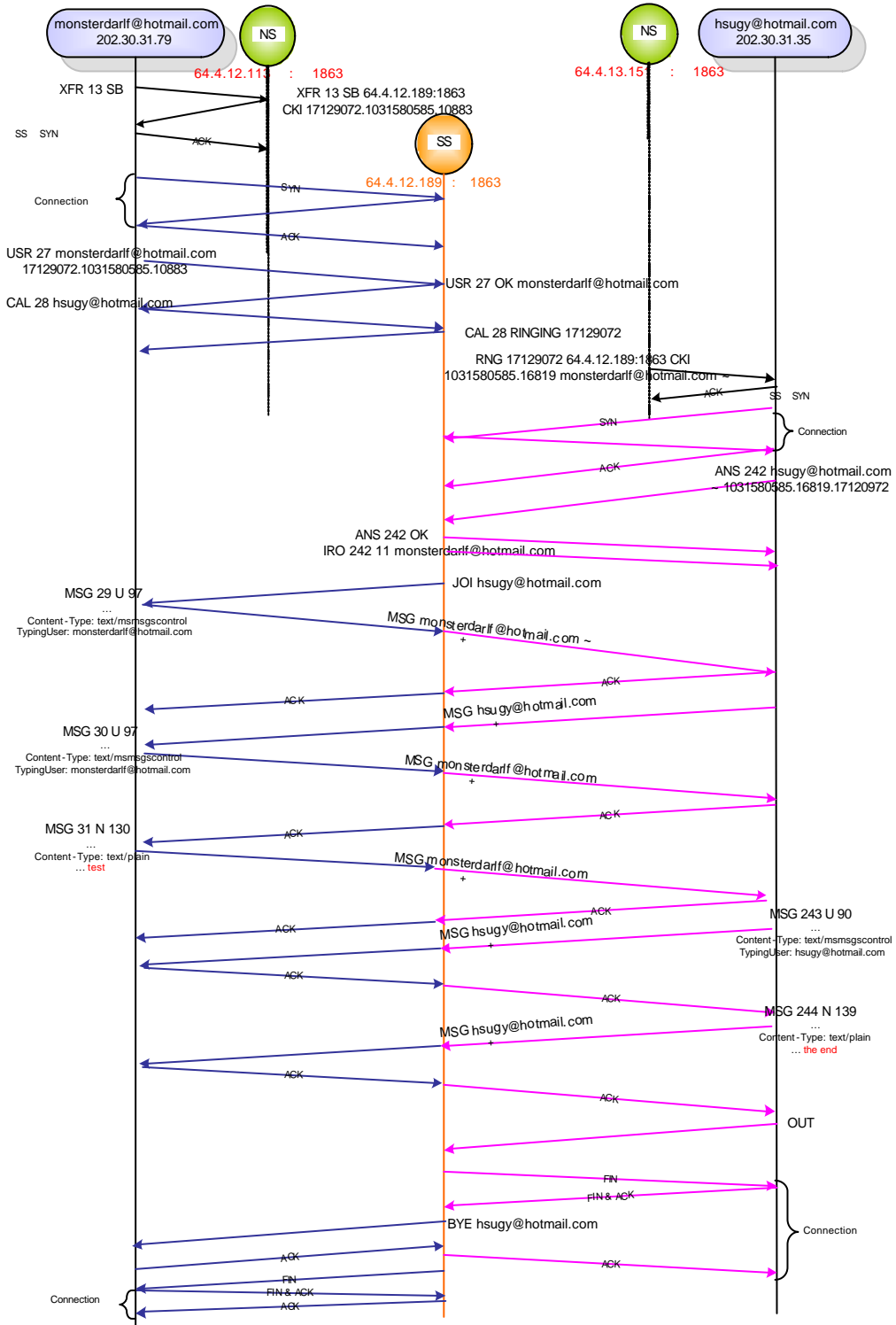
2.1 Flow



3 Messaging

3.1 Flow

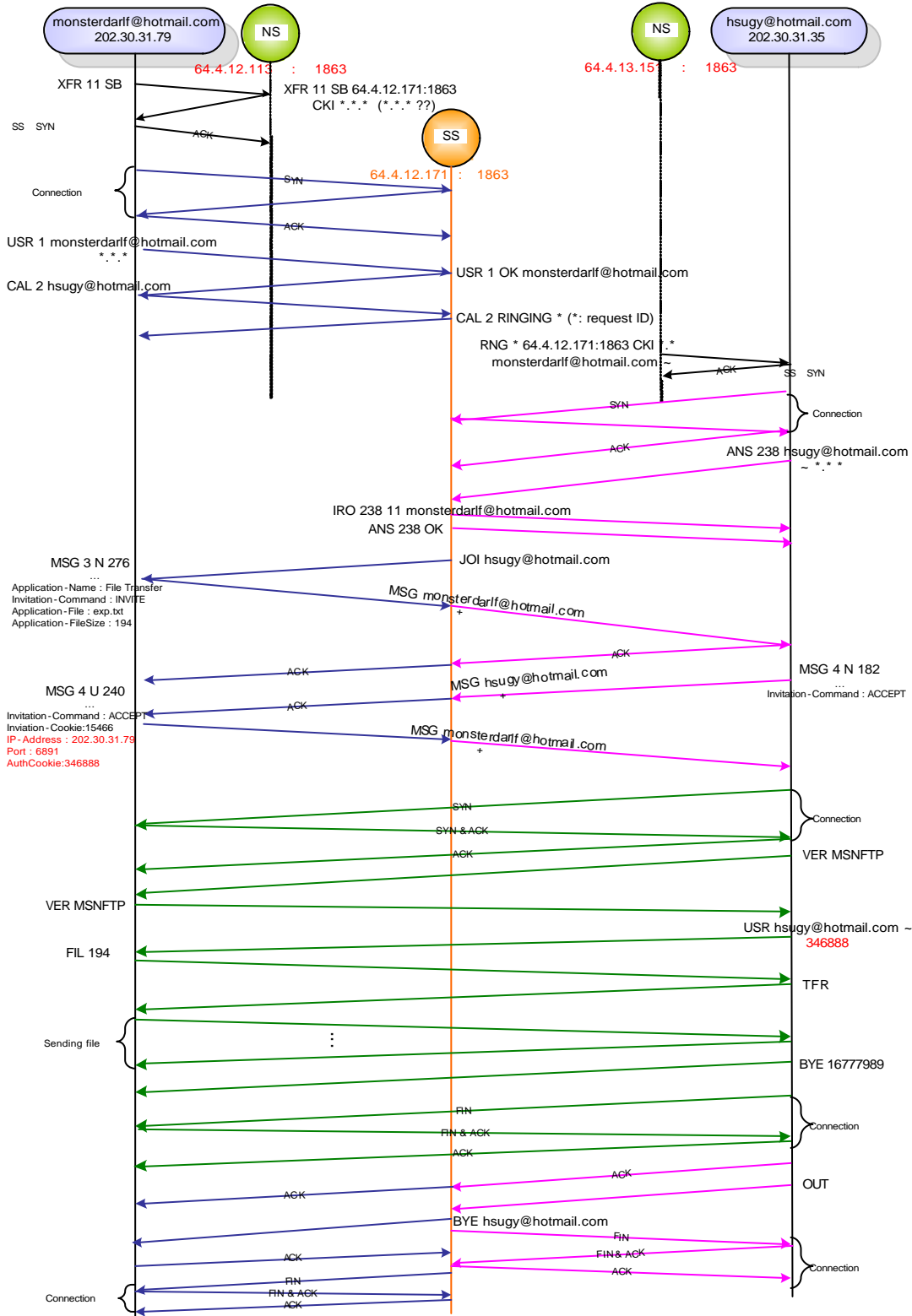
monsterdarlf@hotmail.com ↔ hsugy@hotmail.com



4 File Transfer

4.1 Flow

monsterdarf@hotmail.com ↔ hsugy@hotmail.com



Reference

- [1] MSN Instant Messenger Protocol
- [2] <http://www.hypothetic.org/docs/msn/>