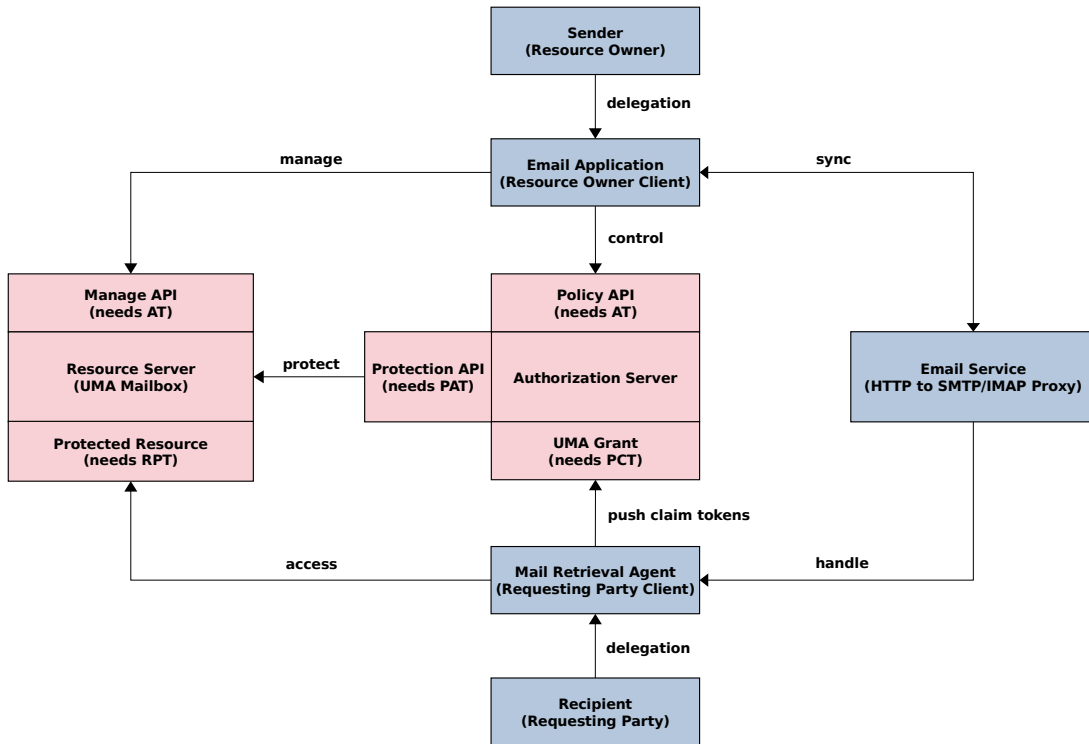


AEMS in less than 300 words

Main Concept



AEMS – schematic flow

Key points

1. The contents of email messages and attachments (email resources) are stored separately on the UMA Resource Server (aka UMA Mailbox) protected by the UMA protocol.
2. The email resources owned by the sender stored in the sender's UMA Mailbox are temporarily shared with the recipient. Following a successful sharing process, links to the email resources are sent to the recipient through the so-called authorization email.
3. The recipient's Mail Retrieval Agent that acts on behalf of the recipient receives the authorization email with the links to the email resources, authenticates against the sender's UMA Authorization Server, gets authorized access and downloads the email resources from the sender's UMA Mailbox. The downloaded data are stored in the recipient's UMA Mailbox.

Advantages over Current Mail System

1. Security and Privacy: Each email consists of resources stored separately in the UMA Mailbox protected by the UMA protocol. The mailbox of the current email system becomes redundant and should only be used for incoming authorization emails. This architecture guarantees more control over potential security and privacy issues such as leakage of intellectual property or loss of confidential content and makes the system compatible with enterprise security policies.
2. Usability: AEMS provides flexibility for storing emails according to various criteria (e.g. Business, Personal, Healthcare) in separate distributed UMA Mailboxes. The ability of the UMA protocol to use multiple autonomous resource servers allows a user with a single email address to work simultaneously with multiple UMA Mailboxes.
3. Platform: With the capability to store, locate, send and receive any content including documents, images, audios and videos the proposed solution can be considered a promising platform for Content Services.