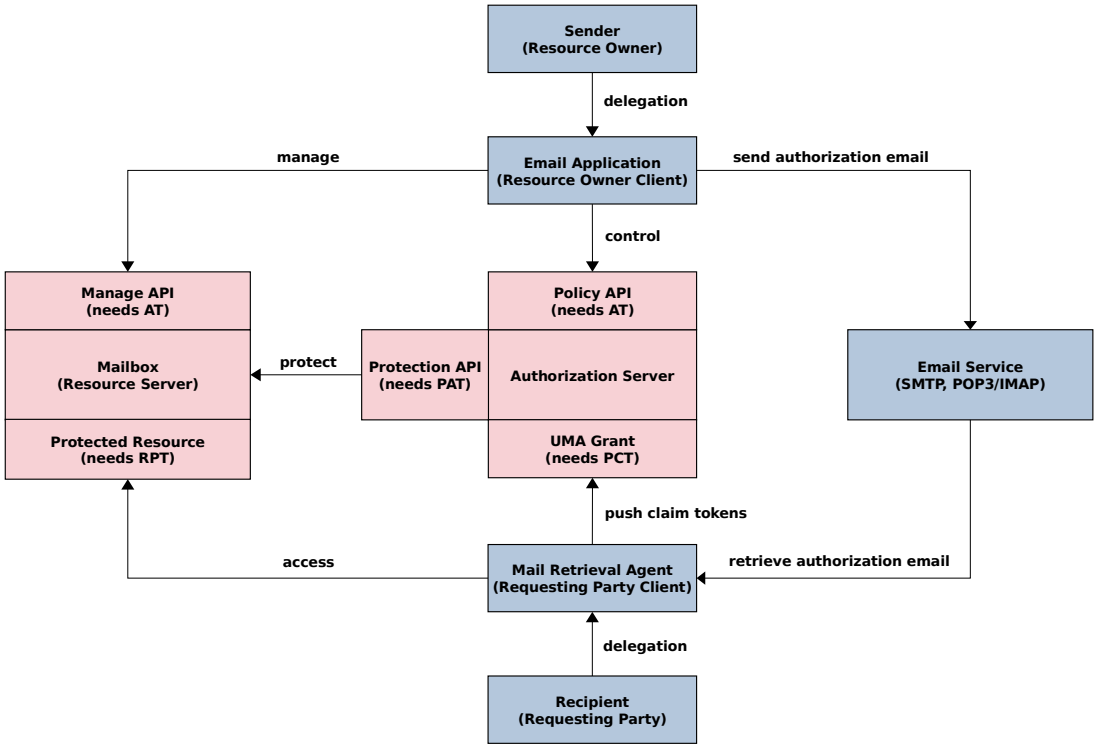
# Authorization-Enhanced Mail System (AEMS) in less than 300 words

## Main Concept




AEMS – schematic flow during the data transit from sender to recipient

## Key points

1. An email consists of resources (message and attachments) stored in an UMA Mailbox – an email-specific UMA Resource Server.
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 authorization email – a type of system email.
3. The recipient's Mail Retrieval Agent that acts on behalf of the recipient retrieves 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: User correspondence takes place between UMA Mailboxes. The mailbox of the current email system becomes redundant and is only used for system (verification, 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: To separate official, business, personal and healthcare correspondence, AEMS provides the flexibility for storing emails according to various criteria with an appropriate AEMS provider. The ability of the UMA protocol to use multiple autonomous resource servers allows a user with a single email address to use simultaneously 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.