

MFI – Network overview

19/10 2009 – MFI – Network overview

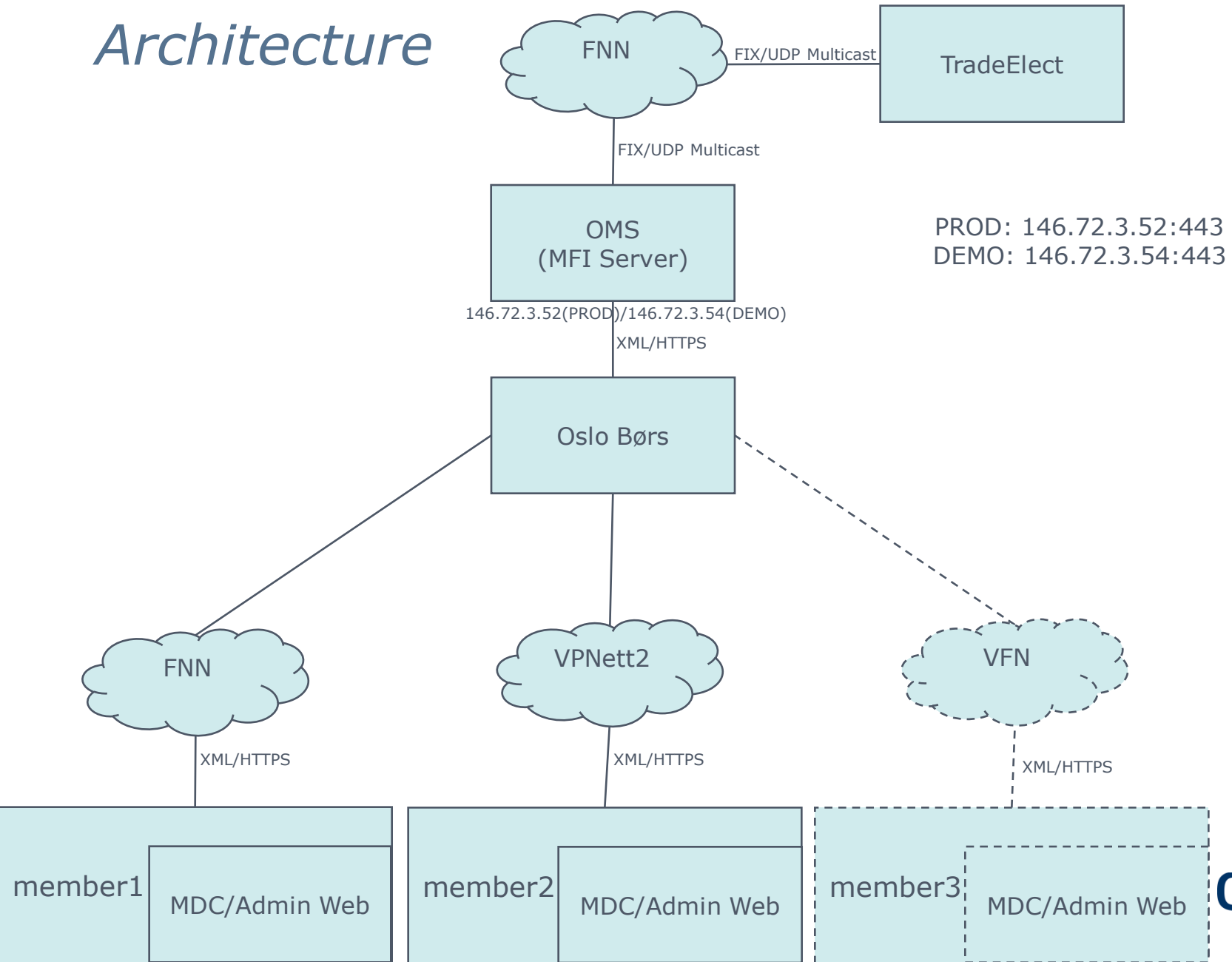
Background

- Matador for Fixed Income (MFI) is Oslo Børs front-office terminal for trading bonds
- Oslo Market Solutions (OMS) is the solution- and hosting-provider for MFI
- MFI will enter production with the introduction of TradElect in February 2010

Exec Summary

- MFI servers are centrally located at Oslo Børs
- Members need to install the .NET application Matador Desktop Client (MDC). No additional servers are required
- Administration of users/trading groups is done through a web browser
- Communication between client/server is done through the networks FNN, VPNettII and VFN over HTTPS.
- Network routes must be set up at members site and corresponding networks.
- UDP Multicast is **not** required for members.

Architecture



Network details

- MFI servers will only be accessed on IP-adresses provided below (both test/demo and production)
- OMS needs a list of IP-ranges/IP-adresses that the members will be connecting from.
- These IP-ranges/IP-adresses will be used in both firewalls and in the MFI servers for access control
- IP-adresses:
 - Production: 146.72.3.52
 - Demo/Test: 146.72.3.54
 - Port / encryption: 443 / SSL
- 50 kbps network bandwidth per terminal is required for fixed income, 100 kbps if equities is required in addition

Network details (cont.)

- Members must set up routing to 146.72.3.48/28 via FNN/VPNNettII gateway.
- Members must allow outgoing TCP to Demo/Prod IP's on port 443 and RELATED/ESTABLISHED for incoming.