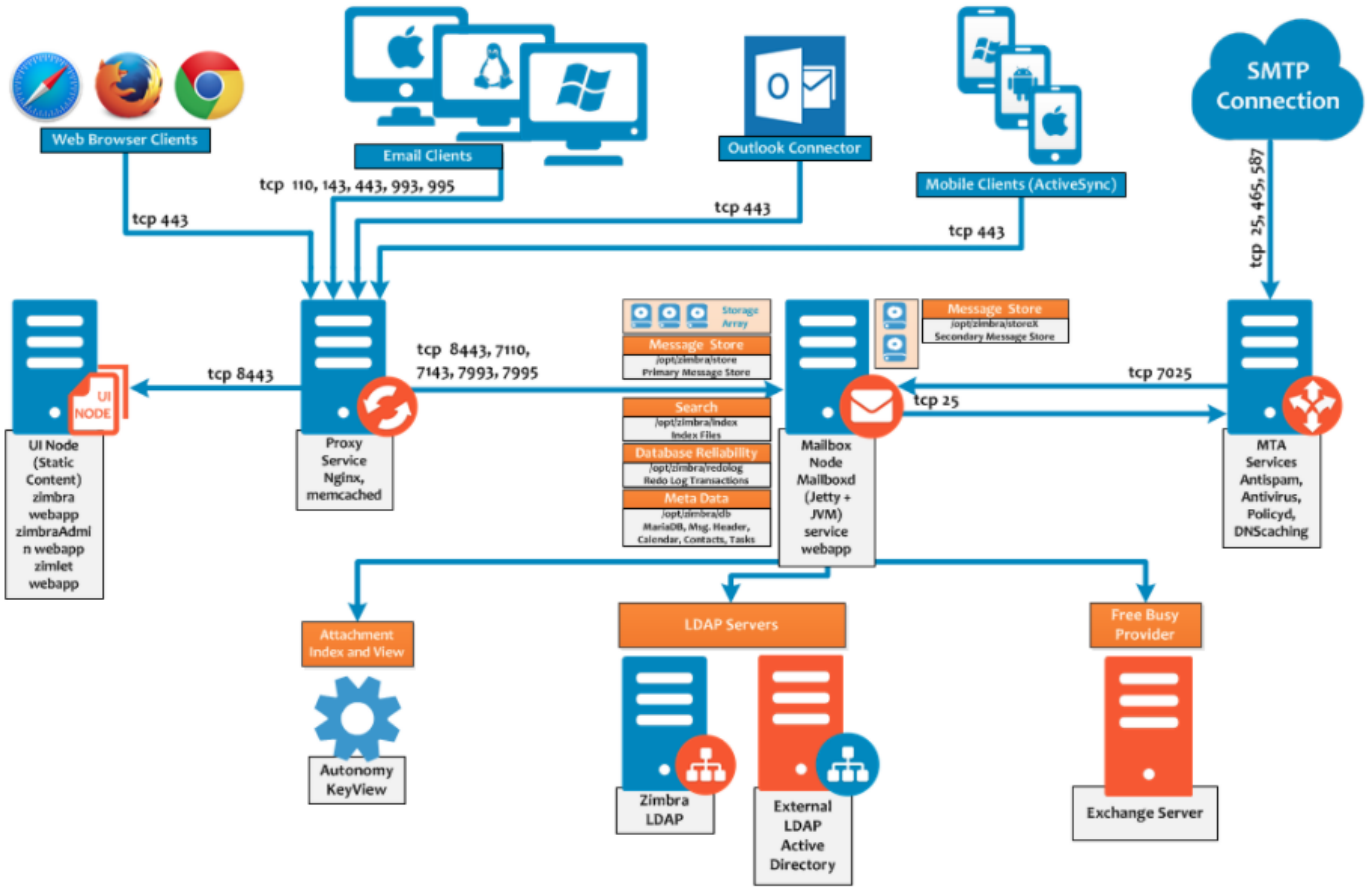
Mail Zimbra Architecture

Flow Architecture



Servers Support

Here are the servers needed for EMAIL to work

1. Web Mail

- Provides browser-based email access for users who don’t use dedicated email clients.

2. IMAP/POP Server

- Handles incoming email and allows users to retrieve messages. IMAP supports multi-device sync; POP3 is simpler and downloads emails locally.

3. MTA (Mail Transfer Agent) server

- Software like Postfix, Exim, or Sendmail that routes outbound and inbound emails between servers.

4. MDA (Mail Transfer Agent) server

- Delivers email into users’ mailboxes, often paired with MTA systems.

5. SMTP Relay server

- An SMTP relay server securely forwards outgoing email messages from a sender's server to the recipient's email server across the internet.

6. Antivirus Server

- An antivirus server scans, detects, and removes malware from network-connected devices and email traffic to protect enterprise systems from cyber threats.

7. Authentication Server (LDAP / Active Directory)

- Manages user identity and permissions, often connected to internal directory services.

8. Email Archive/Retention Server

- Stores emails securely for legal, compliance, and business continuity reasons.

9. Spam Filtering / Anti-Spam Gateway

- Detects and blocks spam messages using blacklists, heuristics, or AI-based algorithms.

10. Encryption or Public Key Infrastructure (PKI) Server

- Manages digital certificates and email encryption for secure end-to-end communication.

11. Monitoring & Logging Server

- Tracks system health, email traffic, errors, and suspicious behavior for audits and diagnostics.

12. Backup & Disaster Recovery Server

- Performs regular backups and ensures recoverability of email data in case of failure or attack.

Revision #3
Created 14 July 2025 09:53:21 by Arief Priyadi

Updated 14 July 2025 10:19:43 by Arief Priyadi